

FLUID HANDLING TOOLS
MADE IN ITALY

GENERAL CATALOGUE

01/2022



Ompi, for over twenty years as a reliable fluid-handling brand.

Fluid handling is a factor of primary importance which requires specific expertise and purpose-designed professional instruments.

For many years now, Ompi has specialized in making equipment for the extraction, distribution, mixing and metering of lubricating and non-lubricating fluids; from oil to grease, from diesel fuel to water, right up to compressed air.

Grouped according to the type of fluid to be handled and the expected use, **Ompi offers a broad range of solutions** with manual, pneumatic or electronic operation suitable for use in heavy industry, manufacturing, agriculture and D.I.Y.

The top quality of all our products is guaranteed thanks to each single component being manufactured 100% in-house, with painstaking attention to detail and using only the very best materials available on the market.

The result of this choice is highly efficient and accurate products providing regular and reliable operation over the years. With our Oil Counter Approved products, precision is also officially certified (MIDMI005 and OIML R117-1 certifications): Ompi has designed and produced the first electronic flow meter for the officially approved dispensing and metering of industrial lubricating oils, in compliance with major international metrological standards.

To adapt to new technologies, in recent years new systems for the management, monitoring and delivery of fluids have been designed and developed in step with the continuous evolutions of the sector.

OMPI incorporates its production and commercial headquarters with the newly formed hydraulic division OFC-VILLA.

The plants, occupying a surface area of **3000m²**, have been prepared to meet the new needs arising from the increased production levels, and efficiency has been improved in the various company departments. The focus has been on complying with the most recent **energy efficiency and environmental protection regulations**, while maintaining safety in every sector as a priority.



Real, proven quality.

The quality of Ompi products, further testified by the **ISO certification awarded by the DNV institute**, is the result of a journey made through ongoing product research, the addition of constant technological innovation, the gradual extension of the production range and regular technical and aesthetic upgrading.



MID-MI005 approved.

The **MID-MI005** standard governs continuous and dynamic measuring systems for liquids other than water, in particular lubricating oils. The OMPI range includes flow meter and management and dispensing kits that **conform to metrological standards and to the accuracy levels established by the Directive**, and therefore can be sold to the public.

The devices for the detection and elimination of air in the circuit are integrated with the pneumatic or electric dispensing systems, which comply with the specifications of the **OIMLR117-1** and meet the related technical and metrological requirements.





1998



2002



2003



2005



2007



2010



2013



2016



2018



2021

OIL

Page 10

PNEUMATIC PISTON OIL PUMPS	PAG. 12
PNEUMATIC OIL DISPENSING KITS	PAG. 18
PNEUMATIC PISTON OIL PUMPS	PAG. 19
WALL MOUNTED PNEUMATIC PISTON OIL PUMPS	PAG. 20
ACCESSORIES FOR PNEUMATIC OIL PUMPS "POWER BULL" SERIES	PAG. 22
ACCESSORIES FOR PNEUMATIC OIL PUMPS STANDARD SERIES	PAG. 23
PNEUMATIC AND ELECTRIC GEAR PUMPS	PAG. 24
ELECTRIC GEAR PUMPS	PAG. 25-27
ELECTRIC OIL DISPENSING KITS	PAG. 26
ELECTRIC GEAR PUMPS	PAG. 27
PNEUMATIC DIAPHRAGM PUMPS	PAG. 28
MANUAL PUMPS FOR OIL, DIESEL AND ANTIFREEZE	PAG. 29
MANUAL OIL DISPENSING UNITS	PAG. 30
PNEUMATIC OIL DISPENSING UNITS	PAG. 31
OIL CONTROL GUNS	PAG. 32
ACCESSORIES FOR OIL CONTROL GUNS	PAG. 34
ELECTRONIC OIL FLOW METER WITH PRESET FUNCTION "OIL GATE 100" SERIES	PAG. 36
ELECTRONIC OIL FLOW METER "OIL BIT PLUS" SERIES	PAG. 37
ELECTRONIC OIL FLOW METER "OIL COUNTER PLUS" SERIES	PAG. 38
ELECTRONIC OIL FLOW METERS BLC SERIES	PAG. 39
WIRELESS DATA PROCESSING SERVER CONTROL UNIT	PAG. 40
ELECTRONIC OIL FLOW METERS WITH PRESET FUNCTION	PAG. 41
ELECTRONIC OIL FLOW METERS WITH WIRELESS DATA TRANSMISSION	PAG. 41
ELECTRONIC OIL FLOW METERS OIL METER SERIES	PAG. 42
ELECTRONIC OIL FLOW METERS	PAG. 43
ELECTRONIC OIL FLOW METERS	PAG. 44
MECHANICAL AND DIGITAL OIL FLOW METERS	PAG. 45
PULSE TRANSMITTER - SOLENOID VALVE ASSEMBLIES	PAG. 46
ELECTRONIC OIL FLOW METERS - CERTIFIED MID MI-005	PAG. 48
ELECTRIC DISPENSING KITS FOR OIL	PAG. 49
OIL DISPENSING KITS	PAG. 50
OIL DISPENSING KITS SUCTION GUNS / FUNNELS	PAG. 51
PNEUMATIC OIL DISPENSING KITS	PAG. 52
MOBILE OIL DISPENSING KITS	PAG. 54
STATIONARY OIL DISPENSING KITS	PAG. 58
SPILL CONTAINMENT PALLETS	PAG. 62
STORAGE UNITS	PAG. 64

ELECTRONIC FLUID MONITORING SYSTEMS

Page 66

LEVEL GAUGES FOR OIL	PAG. 70
----------------------------	---------

WASTE OIL

Page 71

MOBILE WASTE OIL DRAINERS	PAG. 71
WASTE OIL SUCTION SYSTEMS	PAG. 78
WASTE OIL DRAINERS	PAG. 79
WASTE OIL/ANTIFREEZE DRAINERS	PAG. 80
WASTE OIL TREATMENT ACCESSORIES	PAG. 81
WASTE OIL STORAGE TANKS	PAG. 81
PNEUMATIC BRAKE BLEEDERS	PAG. 82
BRAKE BLEEDING ADAPTERS	PAG. 82

GREASE

Page 83

PNEUMATIC PISTON GREASE PUMPS IFP SERIES	PAG. 84
PNEUMATIC PISTON GREASE PUMPS STANDARD SERIES	PAG. 85
PNEUMATIC PISTON GREASE PUMPS TWDE SERIES	PAG. 86
PNEUMATIC PISTON GREASE PUMPS STANDARD SERIES	PAG. 87
PNEUMATIC PISTON GREASE PUMPS TWDE SERIES	PAG. 88
SPECIAL PNEUMATIC PISTON GREASE PUMPS	PAG. 89
PNEUMATIC PISTON GREASE PUMPS INDUSTRIAL PUMP POWER BULL SERIES	PAG. 90
PNEUMATIC PISTON GREASE PUMPS INDUSTRIAL PUMP POWER BULL SERIES	PAG. 91
PNEUMATIC PISTON GREASE PUMPS INDUSTRIAL PUMP POWER BULL SERIES	PAG. 92
PNEUMATIC PISTON GREASE PUMPS MOTOMATIC SERIES	PAG. 93
ELECTRIC PISTON GREASE PUMPS	PAG. 94
KIT AND ACCESSORIES FOR ELECTRIC PISTON GREASE PUMPS	PAG. 95
PNEUMATIC GREASE SUPPLY KITS	PAG. 96
PNEUMATIC GREASE SUPPLY KITS - SPRAYER SYSTEM FOR GREASE	PAG. 100
ELECTRONIC DOSING SYSTEM	PAG. 102
MANUAL GREASE SUPPLY KITS	PAG. 103
GREASE REFILLING KITS	PAG. 106
GREASE GUNS AND CARTRIDGES	PAG. 107
GREASE GUNS	PAG. 108
ACCESSORIES FOR GREASE LUBRICATION	PAG. 109
ELECTRONIC GREASE FLOW METERS	PAG. 110
ACCESSORIES FOR GREASE PUMPS AND KITS STANDARD SERIES	PAG. 112
ACCESSORIES FOR GREASE PUMPS AND KITS POWER BULL SERIES AND ELECTRIC PUMPS SERIES	PAG. 113

DIESEL

Page 115

PNEUMATIC DIESEL PUMPS AND DIESEL TRANSFER KITS	PAG. 116
DIESEL FUEL DISPENSING UNIT WITH WIRELESS ELECTRONIC MANAGEMENT	PAG. 117
ELECTRIC DIESEL PUMPS 12/24 VDC	PAG. 118
ELECTRIC DIESEL PUMPS 230/400 VAC	PAG. 119
ELECTRIC DIESEL TRANSFER KITS	PAG. 120
DIESEL DISPENSING NOZZLES AND ACCESSORIES	PAG. 121
DIESEL FILTERS AND FOOT VALVES	PAG. 122
DIESEL FLOW METERS	PAG. 123

PETROL **Page 124**

PNEUMATIC AND ELECTRIC PETROL PUMPS.....	PAG. 124
JERRYCANS.....	PAG. 125

SISTEMS FOR AdBlue® **Page 126**

ELECTRIC TRANSFER PUMPS FOR ADBLUE®/DEF/AUS32	PAG. 127
STATIONARY, ELECTRIC DISPENSING KITS FOR ADBLUE®/DEF/AUS32	PAG. 128
STATIONARY, PNEUMATIC AND ELECTRIC DISPENSING KITS FOR ADBLUE®/DEF/AUS32	PAG. 129
STATIONARY PNEUMATIC DISPENSING KITS FOR ADBLUE®/DEF/AUS32	PAG. 130
FLOW METER FOR ADBLUE®/DEF/AUS32 MID APPROVED.....	PAG. 131
FLOW METERS FOR ADBLUE®/DEF/AUS32	PAG. 132
DISPENSING NOZZLES AND ACCESSORIES FOR ADBLUE®/DEF/AUS32	PAG. 133
PNEUMATIC AND ELECTRIC DISPENSING KITS FOR ADBLUE®/DEF/AUS32 MID-APPROVED.....	PAG. 134
PNEUMATIC AND ELECTRIC DISPENSING KITS FOR ADBLUE®/DEF/AUS32 MID-APPROVED.....	PAG. 136

HOSE REELS **Page 137**

AUTOMATIC REWIND, SPRING - DRIVEN HOSE REELS	PAG. 140
AUTOMATIC REWIND, SPRING - DRIVEN HOSE REELS	PAG. 153
MANUAL HOSE REELS, IN PAINTED STEEL.....	PAG. 154
MANUAL HOSE REELS, IN STAINLESS STEEL	PAG. 155
HOSE REELS FOR COMPRESSED AIR EASY ROLLER SERIES.....	PAG. 156
SPRING DRIVEN HOSE-REELSMECHANICAL SERIES.....	PAG. 157
MOTOR OPERATED HOSE REELS	PAG. 158
HOSE REELS FOR WELDING	PAG. 160
HYDRAULIC BRAKES	PAG. 161
HOSE REEL ACCESSORIES	PAG. 162
FITTINGS AND COUPLERS.....	PAG. 163

HOSES **Page 164**

WASHING **Page 166**

PRESSURE SPRAYERS IN PAINTED STEEL	PAG. 166
PRESSURE SPRAYERS IN STAINLESS STEEL.....	PAG. 167
PRESSURE SPRAYERS/FOAMERS.....	PAG. 169
WASHING AND SPRAYING ACCESSORIES	PAG. 170
PARTS CLEANERS	PAG. 172
PARTS CLEANERS	PAG. 173

STAINLESS STEEL **Page 174**

PNEUMATIC STAINLESS STEEL PUMPS.....	PAG. 174
PNEUMATIC STAINLESS STEEL PUMPS INDUSTRIAL SERIES.....	PAG. 175
ACCESSORIES FOR PNEUMATIC STAINLESS STEEL PUMPS.....	PAG. 176
MANUAL STAINLESS STEEL PUMPS	PAG. 177

COMPRESSED AIR **Page 178**

TYRE INFLATORS	PAG. 178
COMPRESSED AIR ACCESSORIES	PAG. 179
COMPRESSED AIR TREATMENT COMPONENTS.....	PAG. 180
COMPRESSORS.....	PAG. 181
ACCESSORIES FOR COMPRESSED AIR.....	PAG. 183

FLUID MIXING **Page 184**

FLUID MIXING EQUIPMENT DOSAMIX 5000	PAG. 184
FLUID MIXING EQUIPMENT DOSAMIX 5000	PAG. 185

END-OF-LIFE VEHICLE DRAINAGE **Page 186**

END-OF-LIFE VEHICLE DRAINAGE EQUIPMENT.....	PAG. 186
---	----------

TROLLEYS **Page 187**

ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE
011 KIT SONDE	81	14113	171	15720	131	200XX	164	2264M-NPT	163	31242-130	13
013018	35	14114	32	15840	36	210XX	164	230XX	164	31242-A	13
065420	23-113	14116	32	15841	36	21255EVO	175	288XX	165	31242A-130	13
065420-33	113	14150	33	15842	36	22044	174	2897XX	165	31242PM	13
065420-50	23	14151	33	15843	36	22045	174	290XX	165	31242BR	23
065420-55	23	14152	33	15844	36	22045-VITON	174	30000	93	31243	14
065421	23-113	14153	33	15845	36	22050	174	30001	93	31243-130	14
065492	113	14160	34	15850	45	22050-VITON	174	30002	93	31243PM	18
065556	122	14208	35	15863	45	22060	174	30003	93	31244	12
10150	181	14209	35	15865	45	22070	174	30004	93	31244-L	12
10200	181	14210	35	15867	45	22070-TEFLON	174	30005	93	31246	174
10250	181	14211	35	15870	45	22070-VITON	174	30006	93	31247	12
10300	181	14216	35	15890	37	22071	176	30007	93	31247-L	12
10350	182	14218	35	15891	37	22071-07	176	30008	93	31247PL	174
10400	182	14219	35	15892	37	22071FE	23	3105.0004	177	31248	12
10450	182	14220	35	15893	37	22072	176	3105.0028	43	31249	13
10500	182	14222	35	15894	37	22072FE	23	310XX	164	31250	14
10520	183	14225	35	15896	37	22073FE	23	31190	175	31250TWDE	15
10525	183	14230	35	15897	29	22077	174	31191	175	31250KIT	53
10532	183	14234	34	15898	37	22077-VITON	174	31193	175	31251	14
10540	183	14238	34	15899	48	22079	176	31195	175	31251TWDE	16
10620	183	14240	35	15900-P	38	22080	177	31221	24	31254	17
10625	183	14250	176	15901-P	38	22083	176	31221IOT	24	31255	17
10632	183	14251	176	15902-P	38	22095	177	31221TEFLON	24	31255EVO	17
10640	183	14252	35	15903-P	38	22095UR	177	31231	13	31256EVO	17
10720	183	14253	35	15905-P	38	22100	133	31233	13	31256EVO-PM	17
10725	183	14253-A	35	15910-P	38	22110	133	31233-130	13	31258	23
10732	183	14253-NPT	35	15950	39	2261	163	31233-A	13	31260KIT	53
10740	183	14254	34	15951	39	2261F	163	31233TWDE	15	31261	174
10820	183	14255	34	15952	39	2261F-NPT	163	31234	13	31262	17
10825	183	14256	34	15953	39	2261M	163	31234-A	13	31263	80
10832	183	14258	176	15954	39	2261M-NPT	163	31234TWDE	15	31264	17
10840	183	14259	34	15955	39	2262	163	31235	14	31265	174
12005	169	14260	176	16100	41	2262F	163	31235-130	14	31266	16
14100	32	14300	33	16110	41	2262F-NPT	163	31235-A	14	31267	13
14101	32	14300-A	33	16120	41	2262M	163	31235TWDE	15	31268	14
14102	32	14310	33	16200	42	2262M-NPT	163	31236	52	31275	51
14103	32	14310-A	33	16201	42	2263	163	31237	12	31280	28
14104	32	14315	33	16202	42	2263F	163	31238	12	31285	28
14105	32	14315-A	33	16205	42	2263F-NPT	163	31239	14	31290	28
14106	32	14350	34	16300	41	2263M	163	31239TWDE	15	31295	28
14107	32	14350-A	34	16301	41	2263M-NPT	163	31240	14	31310	70
14108	32	14500	43	16302	41	2264	163	31240-130	14	31320KIT	70
14109	32	14550	43	16305	41	2264F	163	31240TWDE	16	31365	54
14110	32	15600	131	2001.0010	134-135	2264F-NPT	163	31240KIT	53	31370	54
14112	32	15710	132	2001.0060	135	2264M	163	31242	13	31480	55

ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE
31481	55	35236	52	37002	160	38155	154	40434	180	49730	62
31856	52	35300	141	37003	160	38160	154	40435	180	49740	63
32100	20	35300B	141	37004	160	38165	154	40436	180	49750	63
32105	21	35400	141	37005	160	38180	154	40437	180	49750CA	57
32110	19	35600	141	37114	142	38190	154	40450	50	49750-SE	63
32115	20	35810	156	37115	140	38200	140	40451	64	49760	61
32121	21	35812	156	37115B	142	38210	140	40452	64	49770	61
32125	21	35815	156	37118	142	38300	140	40453	64	49780	65
32126	20	35820	156	37119	142	38310	141	40454	64	49780-SP	65
32135	20	35830	156	37120	140	38320	141	40602	179	49790	65
32140	19	35840	156	37120B	142	38330	141	40603	179	49791	65
32150	20	35856	52	37125	140	38340	141	40604	179	49795	64
32155	19	36100	151	37125B	142	38350	150	40605	179	49796	64
32160	19	36150	150	37130	142	38360	151	40610	170	49797	64
32200	22	36200	151	37140	142	38361	151	40611	170	49800	64
32200-50	114	36200B	146	37141	150	38400	150	40612	179	49801	81
32210	22	36212	149	37142	143	38500	152	40614	179	49802	81
32214	114	36213	149	37143	147	38600	152	40630	178	49803	81
32215	114	36215	146	37145	150	38700	152	40636	179	49804	64
32216	22	36217	149	37146	151	38800	152	420XX	165	DOSAMIX 5000	184
32217	22-114	36218	149	37147	144	39140	155	4222	163	5000	184
32218	22	36270	153	37148	148	39400	160	4222F	163	5004	184
32219	22	36271	153	37150	146	39410	160	4222F-NPT	163	5005	184
32219-130	22	36272	153	37151	149	39420	160	4222M	163	5010	184
32220	22	36300	150	37153	142	39500	146	4222M-NPT	163	50105	169
32220-70	114	36400	151	37155	146	39502	140	4223	163	50106	171
32230	22	36425	147	37156	148	39505	147	4223N	163	50107	170
32240	28	36445	149	37157	142	39507	141	4229	163	50110	170
32250	28	36470	143	37158	143	39508	141	4229N	163	50111	170
32260	28	36471	143	37159	143	39535	140	4231	163	50120	170
33200	18	36472	143	37160	146	39600	140	4231N	163	50121	170
33250	26	36473	147	37161	147	39601	140	4232	163	50122	170
33250KIT	26	36475	147	37162	147	39602	146	4232N	163	50123	169
33300	18	36480	144	37163	148	39604	154	430XX	179	50124	167
33300KIT	18	36481	145	37400	159	39605	147	440XX	164	50125	166
33301	26	36482	145	37490	157	39608	151	450XX	164	50126	167
33301KIT	26	36483	148	37494	159	400XX	164	49600	58	50127	168
33400	135	36484	148	37495	159	40300	180	49650	23	50129	166
33600	135	36485	148	37496	159	40302	180	49700	100	50130	171
33750	18	36490	157	37497	159	40303	180	49710	62	50132	170
33750KIT	59	36590	158	38100	155	40305	180	49715	62	50133	170
33800	26	36591	158	38110	155	40306	180	49716	62	50134	170
33810	26	36592	158	38115	155	40360	180	49717	62	50135	171
33820	26	36593	158	38120	155	40400	180	49718	60	50136	170
33900	102	36800	146	38130	155	40420	180	49720	60	50138	171
33900 KIT	102	37001	160	38150	154	40430	180	49721	50	50152	167

ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE
50152	167	51105	82	70497-24	118	71090	46	71740	44	80630	113
50155	168	51111	116	70499	122	71090-RF	46	71745	44	80634	113
50156	167	51112	116	70500	122	71095	46	71900	119	80684	113
50157	168	51113	124	70501	122	71100	46	71901	119	80690	114
50200	31	51114	124	70505-10	125	71100-RF	46	71902	119	80690-50	114
50210	31	51115	124	70505-20	125	71300	133	71980	117	80722	187
50225	31	51116	116	70506-F	125	71301	133	71980-S	68	80723	187
50226	31	51117-12	118	70506-T	125	71310	132	72004	65	80726	187
50315	178	51117-14	118	70506-5	125	71315	132	72005	65	80785	187
50320	178	51119	124	70506-10	125	71400	121	72101	22	80791	99
50400	30	51240	51	70506-20	125	71400-F	121	73000	126	80792	187
50450	30	51300	51	70507-5	125	71410	121	73001	126	80793	57
50458	30	51340	51	70507-10	125	71450	121	73060	126	80794	56
50460	55	51360	108	70507-20	125	71451	121	73100	126	80797	57a
50500	185	51361	108	70600	136	71452	171	73110	126	80798	57a
50510	185	51370	51	70624	24	7145201	171	73500	126	80799	57a
50601	50	51370-P	51	70648	24	71453	121	73501	126	80800-400	107
50605	59	51380-P	51	70650	136	71454	121	74000-60	49	80800-600	107
50606	50	52300	172	70651	136	71455	121	74000-200	49	80850	101
50607	50	52400	172	70700	24	71458	121	74560	176	80850-30	101
50800	29	52400-100	172	70710	24	71459	23	74561	176	80850-60	101
50806	29	52450	173	70870	25	71461	121	74562	133	80850-200	101
50820	29	52460	172	70882	27	71476	120	75070	68	80860	101
50821	106	52470	173	70884	27	71478	119	75200	68	80900	107
50821-CL	106	52480	173	70885	27	71479	120	75300	69	80900-400	107
50822	106	52500	172	70886	27	71482	120	75350	69	80900-C	107
50822-CL	106	610XX	165	70887	27	71487-12	118	75460	68	80950	108
50823	106	620XX	165	70894	25	71487-24	118	75880	68	810XX	164
50823-CL	106	6882	171	70895	25	71490	121	7600L	68	81710	91
50840	29	6883	171	70896	25	71501	122	76000KIT	68	81715	91
50846	30	6884	171	70897	25	71504	122	76500	40	81720	91
50860	29	6885	171	70898	25	71521	122	80250	103	81725	90
50860-SP	29	70020	129	70899	127	71525	122	80250-335	103	81730	90
50870	29	70050	130	70950	95	71551	122	80250-360	103	81735	92
50880	29	70070	128	70980	27	71552	122	80250LQ	103	81736	92
50924	56	70100	128	71000	130	716XX	165	80400	108	81737	92
50928	56	70120	129	71000-P	130	71704	127	80512	113	81738	92
50974	51	70140	128	710XX	165	71706	127	80520	113	81739	92
50975	51	70200	135	71061	47	71707	127	80530	113	81740	91
51100	82	70250	134	71063	47	71720	123	80560	113	81745	92
5110004	82	70300	135	71070	47	71721	123	80580	113	81746	92
5110008	82	70400	134	71075	47	71723	123	80590	114	81747	92
5110025	82	70450	134	71080	46	71730	44	80590-50	114	81748	92
51101	82	70495-12	121	71080-RF	46	71730-G	123	80600	108	81749	92
51102	82	70495-24	121	71085	47	71735	44	80612	113	81755	92
51103	82	70497	118	71085-RF	47	71735-G	123	80628	113	81765	92

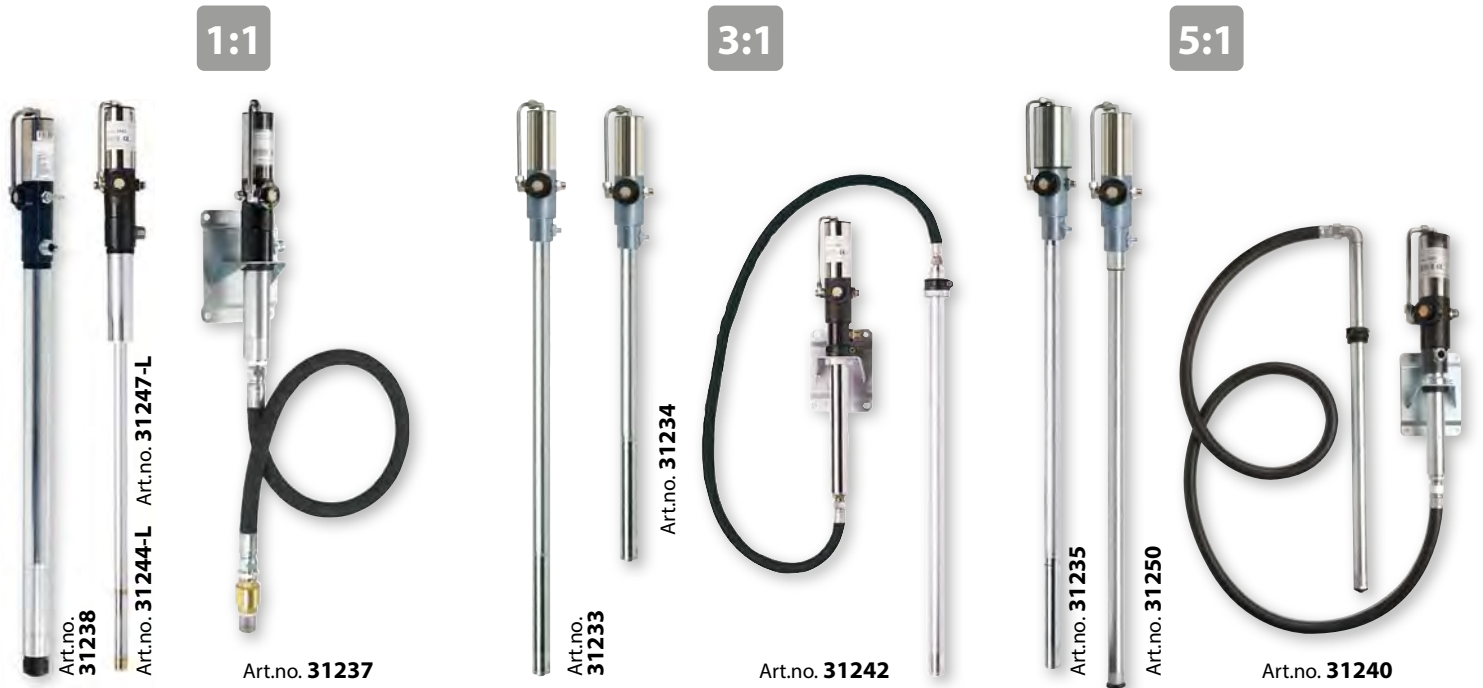
ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE
81815	96	83450	94	88452	110	90292	81	9920	163	9995	162
81817	96	83450-20	94	88453	110	90293	81	9920N	163	9999	163
81818	96	83450-60	94	88454	110	90294	81	9924	163	9999N	163
81818-P	85	83600	94	88455	110	90295	81	9924N	163	99 HB-01	161
81818TWDE	86	83600-20	94	88456	109	90296	81	9925	163	99 HB-02	161
81819	87	83600-60	94	88459	110	92000	186	9927	163	99 HB-03	161
81819TWDE	88	83650	94	88459M	110	92050	186	9927N	163	99 HB-04	161
81820	85	83650-20	94	88455+88459	110	92100	186	9928A	163	99 HB-05	161
81820TWDE	86	83650-60	94	88460	110	92200	186	9928N	163	99 HB-06	161
81821	87	83800	95	88461	110	92250	186	9939A	163	99 HB-07	161
81821TWDE	88	83955	94	88462	110	98208	58	9939N	163	99 HB-08	161
81822	84	84000	104	88462M	110	98210	58	9951	162	99 HB-09	161
81840	97	84008	104	88500	105	98211	59	9951-NPT	162	99 HB-10	161
81840-E	97	84050	104	88510	105	98212	58	9952	162	99 HB-08	163
81860	85	88200	109	88700	109	98250	58	9952-NPT	162	99 HB-09	163
81860TWDE	86	88201	109	90001	78	9901	163	9954	162	99 HB-10	163
81861	87	88300	111	90006	78	9901N	163	9956	162		
81861TWDE	88	88310	109	90018	73	9902	163	9957	162		
81862	84	88350	111	90020	72	9902N	163	9960K	162		
81880	85	88351	112	90022	72	9903	163	9961	162		
81880TWDE	86	88352	112	90030	72	9903N	163	9962	162		
81881	87	88360	111	90050	75	9904N	163	9962N	162		
81881TWDE	88	88370	112	90053	75	9905	163	9962-ST	162		
81883	84	88375	112	90079	76	9905N	163	9962-600TF	162		
81886	84	88400	105	90080	74	9906	163	9964	162		
81886-20	84	88410	109	90081	76	9906N	163	9964-400	162		
81886-60	84	88415	109	90083	71	9907	163	9964-NPT	162		
81887	84	88416	109	90088	71	9907N	163	9966T.F.	162		
81887-20	84	88420	109	90089	77	9908	163	9967	162		
81887-60	84	88434	110	90090	77	9908N	163	9968	162		
81888	89	88434-1000	110	90095	74	9909	163	9970	162		
81889	89	88435	110	90096	73	9909N	163	9970F	162		
81900	100	88438	110	90100	79	9910	163	9970-NPT	162		
81905	100	88439	110	90110	79	9910N	163	9974	162		
81920	98	88440	110	90110-110	79	9911	163	9977	162		
81921	97	88441	110	90120	79	9911N	163	9978	162		
81940	99	88442	109	90120-110	79	9912	163	9979	162		
81960	98	88443	110	90122	80	9912N	163	9981	162		
820XX	164	88444	110	90124	80	9915	163	9981F	162		
83001	95	88445	110	90127	80	9915N	163	9981N	162		
83300	94	88446	110	90205	81	9916A	163	9981NPT	162		
83300-20	94	88447	110	90206	81	9916N	163	9981-STM	162		
83300-60	94	88448	110	90207	81	9917	163	9984	162		
83400	94	88449	110	90207-20	81	9917N	163	9987	162		
83400-20	94	88450	110	90208	81	9919	163	9988	162		
83400-60	94	88451	110	90226	81	9919N	163	9989	162		

OMPI produces a wide range of pneumatic oil pumps that offers an appropriate solution for any kind of fluid viscosity, required delivery, pumping distance, necessary outlet pressure, ambient temperature as well as for simultaneous fluid supplies and any type of storage container.

In the following charts the essential data for selecting the adequate pump for the individual requirements are shown.

For more detailed information please see the following pages.

Oil



Art. no.	Delivery	
31238	48 l/min	●
31244	35 l/min	● ●
31244-L	35 l/min	● ●
31237	35 l/min	● ●
31248	35 l/min	● ●
31247-L	35 l/min	●
31247	35 l/min	● ●

Art. no.	Delivery	
31233	23 l/min	● ●
31234	23 l/min	● ●
31231	16 l/min	● ●
31249	16 l/min	●
31242	16 l/min	● ●
31242-A	16 l/min	●
31242PM	16 l/min	● ●
31233TWDE	28 l/min	● ●
31234TWDE	28 l/min	● ●

Art. no.	Delivery	
31235	15 l/min	● ● ●
31239	15 l/min	● ● ●
31251	13 l/min	● ● ●
31250	13 l/min	● ● ●
31240	13 l/min	● ● ●
31243	18 l/min	● ● ●
31243PM	18 l/min	● ● ●
31235TWDE	22 l/min	● ● ●
31239TWDE	22 l/min	● ● ●
31250TWDE	17 l/min	● ● ●

These pumps are recommended for the use

- at pumping distances up to 15 m,
- with low viscosity fluids.

These pumps are recommended for the use

- at pumping distances up to 100 m,
- with low and medium viscosity fluids.

These pumps are recommended for the use

- at pumping distances up to 200 m,
- with low and medium viscosity fluids,
- with high viscosity fluids at shorter pumping distances.

Legend

Oil SAE 0/40	●	Oil SAE 90	●	Oil SAE 240	●	Waste oil	●	Antifreeze	●
--------------	---	------------	---	-------------	---	-----------	---	------------	---

The **OMPI** oil pump range is completed by the industrial pump series "**Power Bull**" with high delivery pumps for the supply of fluid lubricants in demanding conditions. These pumps are particularly recommended for the distribution of medium or high viscosity oils in applications or pipeworks where a simultaneous supply in different distribution points at high pressure and high delivery is required. The elevated quality of the used materials and the innovative constructional concept of the pneumatic motors of this line assure the following characteristics and advantages:

- Efficiency of a constant flow,
- Low noise level,
- Limited number of piston strokes,
- Low vibrations,
- Easy maintenance and interchangeability of components.

Series Tapir



Industrial pump series "Power Bull" Single acting models



Industrial pump series "Power Bull" Double acting models



Art. no.	Ratio	Delivery	
31255EVO	6:1	32 l/min	● ● ●
31264	2:1	48 l/min	● ●
31254	5:1	18 l/min	● ● ●
31255	5:1	40 l/min	● ● ●
31256EVO	6:1	32 l/min	● ● ●

- These pumps are recommended
- to achieve high deliveries in the use with low viscosity fluids (art.no. 31264),
 - for the use with low and medium viscosity fluids at pumping distances of more than 300 m,
 - for the use with high viscosity fluids at long pumping distances (art. nos. 31255EVO and 31256EVO)
 - for simultaneous fluid supplies.

Art. no.	Ratio	Delivery	
32100	10:1	27 l/min	● ● ●
32150	16:1	15 l/min	● ● ●
32115	4:1	50 l/min	● ●
32126	10:1	40 l/min	● ● ●
32135	1,5:1	122 l/min	●

- These pumps are recommended
- to achieve very high deliveries in the use with low viscosity fluids (art. no. 32135),
 - for the use with low and medium viscosity fluids at pumping distances of more than 300 m,
 - for the use with high viscosity fluids at long pumping distances (art. nos. 32100, 32150, 32115, 32126),
 - for simultaneous fluid supplies.

Art. no.	Ratio	Delivery	
32155	10:1	25 l/min	● ● ●
32160	16:1	15 l/min	● ● ●
32140	3,5:1	46 l/min	● ●
32110	6:1	38 l/min	● ● ●
32105	6:1	35 l/min	● ● ●
32121	3:1	67 l/min	● ●
32125	6:1	55 l/min	● ● ●

- These pumps are recommended
- to achieve high deliveries in the use with low viscosity fluids,
 - for the use with low and medium viscosity fluids at pumping distances of more than 300 m,
 - for the use with high viscosity fluids at long pumping distances,
 - for simultaneous fluid supplies.

Legend

Oil SAE 0/40	●	Oil SAE 90	●	Oil SAE 240	●	Waste oil	●	Antifreeze	●
--------------	---	------------	---	-------------	---	-----------	---	------------	---

Pneumatic pumps for the transfer of low viscosity oils and antifreeze at high delivery and short pumping distances.

**STANDARD
SERIES**

oil

1:1



Single acting - 35 l/min

Art.no. **31244**
Oil
Waste oil

Art.no. **31247**
Pure antifreeze



Single acting - 35 l/min

Art.no. **31244-L**
Oil

Art.no. **31247-L**
Pure antifreeze



Double acting - 48 l/min

Art.no. **31238**
Oil



Single acting - 35 l/min

Art.no. **31237** **Oil / Waste oil**

Art.no. **31248** **Antifreeze**

Art.no. 31244
Art.no. 31247

Art.no. 31242BR

Art.no. 31258
Ø 1" 1.5 m

Art.no. 71501

OPTIONAL
Art.no. 71459

Art. no.	31238	31244 31247	31237 31248	31244-L 31247-L
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			
Compression ratio	1.4:1	1.3:1		
Outlet pressure	10 bar (145 psi)	9 bar (130 psi)		
Delivery	48 l/min	35 l/min		
Connection compressed air	1/4" BSP (F)			
Connection lubricant outlet	3/4" BSP (M)			
Max air consumption with 8 bar pressure	210 l/min			
Length suction tube	950 mm	250 mm	-	950 mm
Diameter suction tube	55 mm			
Suitable for drums of	208 l	Any	Any	208 l
Weight	6.6 kg	4.4 kg	4.5 kg	5.2 kg
Dimensions (LxWxH) (mm)	95x95x1180	95x95x530	110x110x530	95x95x1180

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Pneumatic pumps for the supply of low and medium viscosity oils and antifreeze for the use in mobile kits or in pipeworks.

STANDARD SERIES

3:1



Single acting - 20.5 l/min

Art.no. **31267**
Oil



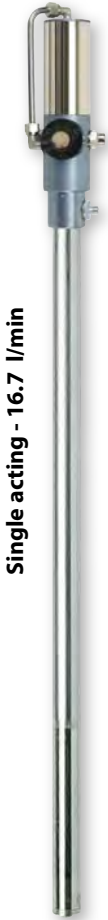
Double acting - 23.7 l/min

Art.no. **31234**
Oil
Art.no. **31234-A**
Pure antifreeze



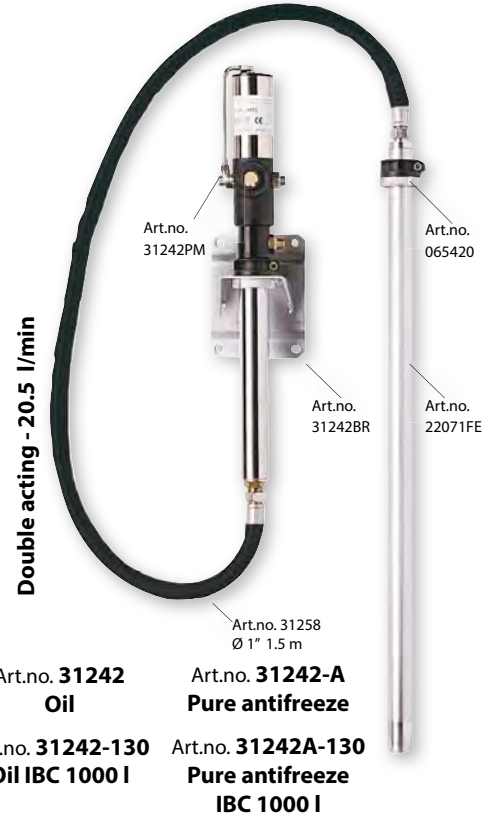
Double acting - 23.7 l/min

Art.no. **31233**
Oil
Art.no. **31233-130**
IBC 1000 l
Art.no. **31233-A**
Pure antifreeze



Single acting - 16.7 l/min

Art.no. **31231**
Oil
Art.no. **31249**
Pure antifreeze



Double acting - 20.5 l/min

Art.no. **31242**
Oil
Art.no. **31242-130**
Oil IBC 1000 l
Art.no. **31242PM**
Art.no. **31242BR**
Art.no. **31258**
Ø 1" 1.5 m
Art.no. **31242-A**
Pure antifreeze
Art.no. **31242A-130**
Pure antifreeze IBC 1000 l
Art.no. **065420**
Art.no. **22071FE**

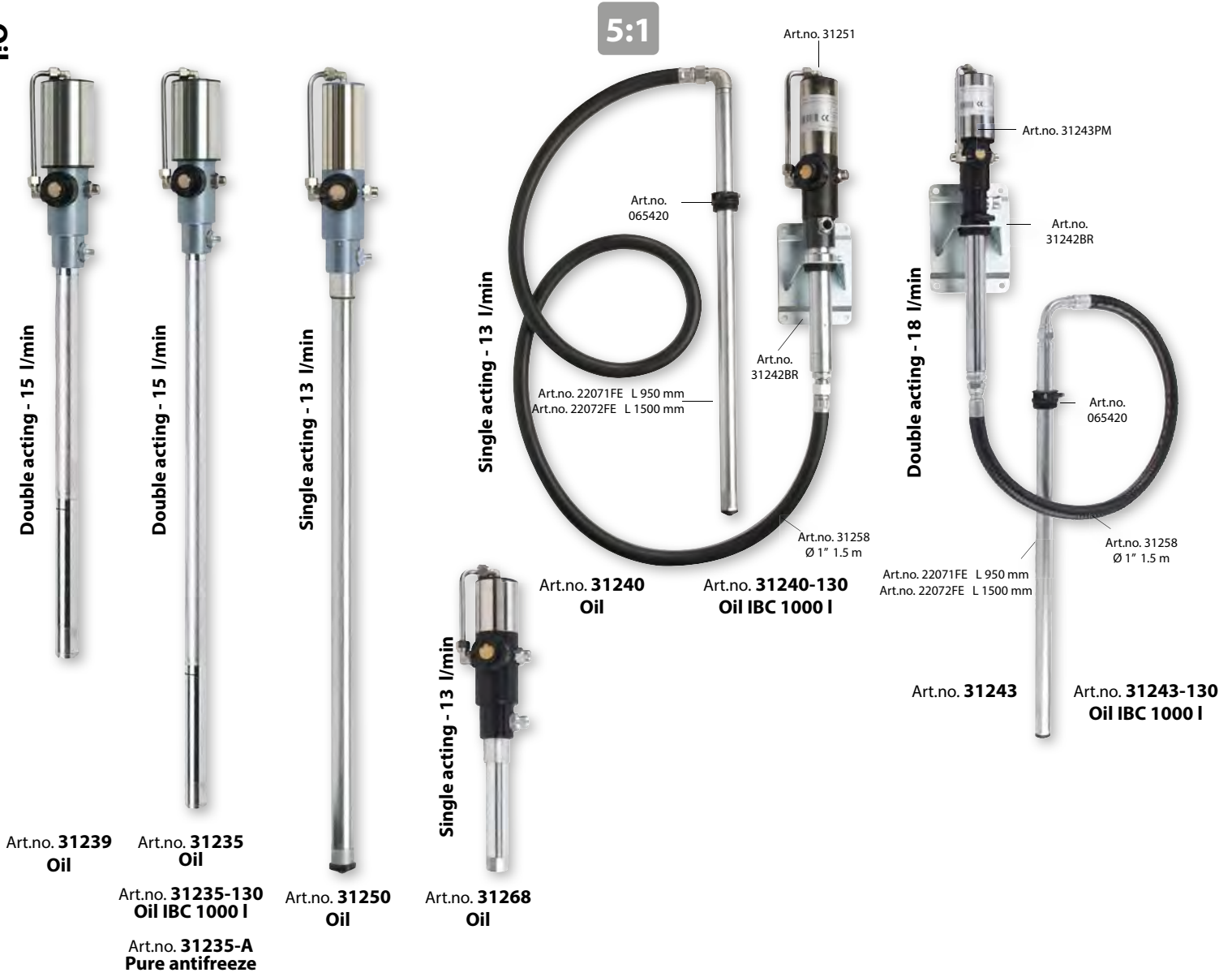
Art. no.	31234 31234-A	31233 31233-A	31233-130	31231 31249	31242 31242-A	31242-130 31242A-130	31242PM	31267
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)							
Compression ratio	3:1		2.7:1					
Outlet pressure	21 bar (305 psi)				18.5 bar (268 psi)			24 bar (350 psi)
Delivery	23 l/min			16 l/min				12 l/min
Connection compressed air	1/4" BSP (F)							
Connection lubricant outlet	1/2" BSP (M)							
Max air consumption with 8 bar pressure	210 l/min							
Length suction tube	750 mm	950 mm	1300 mm	950 mm		1300 mm	380 mm	176 mm
Diameter suction tube	40 mm							
Suitable for drums of	60 l	208 l	1000 l	208 l		1000 l	Any	Any
Weight	5 kg	6 kg	6.2 kg	9 kg	5.2 kg	5.4 kg	4.5 kg	3.7 kg
Dimensions (LxWxH) (mm)	95x95x1070	95x95x1270	95x95x1500	95x95x1270	95x95x530	95x95x1500	95x95x700	95x95x415

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Pneumatic pumps for the supply of medium and high viscosity oils for the use in mobile kits or in pipeworks.

STANDARD SERIES

Oil



Art. no.	31239	31235 31235-130 31235-A	31243 31243-130	31250	31240 31240-130	31243PM	31251	31268
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)							
Compression ratio	5:1							
Outlet pressure	40 bar (580 psi)							
Delivery	15 l/min		18 l/min		13 l/min	18 l/min		13 l/min
Connection compressed air	1/4" BSP (F)							
Connection lubricant outlet	1/2" BSP (M)							
Max air consumption with 8 bar pressure	210 l/min							
Length suction tube (mm)	750	950/1300	950/1300	950	950/1300	260		160
Diameter suction tube	40 mm					45 mm	40 mm	
Suitable for drums of	60 l	208/1000 l	208/1000 l	208 l	208/1000 l	-	-	-
Weight	5.2 kg	5.8 kg	9 kg	9 kg	5 kg	4.6 kg	4 kg	3.5 kg
Dimensions (LxWxH) (mm)	95x95x1070	95x95x1270			95x95x950	95x95x700	95x95x560	95x95x430

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C Compressed air pressure 8 bar - free flow outlet.

Pneumatic oil pumps with double compressed air outlet distributor, assuring higher delivery rates compared to the standard versions.

**TWDE
SERIES**

Oil

3:1



Double acting - 28 l/min

Art.no. **31234TWDE**



Double acting - 28 l/min

Art.no. **31233TWDE**

5:1



Double acting - 22 l/min

Art.no. **31239TWDE**



Double acting - 22 l/min

Art.no. **31235TWDE**



Single acting - 17 l/min

Art.no. **31250TWDE**

Art. no.	31233TWDE	31234TWDE	31235TWDE	31239TWDE	31250TWDE
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)				
Rapporto compressione	3:1	2.7:1	5:1		
Pressione di uscita	24 bar (350 psi)		40 bar (580 psi)		
Delivery	28 l/min		22 l/min		17 l/min
Connection compressed air	3/8" BSP (F)				
Connection lubricant outlet	1/2" BSP (M)				
Max air consumption with 8 bar pressure max	230 l/min		260 l/min		230 l/min
Length suction tube	950 mm	650 mm	950 mm	650 mm	950 mm
Diameter suction tube	40 mm				
Suitable for drums of	208 l	60 l	208 l	60 l	208 l
Weight	5.5 kg	5 kg	5.7 kg	5.3 kg	4 kg
Dimensions (LxWxH) (mm)	95x95x1270	95x95x1070	95x95x1270	95x95x1070	95x95x1270

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Pneumatic oil pumps with double compressed air outlet distributor, assuring higher delivery rates compared to the standard versions.

Pneumatic pumps for the supply of medium and high viscosity oils for the use in mobile kits or in pipeworks.

TWDE SERIES

5:1



Art.no. 31240TWDE

Art.no. 31251TWDE

Art. no.	31240 TWDE	31251 TWDE
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)	
Compression ratio	5:1	
Outlet pressure	40 bar (580 psi)	
Delivery	17 l/min	
Connection compressed air	1/4" BSP (F)	
Connection lubricant outlet	1/2" BSP (M)	
Max air consumption with 8 bar pressure	230 l/min	
Length suction tube	950 mm	
Diameter suction tube	32 mm	
Suitable for drums of	208 l	
Weight	5.9 kg	4 kg
Dimensions (LxWxH) (mm)	95x95x950	95x95x560

TAPIR SERIES

2,4:1



Art. no.	31266
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)
Compression ratio	2.4:1
Outlet pressure	20 bar (290 psi)
Delivery	35 l/min
Connection compressed air	1/4" BSP (F)
Connection lubricant outlet	3/4" BSP (M)
Max air consumption with 8 bar pressure	220 l/min
Length suction tube	470 mm
Diameter suction tube	40 mm
Suitable for drums of	-
Weight	8.2 kg
Dimensions (LxWxH) (mm)	95x95x880

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Pneumatic pumps for the supply of medium and high viscosity oils for the use in mobile kits or in pipeworks.

TAPIR SERIES

6:1

2:1

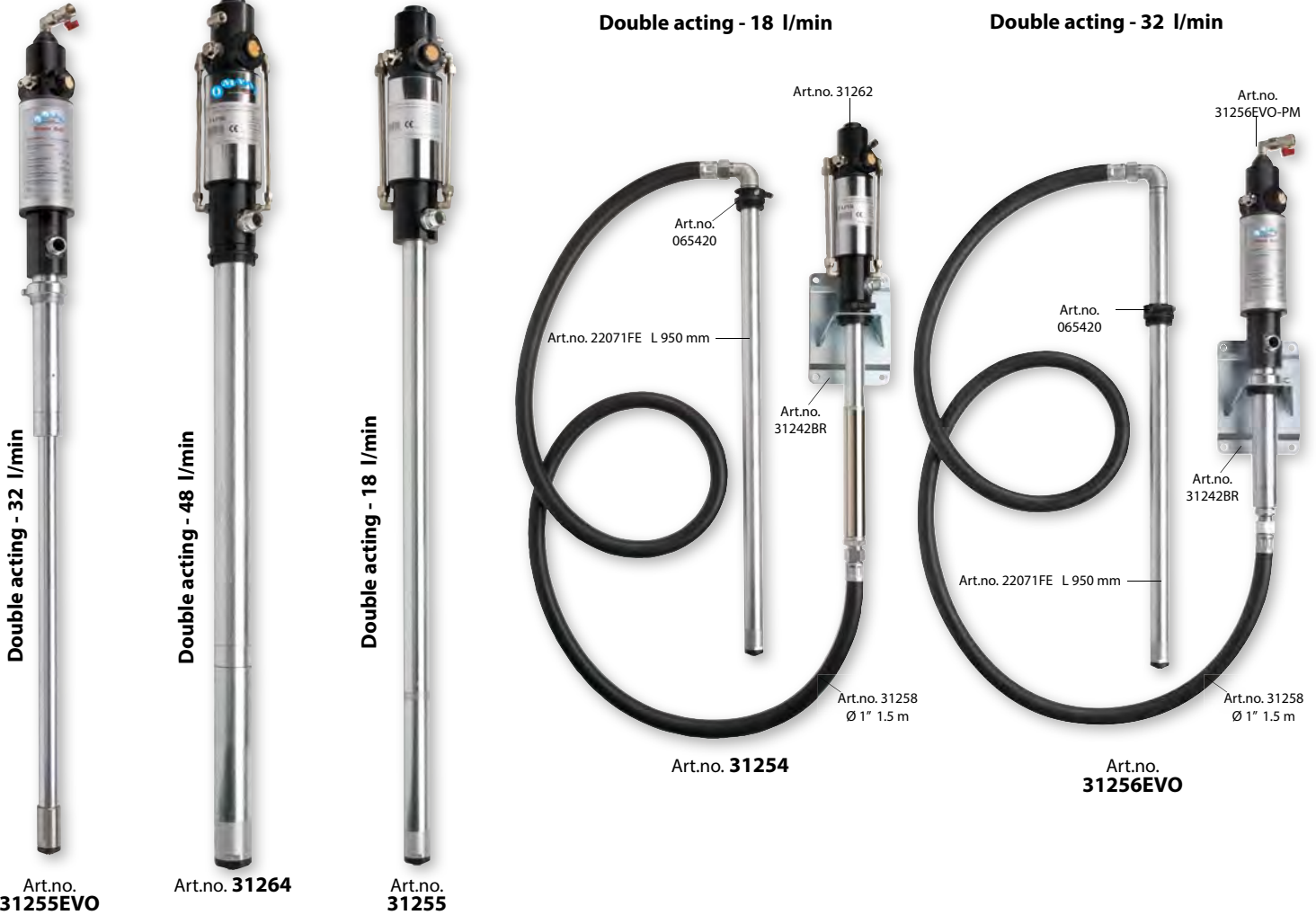
5:1

5:1

6:1

Double acting - 18 l/min

Double acting - 32 l/min



Art. no.	31255EVO	31264	31254 31262	31255	31256EVO	31256EVO-PM
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)					
Compression ratio	6:1	2:1	5:1		6:1	
Outlet pressure	48 bar (700 psi)	16 bar (232 psi)	40 bar (580 psi)	16 bar (232 psi)	48 bar (700 psi)	
Delivery	32 l/min	48 l/min	18 l/min	40 l/min	32 l/min	
Connection compressed air	1/2" BSP (F)		1/4" BSP (F)		1/2" BSP (F)	
Connection lubricant outlet	3/4" BSP (M)					
Max air consumption with 8 bar pressure	260 l/min		220 l/min		260 l/min	260 l/min
Length suction tube	950 mm					240 mm
Diameter suction tube	40 mm	55 mm	40 mm		-	
Suitable for drums of	208 l					Any
Weight	11 kg	8.5 kg	9.2 kg	8.2 kg	12.5 kg	7.8 kg
Dimensions (LxWxH) (mm)	95x95x1270		95x95x1500	95x95x1270	95x95x1500	95x95x700

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

oil



Art.no. **33750**

Air-operated oil dispensing kit **certified according to OIML R117-1**, composed of:

- double effect pneumatic pump ratio 5:1 art.no 31243PM;
- air separator device with pressure gauge for the check of the outlet oil pressure;
- automatic device for pump shutdown in case of empty drum;
- control panel with pushbutton and feeding cable;
- pressure regulator for pump air feeding.



Art.no. **33300KIT**

Air-operated oil dispensing kit **certified according to OIML R117-1**, composed of:

- double effect pneumatic pump ratio 5:1 art.no 31243PM;
- air separator device with pressure gauge for the check of the outlet oil pressure.

Heavy duty pneumatic pumps, industrial pump series "Power Bull", designed for the supply of oil under demanding conditions. Particularly suitable for the oil distribution in pipeworks and installations where a simultaneous supply of oil is required on different dispensing points at high pressure and/or with a high delivery.

POWER BULL SERIES

Oil



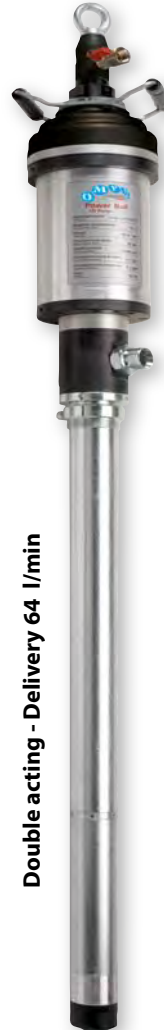
Single acting - Delivery 27 l/min

Art.no.
32155



Single acting - Delivery 15 l/min

Art.no.
32160



Double acting - Delivery 64 l/min

Art.no.
32140



Double acting - Delivery 42 l/min

Art.no.
32110

Art. no.	32155	32160	32140	32110
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			
Compression ratio	10:1	16:1	3.5:1	6:1
Delivery	25 l/min	15 l/min	46 l/min	38 l/min
Outlet pressure	80 bar (1160 psi)	128 bar (1860 psi)	28 bar (406 psi)	48 bar (700 psi)
Max frequency strokes/min	150	120	150	120
Max air consumption with 8 bar pressure	2.05 m ³ /min	1.92 m ³ /min	2.05 m ³ /min	1.92 m ³ /min
Diameter pneumatic piston	100 mm	125 mm	100 mm	125 mm
Diameter suction tube	50 x 40 mm	50 x 40 mm	55 x 50 mm	55 x 50 mm
Connection lubricant outlet	1" BSP (M)			
Connection compressed air	1/2" BSP (F)			
Application	Drum mounted pump			
Weight	15 kg	16 kg	16 kg	17 kg
Dimensions (LxWxH) (mm)	158x160x1600			

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Heavy duty pneumatic pumps, industrial pump series "Power Bull", designed for the supply of oil under demanding conditions. Particularly suitable for the oil distribution in pipeworks and installations where a simultaneous supply of oil is required on different dispensing points at high pressure and/or with a high delivery.

POWER BULL SERIES

oil



Delivery 27 l/min

Art.no. **32100**



Delivery 15 l/min

Art.no. **32150**



Delivery 56 l/min

Art.no. **32115**



Delivery 56 l/min

Art.no. **32126**



Delivery 122 l/min

Art.no. **32135**

Art. no.	32100	32150	32115	32126	32135
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)				
Compression ratio	10:1	16:1	4:1	10:1	1,5:1
Delivery	27 l/min	15 l/min	50 l/min	40 l/min	122 l/min
Outlet pressure	80 bar (1160 psi)	128 bar (1860 psi)	32 bar (464 psi)	80 bar (1160 psi)	12 bar (175 psi)
Max frequency strokes/min	150	120			
Max air consumption with 8 bar pressure	2.05 m ³ /min	1.80 m ³ /min			1.92 m ³ /min
Diameter pneumatic piston	100 mm	125 mm	125 mm	160 mm	125 mm
Diameter suction tube	50 x 40 mm	50 x 40 mm	80 x 70 mm	80 x 70 mm	110 x 100 mm
Connection lubricant outlet	1" BSP (M)				
Connection compressed air	1/2" BSP (F)				
Application	Wall mounted pump				
Weight	15 kg	16 kg	20 kg	23 kg	21 kg
Dimensions (LxWxH) (mm)	158x160x1070		158x160x800		158x160x1070

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Heavy duty pneumatic pumps, industrial pump series "Power Bull", designed for the supply of oil under demanding conditions. Particularly suitable for the oil distribution in pipeworks and installations where a simultaneous supply of oil is required on different dispensing points at high pressure and/or with a high delivery.

**POWER BULL
SERIES**



Delivery 40 l/min

Art.no. **32105**



Delivery 62 l/min

Art.no. **32121**



Delivery 55 l/min

Art.no. **32125**

Art. no.	32105	32121	32125
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)		
Compression ratio	6:1	3:1	6:1
Delivery	35 l/min	67 l/min	55 l/min
Outlet pressure	48 bar (696 psi)	24 bar (384 psi)	48 bar (700 psi)
Max frequency strokes/min	120		60
Max air consumption with 8 bar pressure max a 8 bar	1.92 m ³ /min		1.80 m ³ /min
Diameter pneumatic piston	125 mm		160 mm
Diameter suction tube	55 x 50 mm	80 x 70 mm	
Connection lubricant outlet	1" BSP (M)		
Connection compressed air	1/2" BSP (F)		
Application	Wall mounted pump		
Weight	15 kg	20 kg	32 kg
Dimensions (LxWxH) (mm)	158x160x1300		

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar



Art.no. 32200

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. nos. 32100 – 32150. Dimensions: 290 x 290 x 250 mm – \varnothing cylinder 50 mm. Distances between fixation holes: 230 x 205 mm.

Art.no. 32210

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. no. 32105. Dimensions: 290 x 290 x 250 mm – \varnothing cylinder 55 mm. Distances between fixation holes: 230 x 205 mm.

Art.no. 32220

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. nos. 32121 – 32125 – 32115 – 32126. Dimensions: 290 x 290 x 250 mm – \varnothing cylinder 80 mm. Distances between fixation holes: 230 x 205 mm.

Art.no. 32230

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. no. 32135. Dimensions: 290 x 290 x 250 mm – \varnothing cylinder 110 mm. Distances between fixation holes: 230 x 205 mm.



Art.no. 49717

Metal rack for wall mounting of pumps, length 1350 mm.



Art.no. 32218

Art.no. 32219

Art.no. 32219-130

Art.no. 32218

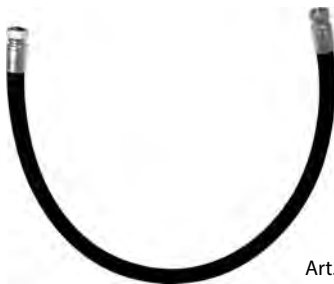
Suction tube in galvanized steel, \varnothing 55 mm, length 950 mm, with 90° - curved connection 1 1/4" BSP (M), with foot valve and metal bung adapter. Suitable for the use of wallmounted pneumatic oil pumps, series "Power Bull", with 208 I – drums.

Art.no. 32219

Suction tube in galvanized steel, \varnothing 55 mm, length 950 mm, with 90° - curved connection 1 1/4" BSP (M), with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series "Power Bull", with 208 I – drums.

Art.no. 32219-130

Suction tube in galvanized steel, \varnothing 55 mm, length 1500 mm, with 90° - curved connection 1 1/4" BSP (M), with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series "Power Bull", with 1000 I – IBC -tanks.



Art.no. 72101

Art.no. 72101

Rubber suction hose SAE 100 R1 AT, \varnothing 1 1/4", connections 1 1/4" BSP (F-F), length 1500 mm.



Art.no. 32217

Metal bung adapter for the fixation of pumps, series "Power Bull", on drums or tanks. Connection 2" BSP (M) x 50 mm. Suitable for art. nos. 32155 – 32160.

Art.no. 32216

Metal bung adapter for the fixation of pumps, series "Power Bull", on drums or tanks. Connection 2" BSP (M) x 55 mm. Suitable for art. nos. 32140 – 32110.



Art.no. **31242BR**

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series standard, TWDE and Tapir.

Dimensions: 170 x 140 x 235 mm.
Distances between fixation holes: 140 x 200 mm.



Art.no. **22071FE**
Art.no. **22072FE**
Art.no. **22073FE**

Art.no. **22071FE**

Suction tube in galvanized steel, \varnothing 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series standard, TWDE and Tapir, with 208 l - drums.

Art.no. **22072FE**

Suction tube in galvanized steel, \varnothing 40 mm, length 1100 mm, with 90° - curved connection 1" BSP (M), with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series standard, TWDE and Tapir, with 1000 l - IBC -tanks.

Art.no. **22073FE**

Suction tube in galvanized steel, \varnothing 40 mm, length 1300 mm, with 90° - curved connection 1" BSP (M), with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series standard, TWDE and Tapir, with 1000 l - IBC -tanks.



Art.no. **31258**

Art.no. **31258**

Rubber suction hose SAE 100 R1 AT, \varnothing 1", connections 1" BSP (F-F), length 1500 mm.



Art.no. **065420**
Art.no. **065420-50**
Art.no. **065420-55**



Art.no. **065421**

Art.no. **065420**

Plastic bung adapter for the fixation of pumps on drums, connection 2" BSP (M) x 40 mm.

Art.no. **065420-50**

Plastic bung adapter for the fixation of pumps on drums, connection 2" BSP (M) x 50 mm.

Art.no. **065420-55**

Plastic bung adapter for the fixation of pumps on drums, connection 2" BSP (M) x 55 mm for art. nos. 22060, 22077, 31264, 31238, 31244-L, 31247-L.

Art.no. **065421**

Plastic lock ring, 2", for bung adapter art. no. 065420.



Art.no. **71459**

Hydraulic safety screw coupling assembly with 4 gaskets, suitable for the use in hydraulic suction and dispensing lines in combination with pneumatic oil pumps.

Ideal to prevent a potential risk of air suction in suction lines which are used continuously. Connection threads on coupling and connector 3/4" BSP (F), with enlarged internal circuit permitting an improved oil flow.



Art.no. **49650**

Connection adapter for 1000 l - IBC - tanks in PP, \varnothing 70 mm, connection 1" BSP (M).



oil



Pneumatic rotary gear pump for the transfer of low viscosity oil, antifreeze, diesel, water.

Pump body in brass (art. no. 31221OT) and alternative version with TEFLON seals (art.no. 31221TEFLON) or in stainless steel (art. no. 31221), gears in Kevlar®, gaskets in Viton® and pump shaft in stainless steel.

Art. no.	Com. air supply	Outlet pressure	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
31221OT	4 bar	4 bar	10,5 l/min	3/8" BSP (F)	1.5 kg	165x160x80
31221						
31221TEFLON						

Electric gear pump for an intermittent use, for the transfer of low viscosity oil, antifreeze, diesel, water.

Protection category IP55. Pump body in brass, gears in bronze and pump shaft in stainless steel.

Electric cable and crocodile clamps not included.



Art. no.	Voltage	Current drain	Delivery	Outlet pressure	Connections	Weight	Dimensions (LxWxH) (mm)
70624	12 VDC	6 A	15 l/min	2 bar	3/8" BSP (F)	1.5 kg	165x160x80
70648	24 VDC	3 A	15 l/min	2 bar		1.5 kg	165x160x80

Electric self-priming gear pump, for the supply of oil, antifreeze, diesel, water; guarantees a constant flow and a low noise level.

Pump body in stainless steel, gears in bronze and pump shaft in stainless steel.

Includes a bypass valve preset on 5 bar pressure and 1.5 m - electric cable with crocodile clamps for battery connection.

Protection category IP 55.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
70700	12 VDC	240 W	30 A	2800	3 - 15 bar	10,5 l/min	1/2" BSP (M)	3.5 kg	260x130x140
70710	24 VDC		15 A						

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



Electric self-priming gear pump, for the supply of oil, antifreeze, diesel, water; guarantees a constant flow and a low noise level.

Pump body in stainless steel, gears in bronze and pump shaft in stainless steel.

Includes a bypass valve preset on 5 bar pressure and 1,5 m - electric cable with SCHUKO plug.

Protection category IP 55.

Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
70895	110 VAC - 60 Hz	550 W	3.8 A	3310	5 - 20 bar	10.5 l/min	1/2" BSP (M)	7.5 kg	240x290x180
70898 70894	230 VAC - 50 Hz			2760					
70896	400 VAC - 50 Hz			2760					

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



Electric self-priming gear pump, for the supply of oil, antifreeze, diesel, water for low pressure applications.

Pump body in stainless steel, bronze gears and pump shaft in stainless steel.

Includes a 1,5 m - electric cable with SCHUKO plug.

Protection category IP 55.

Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
70897	230 V - 50 Hz	550 W	3.8 A	2760	10 bar	10,5 l/min	1/2" BSP (M)	7.5 kg	240x290x180

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.

Electric rotary pump, for the supply of oil, antifreeze, diesel, water for low pressure applications
Pump body in aluminium and NBR seals.



Art. no.	Voltage	Power	Outlet pressure	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
70870	230 V - 50 Hz	750 W	1.5 bar	25 l/min	3/4" BSP (F)	8.5 kg	380x280x200

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.

OIL



Art.no. 33250KIT

Electric oil dispensing kit **certified according to OIML R117-1**, composed of:

- Electric self-priming gear pump with brass gears art.no. 70898;
- Air separator device with pressure gauge for the check of the outlet oil pressure;
- Automatic device for motore shutdown in case of empty drum;
- Double pressure switch with electronic board for pump shutdown in case of dispensing gun release.

Complete with by-pass valve set at 5 bar and 1.5 m electric cable with SCHUKO plug. Protection category IP 55.

Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adj. range	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
33250KIT	230 V - 50 Hz	550 W	3.8 A	2760	5 - 20 bar	10 l/min	1/2" BSP (M)	13 kg	460x520x260

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



Art.no. 33301KIT

Electric oil dispensing kit **certified according to OIML R117-1**, composed of:

- Electric self-priming gear pump with brass gears art.no. 70898;
- Air separator device with pressure gauge for the check of the outlet oil pressure;

Complete with by-pass valve set at 5 bar and 1.5 m electric cable with SCHUKO plug.

Protection category IP 55.

Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adj. range	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
33301KIT	230 V - 50 Hz	550 W	3.8 A	2760	5 - 20 bar	10 l/min	1/2" BSP (M)	13 kg	460x520x260

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.

Encased electric oil kit composed by:

- Electric, self-priming pump with body in stainless steel and brass gear;
- ON/OFF - switch;
- Control lights for function control;
- 1,5 m - electric cable with SCHUKO plug;
- Electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- Bypass valve preset on 5 bar pressure;
- Manometer for outlet pressure control;
- Pressure relief valve;
- Metal cabinet with wall-mounting bracket.

Protection category IP 55.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
33810	110 V - 50 Hz	550 W	3.8 A	3310	5 - 20 bar	10.5 l/min	1/2" BSP (M)	14 kg	300x260x480
33800	230 V - 50 Hz			2760					
33820	400 V - 50 Hz			2760					

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



Electric gear pump, self-priming, for the supply of oil under demanding conditions at medium pressure and with long pumping distances; guarantees a constant flow and delivery, even after long pumping distances or with simultaneous supplies. Available with motors in 230 VAC, 400 VAC and 110 VAC.

Includes a bypass valve preset on 28 bar pressure.

Electric cable with plug not included.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Delivery	Connections IN - OUT	Weight	Dimensions (LxWxH) (mm)
70882	110 VAC - 60 Hz	2.2 kW	9.6 A	1400	20 bar	30 l/min	1" BSP (M) 1" BSP (M)	28 kg	450x180x250
70884	230 VAC - 50 Hz		15 A					30 kg	
70885	400 VAC		7 A					32 kg	
70887	- 50 Hz		10 A	2760	10 bar	52 l/min			

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.

Art.no. **70886**

Electric oil pump without motor.



Kit **70980**

Encased oil supply kit including electric gear pump, art. no. 70887 and safety switch of protection category IP 55. Ideal for pipework installations.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Delivery	Connections IN - OUT	Weight	Dimensions (LxWxH) (mm)
70980	400 VAC - 50 Hz	2,2 kW	10 A	2760	10 bar	52 l/min	1" BSP (M) 1" BSP (M)	39 kg	600x500x300

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.

oil



Art.no. **31280**

Pneumatic double diaphragm pump, selfpriming up to 5 m suction lift, working also in dry running condition, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 3 mm size, body in PP, diaphragms in NBR + PTFE, balls in stainless steel, gaskets in EPDM, seats in PP. The pump is constructed in accordance with directive ATEX 2014/34/EU - zone 2.

Art.no. **32240**

Wall mounting bracket for pneumatic diaphragm pump.



 EX II 3/3 GD C IIB T 135°C

Art. no.	Max flow rate	Max suction lift	Comp. air supply	Connection compressed air inlet	Connections fluid inlet - outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
31280	20 l/min	5 m	2 - 8 bar	1/4" BSP (F)	3/8" BSP (F)	110 l/min	1.1 kg	146x93x164



Art.no. **31285**

Pneumatic double diaphragm pump, selfpriming up to 5 m suction lift, working also in dry running condition, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 3.5 mm size, body in aluminium, diaphragms in Hytrel® + PTFE, balls in PTFE, gaskets in Viton®, seats in aluminium. The pump is constructed in accordance with directive ATEX 2014/34/EU - zone 2.

Art.no. **32250**

Wall mounting bracket for pneumatic diaphragm pump.



 EX II 3/3 GD C IIB T 135°C

Art. no.	Max flow rate	Max suction lift	Comp. air supply	Connection compressed air inlet	Connections fluid inlet - outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
31285	55 l/min	5 m	2 - 8 bar	1/4" BSP (F)	1/2" BSP (F)	200 l/min	4 kg	234x156x245



Art.no. **31290**

Art.no. **31295**

Pneumatic double diaphragm pump, working also in dry running condition, selfpriming up to 5 m suction lift, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 4 mm (art.no. 31290) / 7,5 mm (art.no. 31295) size, body in aluminium, diaphragms in Hytrel® + PTFE, balls in PTFE, o - rings in Viton®, seats in aluminium. The pump is constructed in accordance with directive ATEX 2014/34/EU - zone 2.

Art.no. **32250**

Wall mounting bracket for pneumatic diaphragm pump art.no. 31290.

Art.no. **32260**

Wall mounting bracket for pneumatic diaphragm pump art.no. 31295.



 EX II 3/3 GD C IIB T 135°C

Art. no.	Max flow rate	Max suction lift	Comp. air supply	Connection compressed air inlet	Connections fluid inlet - outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
31290	100 l/min	5 m	2 - 8 bar	3/8" BSP (F)	3/4" BSP (F)	250 l/min	7 kg	265x175x245
31295	165 l/min			1/2" BSP (F)	1" BSP (F)	800 l/min	16 kg	370x222x364

Manual lever action drum pumps, available as single action or double action versions, made of carbon steel with components in aluminium and seals in Viton®.

Main fields of application: transfers and dispenses of small quantities of oil, diesel or antifreeze from drums.



Electronic flow meter art. no. 15955 with connection adapter for manual pumps, 1 m - outlet hose and rigid outlet with automatic anti-drip nozzle.

Art. no.	50806	50800	50820	50840	50860	50870	50880	50860-SP
Delivery	16 l/min	24 l/min	8 l/min	16 l/min	23 l/min	9 l/min	13,5 l/min	20 l/min
Delivery/stroke	0.25 l	0.48 l	0.13 l	0.23 l	0.32 l	0.11 l	0.40 l	0.25 l
Connection lubricant outlet	3/4" BSP (M)				PTG 20 mm			
Length suction tube	1000 mm							
Dimensions LxWxH (mm)	80x80x1350				300x220x1070	100x100x944	120x120x1110	300x220x1070
Suitable for drums of	208 l							
Weight	2.3 kg	2.3 kg	2.2 kg	2.2 kg	3.8 kg	1.3 kg	2.2 kg	4., kg

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C -- free flow outlet

Manual oil dispensing units, consisting of a portable container with or without wheels and a lever action pump suitable for transfers and dispenses of small quantities of oil, in applications where no other power supply is available.

oil



Art.no. **50400**

Portable oil dispensing unit, consisting of lever action oil pump, metal 16 l – container, 1.5 m – hose with curved rigid outlet pipe.

Art. no.	Delivery	Delivery/stroke	Capacity container	Weight	Dimensions (LxWxH) (mm)
50400	8 l/min	0.13 l	16 l	7.3 kg	250x320x660



Art.no. **50450**

Mobile oil dispensing unit, consisting of lever action oil pump, metal 16 l – container, 1.5 m – hose with curved, rigid outlet pipe.

Art. no.	Delivery	Delivery/stroke	Capacity container	Weight	Dimensions (LxWxH) (mm)
50450	8 l/min	0.13 l	16 l	10 kg	500x460x880



Art.no. **50846**

Mobile oil dispensing unit, suitable for the use with gear oils, consisting of lever action oil pump, metal 24 l – container with 2 wheels and level indicator, 1.5 m – hose with curved, rigid gear oil outlet pipe and anti-drip shut-off valve, particularly suitable for ATF – filling.

Art. no.	Delivery	Delivery/stroke	Capacity container	Weight	Dimensions (LxWxH) (mm)
50846	8 l/min	0.13 l	24 l	12 kg	380x410x770



Art.no. **50458**

Wheeled barrel pump, 16L capacity, with flow meter and transparent hose.

Art. no.	Delivery	Delivery/stroke	Capacity container	Weight	Dimensions (LxWxH) (mm)
50458	8 l/min	0.13 l	16 l	7.3 kg	500x460x880

Pneumatic oil dispensing units, consisting of a portable container with or without wheels that must be pressurized with compressed air, permitting an oil supply until the overpressure is carried to end. Suitable for transfers and dispenses of small quantities of oil.



Art.no. **50200**

Mobile oil dispensing unit, consisting of 24 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1.6 m – rubber hose, oil control gun, art. no. 14101, with rigid outlet and automatic anti-drip nozzle. Max pressure 7 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions (LxWxH) (mm)
50200	7 bar	24 l	9.8 kg	350x400x950



Art.no. **50225**

Mobile oil dispensing unit, consisting of 24 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1.6 m – rubber hose, oil control gun with electronic flow meter, art. no. 15950, with rigid outlet and automatic anti-drip nozzle. Max pressure 7 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions (LxWxH) (mm)
50225	7 bar	24 l	12 kg	350x400x950



Art.no. **50210**

Mobile oil dispensing unit, consisting of 40 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1.6 m – rubber hose, oil control gun, art. no. 14101, with rigid outlet and automatic anti-drip nozzle. Max pressure 5 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions (LxWxH) (mm)
50210	5 bar	40 l	18 kg	380x400x1010



Art.no. **50226**

Mobile oil dispensing unit, consisting of 40 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1.6 m – rubber hose, oil control gun with electronic flow meter, art. no. 15950, with rigid outlet and automatic anti-drip nozzle. Max pressure 5 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions (LxWxH) (mm)
50226	5 bar	40 l	18.5 kg	380x400x1010

Ø 1/2"

Art.no. 14100



Art.no. 14100

Oil control gun, body in anodized aluminium, impact resistant, with trigger guard, cartridge filter, connections 1/2" BSP (F), max flow 50 l/min, max pressure 70 bar.

Art.no. 14102



Art.no. 14102

Oil control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, flexible rubber outlet, Ø 1/2", with 80° stem and automatic anti-drip nozzle.

Art.no. 14103



Art.no. 14103

Oil control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, Ø16 mm rigid outlet and automatic anti-drip nozzle.

Art.no. 14104



Art.no. 14104

Oil control gun with 1/2" BSP (M) inlet swivel.

Art.no. 14105



Art.no. 14105

Oil control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, Ø12 mm curved rigid outlet and automatic anti-drip nozzle.

Art.no. 14106



Art.no. 14106

Control gun for pure antifreeze with EPDM seals, body in anodized aluminium, impact resistant, with trigger guard, cartridge filter, connections 1/2" BSP (F), max flow 50 l/min, max pressure 70 bar.

Art.no. 14107



Art.no. 14107

Oil control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, flexible rubber outlet, Ø 1/2", with 80° stem and manual anti-drip nozzle.

Art.no. 14108



Art.no. 14108

Oil control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, flexible rubber outlet Ø1/2" with 80° stem, oil flow transparent viewer and automatic anti-drip nozzle.

Art.no. 14109



Art.no. 14109

Oil control gun, based on art. no. 14100, with **VITON** seals, 1/2" BSP (M) inlet swivel, flexible rubber outlet Ø1/2" with 80° stem, and manual anti-drip nozzle.

Art.no. 14110



Art.no. 14110

Oil and antifreeze control gun, body in anodized aluminium, VITON seals, impact resistant, with trigger guard, cartridge filter, connections 1/2" BSP (F), max flow 50 l/min, max pressure 70 bar.

Art.no. 14101
Art.no. 14112



Art.no. 14101

Oil control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, rigid outlet, Ø 12 mm and automatic anti-drip nozzle.

Art.no. 14116



Art.no. 14112

Antifreeze control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, rigid outlet, Ø 12 mm and automatic anti-drip nozzle.

Art.no. 14114



Art.no. 14116

Oil control gun, based on art.no. 14101, but equipped with combined manual/automatic anti-drip nozzle, art.no. 14259.

Art.no. 14114

Oil control gun, based on art.no. 14102, but equipped with combined manual/automatic anti-drip nozzle, art.no. 14259.

Ø 3/4"



Art.no. **14150**

Art.no. **14150**

Oil control gun, body in anodized aluminium, impact resistant, with trigger guard, cartridge filter, connections 3/4" BSP (F), max. flow 100 l/min., max. pressure 70 bar.



Art.no. **14151**

Art.no. **14151**

Oil control gun, based on art.no. 14150, with 3/4" BSP (M) inlet swivel, rigid outlet, Ø 3/4", without automatic anti-drip nozzle.



Art.no. **14152**

Art.no. **14152**

Oil control gun, based on art.no. 14150, with 3/4" BSP (M) inlet swivel, rigid outlet, Ø 3/4", and automatic anti-drip nozzle.



Art.no. **14153**

Art.no. **14153**

Oil control gun, based on art.no. 14150, with 3/4" BSP (M) inlet swivel, flexible rubber outlet, Ø 3/4", and automatic anti-drip nozzle.

Ø 1"



Art.no. **14300**

Art.no. **14300**

High delivery oil control gun, body in anodized aluminium, impact resistant, connections 1" BSP (F), max. flow 150 l/min., max. pressure 100 bar.

Art.no. **14300-A**

High delivery control gun for oil and antifreeze, based on art.no. 14300, with VITON seals.



Art.no. **14315**

Art.no. **14315**

High delivery oil control gun, based on art.no. 14300, with 1" BSP (M) inlet swivel, flexible rubber outlet, Ø 1", with connections 1" BSP (M) and automatic anti-drip nozzle.

Art.no. **14315-A**

High delivery control gun for oil and antifreeze, based on art.no. 14315, with VITON seals.



Art.no. **14310**

Art.no. **14310**

High delivery oil control gun, based on art.no. 14300, with 1" BSP (M) inlet swivel, rigid outlet, Ø 20 mm, and automatic anti-drip nozzle.

Art.no. **14310-A**

High delivery control gun for oil and antifreeze, based on art.no. 14310, with VITON seals.



Art.no. **14256**
Automatic anti-drip nozzle \varnothing 18 mm. Connection F 3/8" BSP.



Art.no. **14234**
Manual anti-drip nozzle with screw shut-off \varnothing 14 mm. Connection F - M12x1 mm.



Art.no. **14238**
Manual anti-drip nozzle with screw shut-off \varnothing 14 mm. Connection M - M12x1 mm.



Art.no. **14255**
Automatic anti-drip nozzle, \varnothing 12 mm - length 34 mm.
Connection M10x1 (F).



Art.no. **14254**
Manual anti-drip nozzle \varnothing 12.5 mm.
Connection M10x1 (F).



Art.no. **14350**
Automatic anti-drip nozzle \varnothing 29 mm, suitable for high delivery oil control guns, connection 1" BSP (F).

Art.no. **14350-A**
Automatic anti-drip nozzle \varnothing 29 mm for oil and antifreeze with VITON seals. Connection F 1" BSP.



Art.no. **14160**
Automatic anti-drip nozzle \varnothing 20 mm. Connection F 3/4" BSP.



Art.no. **14259**
Innovative, combined automatic/manual anti-drip nozzle that combines the automatic system with the safety of the manual version, also in case of sudden anomalies or overpressure in the hydraulic circuit when it is out of use.
Connection M10x1 (F).



Art.no. **14208**
Straight flexible rubber outlet, length 300 mm, with manual anti-drip nozzle with screw regulation. Connection 1/2" BSP (M).

Art.no. **14216**
Curved rigid outlet, Ø 12 mm, 1/2" BSP (M), with automatic anti-drip nozzle.

Art.no. **14220**
Standard rigid outlet, Ø 12 mm, 1/2" BSP (M), with automatic anti-drip nozzle.

Art.no. **14230**
Standard rigid outlet, Ø 16 mm, 1/2" BSP (M), with automatic anti-drip nozzle.

Art.no. **14209**
Flexible rubber outlet, Ø 1/2", with curved rigid 80° stem and automatic anti-drip nozzle. Connection 1/2" BSP (M).

Art.no. **14219**
Flexible rubber outlet, Ø 1/2", with curved rigid 80° stem and combined manual/automatic anti-drip nozzle, art.no. 14259. Connection 1/2" BSP (M).

Art.no. **14240**
Inline oil flow control tube, with transparent insert.

Art.no. **14210**
Flexible rubber outlet, Ø 1/2", with curved rigid 80° stem and manual anti-drip nozzle. Connection 1/2" BSP (M).

Art.no. **14211**
Flexible rubber outlet, Ø 1/2", with curved rigid 80° stem and manual anti-drip nozzle with screw shut-off. Connection M 1/2" BSP.

Art.no. **14218**
Standard rigid outlet, Ø 12 mm, 1/2" BSP (M), with manual anti-drip nozzle.

Art.no. **14222**
Standard rigid outlet, Ø 12 mm, 1/2" BSP (M), with combined manual/automatic anti-drip nozzle.



Art.no. **14253**

Art.no. **14253**
Inlet swivel, in galvanized steel, connections 1/2" BSP (M), max static pressure 200 bar.

Art.no. **14253-NPT**
Inlet swivel, in galvanized steel, connections 1/2" BSP -NPT (M), max static pressure 200 bar.

Art.no. **14253-A**
Inlet swivel for antifreeze, in brass, connections 1/2" BSP (M), max static pressure 200 bar.



Art.no. **14225**



Art.no. **14252**

Art.no. **14225**
Adapter for 12 mm Ø extension – Connection 1/2" BSP (M).

Art.no. **14252**
Adapter for 16 mm Ø extension – Connection 1/2" BSP (M).



Art.no. **013018**
Rubber bumper for flow meter.

oil



Art.no. **15840**

Art.no. **15840**

"Oil Gate" series digital oval gear meter with a preset function, non-drip nozzle, oil control gun and inlet swivel. The preset function is a small but effective element of automation in filling operations, as the batches of fluid to be dispensed are set in advance and the flow stops automatically upon completion. The meter can also be calibrated by the user.



Art.no. **15841**

Art.no. **15841**

"OIL GATE 100" digital oval gear meter with gun, 12 mm Ø extension, automatic non-drip nozzle, and 1/2" BSP inlet swivel. With trigger guard and rubber cushioning.



Art.no. **15842**

Art.no. **15842**

"OIL GATE 100" digital oval gear meter with gun 16 mm Ø extension, automatic non-drip nozzle and 1/2" BSP inlet swivel. With trigger guard and rubber cushioning.



Art.no. **15843**

Art.no. **15843**

"OIL GATE 100" digital oval gear meter with gun, flexible extension bent to 80°, automatic non-drip nozzle, 1/2" BSP inlet swivel. With trigger guard and rubber.



Art.no. **15844**

Art.no. **15844**

"OIL GATE 100" digital oval gear meter with gun, 12 mm Ø extension bent to 80° with automatic non-drip nozzle, 1/2" BSP inlet swivel. With trigger guard and rubber cushioning.



Art.no. **15845**

Art.no. **15845**

"OIL GATE 100" digital oval gear meter with gun, 12 mm Ø extension, non-drip nozzle and 1/2" BSP inlet swivel. With trigger guard and rubber cushioning. Meter for use with **pure antifreeze**.

Art. no.	15840 - 15841 - 15842 15843 - 15844 - 15845
Connections	1/2" BSP (M)
Flow range	0.5 - 20 l/min
Operating temperature range	0°C / + 50°C
Max working pressure	40 bar (580 psi)
Accuracy	+/- 0,5%
Feeding	3 x 1.5 V
Max. fluid viscosity	SAE: 240
Weight	1.5 kg

Not approved for fiscal transactions.



Art.no. 15890



Art.no. 15891



Art.no. 15892



Art.no. 15893



Art.no. 15894



Art.no. 15896



Art.no. 15898

Art.no. **15890**

"Oil Bit Plus" series digital oval gear meter with 12mm Ø automatic non-drip nozzle and oil control gun with 1/2" BSP inlet swivel.

Art.no. **15891**

"OIL-BIT PLUS" digital oval gear flow meter with manual non-drip oil control gun, 12mm Ø rigid extension and inlet swivel. With trigger guard and rubber cushioning. Meter for use with **pure antifreeze**.

Art.no. **15892**

"OIL-BIT PLUS" digital oval gear flow meter with automatic non-drip oil control gun, 16mm Ø extension and inlet swivel. With trigger guard and rubber cushioning.

Art.no. **15893**

"OIL-BIT PLUS" digital oval gear flow meter with gun, 12 mm Ø extension, automatic non-drip nozzle and 1/2" BSP inlet swivel. With trigger guard and rubber cushioning. Digital oil meter with oil viewer.

Art.no. **15894**

"OIL-BIT PLUS" digital oil meter oval gear with gun, trigger guard and rubber cushioning. Digital oil meter with flexible extension and manual non-drip nozzle with screw shut-off.

Art.no. **15896**

"OIL-BIT PLUS" digital oval gear flow meter with gun, trigger guard and rubber cushioning. Digital oil meter with flexible extension bent to 80° and automatic non-drip nozzle.

Art.no. **15898**

"OIL-BIT PLUS" digital oil meter suitable for in-line use or attachment to oil control gun. 1/2" BSP connections.

Art. no.	15890 - 15891 - 15892 15893 - 15894 - 15896	15898
Connections	1/2" BSP (M)	1/2" BSP(F)
Flow range	1 - 20 l/min	
Operating temperature range	0°C / + 50°C	
Max working pressure	50 bar (725 psi)	
Accuracy	+/- 0,5%	
Feeding	2 x 1.5 V	
Max. fluid viscosity	SAE: 240	
Weight	1.5 kg	

Not approved for fiscal transactions.

OIL



Art.no. **15900-P**

Art.no. **15900-P**

"OIL-COUNTER plus" digital oval gear meter with gun, 12 mm Ø rigid extension, automatic non-drip nozzle and inlet swivel.



Art.no. **15901-P**

Art.no. **15901-P**

"OIL-COUNTER plus" digital oval gun meter with gun, flexible extension with manual non-drip nozzle using screw shut-off and inlet swivel.



Art.no. **15902-P**

Art.no. **15902-P**

"OIL-COUNTER plus" digital oval gear meter with gun, Ø 16 mm rigid extension, automatic non-drip nozzle and inlet swivel.



Art.no. **15903-P**

Art.no. **15903-P**

"OIL-COUNTER plus" **anti-freeze** digital oval gear meter with gun, 12 mm Ø rigid extension, manual non-drip nozzle and inlet swivel.



Art.no. **15905-P**

Art.no. **15905-P**

"OIL-COUNTER plus" digital oil meter suitable for in-line use or attachment to oil control gun. 1/2" BSP connections.



Art.no. **15910-P**

Art.no. **15910-P**

"OIL-COUNTER plus" digital oval gear meter with gun, flexible extension bent to 80° and automatic non-drip nozzle.

Art. no.	15900-P - 15901-P - 15902-P 15903-P - 15910-P	15905-P
Connections	1/2" BSP (M)	1/2" BSP (F)
Flow range	1 - 20 l/min	
Operating temperature range	0°C / + 50°C	
Max working pressure	50 bar (725 psi)	
Accuracy	+/- 0,5%	
Feeding	2 x 1.5 V	
Max. fluid viscosity	SAE: 240	
Weight	1.5 kg	

Not approved for fiscal transactions.



The **new electronic flow meter series BLC** features the following characteristics:

- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component. The flow meter allows to display three different measurement results:
 - 1) the quantity of each individual fluid dispense (single operation measurement),
 - 2) the quantity of a sum of dispenses (partial totalizer) and
 - 3) the total of all dispenses ever made (absolute totalizer);
- the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- the display additionally assures a perfect readability through included backlit feature;
- the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
- it also assures an improved accuracy and repeatability of the measurement;
- the flow meter is equipped by a rubber protection guard;
- the control gun (art. no. 14100) includes a trigger guard and an intergrated inline filter which allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort.



Art.no. **15955**

Art.no. **15950**
Oil

Art.no. **15951**
Antifreeze

Art.no. **15950**

Electronic oval gears flow meter for oil **series BLC**, with control gun with trigger guard, rubber protection guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **15951**

Electronic oval gears flow meter for **antifreeze, series BLC**, with control gun with trigger guard, rubber protection guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **15955**

Electronic oval gears flow meter for oil and antifreeze, **series BLC**, suitable for inline applications, connections 1/2" BSP (F).

Art.no. **15952**

Electronic oval gears flow meter for oil, **series BLC**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **15953**

Electronic oval gears flow meter for oil, series BLC, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, manual anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **15954**

Electronic oval gears flow meter for antifreeze, series BLC, with control gun with trigger guard, rubber protection guard, rigid outlet ø 12 mm, manual anti-drip nozzle and inlet swivel 1/2" BSP (M).



Art.no. **15952**
Oil

Art. no.	15950 - 15953 - 15954	15955	15951	15952
Connections	1/2" BSP (M)	1/2" BSP (F)	1/2" BSP (M)	
Flow range	1 - 30 l/min			
Operating temperature range	+ 10°C / + 50°C			
Max working pressure	70 bar (1015 psi)			
Accuracy	+/- 0.5%			
Total max resettable	9999 l			
Total max non- resettable	9999 l			
Weight	1.5 kg			

Not approved for fiscal transactions.



OMPI TOUCH

System for control and measurement of dispenses performed by flow meters with wireless data transmission: at the end of each dispense the dispense data are transmitted to a server control unit and can be visualized by means of an industrial tablet or online.

- Up to 16 flow meters can be connected to each server control unit,
- each flow meter transmits the quantity of each dispense and the instantaneous flow value,
- it can work in preset or in free flow mode.

The control unit provides the following data for each connected flow meter:

- last dispense quantity,
- total dispense quantity,
- date and time of each dispense performed,
- average delivery rate,
- analysis of eventual anomalies in performed dispenses,
- remaining level in the connected reservoir (drum / tank),
- when minimum level is reached alert message via email and reorder request.



The same data can be visualized also in the data cloud of any device (PC, tablet, smartphone etc.) and can be exported in data formats .csv, .pdf and .xls.



Art.no. 76500



Art.no. 76500

Server control unit with touchscreen, for data storage and monitoring.





Ø 1/2"



The flow meters of series Oil Gate+ with preset function are sophisticated flow meter models due to their innovative backlit display and the option of a wireless data transmission if used in combination with the OMPI TOUCH control unit (see page 40).



Art.no. **16100**

Electronic oval gears preset flow meter for oil, **series Oil Gate+**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **16110**

Electronic oval gears preset flow meter for antifreeze, **series Oil Gate+**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **16120**

Electronic oval gears preset flow meter for oil, **series Oil Gate+**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 80° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).



The flow meters of series FREEFLOW are sophisticated flow meter models due to their innovative backlit display and the option of a wireless data transmission if used in combination with the OMPI TOUCH control unit.

Art.no. **16300**

Electronic oval gears flow meter for oil, series **FREEFLOW**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **16301**

Electronic oval gears flow meter for antifreeze, series **FREEFLOW**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **16302**

Electronic oval gears flow meter for oil, series **FREEFLOW**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 80° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **16305**

Electronic oval gears flow meter for oil, series **FREEFLOW**, suitable for in-line use or attachment to oil control gun. 1/2" BSP connections.

Art. no.	16100 - 16110 16120	16300 - 16301 16302	16305
Connections	1/2" BSP (M)		1/2" BSP (F)
Flow range	1 - 30 l/min		
Operating temperature range	+ 10°C / + 50°C		
Max working pressure	70 bar (1015 psi)		
Accuracy	+/- 0.5%		
Total max resettable	9999 l		
Total max non resettable	9999 l		
Weight	1.7 kg	1.6 kg	

Not approved for fiscal transactions.



The flow meters of series OIL METER are sophisticated flow meter models due to their innovative backlit display.

oil

Art.no. 16205

Art.no. 16200

Electronic oval gears flow meter for oil, series OIL METER, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. 16201

Electronic oval gears flow meter **for antifreeze**, series OIL METER, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. 16202

Electronic oval gears flow meter for oil, series OIL METER, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 80° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. 16205

Electronic oval gears flow meter for oil, series OIL METER, suitable for in-line use or attachment to oil control gun. 1/2" BSP connections.



Art.no. 16200
Oil

Art.no. 16201
Antifreeze



Art.no. 16202
Oil

Art. no.	16200 - 16201 16202	16205
Connections	1/2" BSP (M)	1/2" BSP (F)
Flow range	1 - 30 l/min	
Operating temperature range	+ 10°C / + 50°C	
Max working pressure	70 bar (1015 psi)	
Accuracy	+/- 0,0%	
Total max resettable	9999 l	
Total max non resettable	9999 l	
Weight	1.7 kg	1.6 kg

Not approved for fiscal transactions.



Art.no. **14500**

Electronic oval gears high delivery flow meter for oil, **series Oil HFlow**, with control gun Ø 3/4", trigger guard, cartridge filter, rigid outlet, automatic anti-drip nozzle and 3/4" BSP (M) inlet swivel.

This high volume series allows to accelerate the oil supplies by the use of a flow meter that guarantees high accuracy measurement even at high flow rates.



Art.no. **14500**

Art.no. **3105.0028**

Rubber protection guard, giant type, suitable for flow meters of high delivery series "Oil HFlow". Provides a good protection against any shocks.



Art.no. **14550**

Art.no. **14550**

Electronic oval gears high delivery flow meter for oil, **series Oil HFlow**, with control gun Ø 3/4", trigger guard, cartridge filter, flexible rubber outlet Ø 3/4", automatic anti-drip nozzle and 3/4" BSP (M) inlet swivel.

Art.no.	14500	14550
Connections	3/4" BSP (M)	
Flow range	10 - 100 l/min	
Operating temperature range	+ 10°C / + 50°C	
Max working pressure	70 bar (1015 psi)	
Accuracy	+/- 0.5%	
Total max resettable	9999 l	
Total max non resettable	9999 l	
Weight	3.7 kg	

Not approved for fiscal transactions.



Art.no. **71740**

Electronic oval gears high delivery flow meter for oil, **series Oil HFlow**, with control gun Ø 1", trigger guard, cartridge filter, rigid outlet Ø 20 mm, automatic anti-drip nozzle and 1" BSP (M) inlet swivel.

This high volume series allows to accelerate the oil supplies by the use of a flow meter that guarantees high accuracy measurement even at high flow rates.



Art.no. **71730**
Art.no. **71735**

Art.no. **71730**

Electronic oval gears high delivery flow meter for oil, **series Oil HFlow**, suitable for inline applications, connections 1" BSP (F).

Art.no. **71735**

Electronic oval gears high delivery flow meter for oil, **series Oil HFlow**, suitable for inline applications, connections 1" 1/4 BSP (F).

Art.no. **71745**

Electronic oval gears high delivery flow meter for oil, **series Oil HFlow**, with control gun Ø 1", trigger guard, cartridge filter, flexible rubber outlet Ø 1", automatic anti-drip nozzle and 1" BSP (M) inlet swivel.



Art.no. **71740**



Art.no. **71745**

Art.no.	71730	71735	71740	71745
Connections	1" BSP (F)	1" 1/4 BSP (F)	1" BSP (M)	
Flow range	20 - 70	20 - 150	20 - 70	
Operating temperature range	+ 0°C / + 50°C			
Max working pressure	40 bar (580 psi)	25 bar (363 psi)	40 bar (580 psi)	
Accuracy	+/- 0.5%			
Power	2 x 1,5 V			
Total max resettable	9999 l			
Total max non resettable	9999 l			
Weight	1.6 kg		3.9 kg	

Not approved for fiscal transactions.

Art.no. **15863**

Mechanical oval gears flow meter, with body in aluminium, for oil and antifreeze, with two totalizers suitable for inline applications.



Art.no. **15863**



Art.no. **15867**

Art.no. **15867**

Mechanical oval gears flow meter for oil, with control gun.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Total max resettable	Total max non resettable	Weight
15863	1/2" BSP (F)	15	0°C / +50°C	70 bar (1015 psi)	+ / - 0.5%	999.9 l	999999 l	0.68 Kg
15867	1/2" BSP (M)							1.1 Kg

Art.no. **15865**

Mechanical, analogical flow meter for oil, with control gun, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Total max resettable	Total max non resettable	Weight
15865	1/2" BSP (M)	15	+10°C / +50°C	70 bar (1015 psi)	+ / - 0.5%	0-10 l	9999 l	1.6 Kg

Art.no. **15870**

Mechanical, analogical preset flow meter for oil, with integrated control gun, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M). Preset values 0 – 60 l.



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Total max resettable	Total max non resettable	Weight
15870	1/2" BSP (M)	15 l/min	+10°C / +50°C	50 bar (725 psi)	+ / - 0.5%	0-16 l 0-60 l	9999 l	1.6 Kg

Art.no. **15850**

Digital flow meter for oil, suitable for in-line use. Connections 1/8" BSP



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Total max resettable	Total max non resettable	Weight
15850	1/8" BSP (F)	1	+10°C / +50°C	70 bar (1015 psi)	+ / - 0.5%	0-10 l	9999 l	1.6 Kg

oil



Art.no. 71080

Electronic oval gears flow meter with pulse transmitter, suitable for oil, grease diesel and antifreeze, including a 24 VDC - solenoid valve, an in-line 150 µm cartridge filter and a wall bracket.

Art.no. 71080-RF

Version with wireless data transmission.
Semiconductor reed probe.
Minimum voltage: 3 V.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
71080 71080-RF	1/2" BSP (F)	30 l/min	+5°C / +110°C	100 bar (1450 psi)	+ / - 0.5%	100/l	1.5 kg	120X120X160



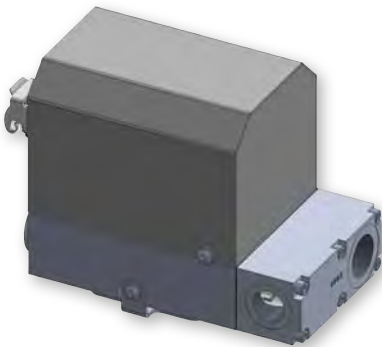
Art.no. 71090

Electronic oval gears flow meter with pulse transmitter, suitable for oil, grease, diesel and antifreeze, including a 24 VDC - solenoid valve, an in-line 150 µm cartridge filter and a wall bracket. Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.

Art.no. 71090-RF

Version with wireless data transmission.
Semiconductor reed probe.
Minimum voltage: 3 V.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
71090 71090-RF	1" BSP (F)	70 l/min	+5°C / +110°C	100 bar (1450 psi)	+ / - 0.5%	50/l	2.5 kg	120X120X175



Art.no. 71100

Electronic oval gears flow meter with pulse transmitter, suitable for oil, grease, diesel and antifreeze, including a 24 VDC - solenoid valve, an in-line 150 µm cartridge filter and a wall bracket. Appropriate for in-line use applications and in combination with electronic oil monitoring systems by the use of an external receiver.

Art.no. 71100-RF

Version with wireless data transmission.
Semiconductor reed probe.
Minimum voltage: 3 V.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
71100 71100-RF	1" BSP (F)	70 l/min	+5°C / +110°C	100 bar (1450 psi)	+ / - 0.5%	50/l	2.5 kg	120X120X225



Art.no. 71095

Electronic oval gears flow meter with pulse transmitter, suitable for oil, diesel and antifreeze, including a 24 VDC - solenoid valve, an in-line 150 µm cartridge filter, a built-in display and a wall bracket. Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
71095	1/2" BSP (F)	35 l/min	+5°C / +110°C	100 bar (1450 psi)	+ / - 0.5%	100/l	1.5 kg	120X120X160



Art.no. 71085

Electronic oval gears flow meter with pulse transmitter, body in IXEF, including a stainless steel 24 VDC - solenoid valve, an in-line 150 µm cartridge filter and a wall bracket. Suitable for the use with water-based fluids and AdBlue® (DEF). Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.

Art.no. 71085-RF

Version with wireless data transmission.

Semiconductor reed probe.

Minimum voltage: 3 V.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
71085 71085-RF	1/2" BSP (F)	10 l/min	+5°C / +110°C	10 bar (145 psi)	+ / - 0.5%	100/l	1.5 kg	120X120X160

Art.no. 71075

Electronic oval gears flow meter with pulse transmitter, body in IXEF, including a stainless steel 24 VDC - solenoid valve. Suitable for the use with water-based fluids and AdBlue® (DEF).

Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight
71075	1/2" BSP (M)	35 l/min	+5°C / +70°C	30 bar (435 psi)	+ / - 0.5%	78/l	0.6 kg

Art.no. 71061

Electronic oval gears flow meter with pulse transmitter, suitable for oil and antifreeze. Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.

Art.no. 71070

Electronic oval gears flow meter with pulse transmitter, body in IXEF.

Suitable for the use with water-based fluids and AdBlue® (DEF).



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight
71061	1/2" BSP (M)	20 l/min	+5°C / +50°C	70 bar (1015 psi)	+ / - 0.5%	78/l	0.6 Kg
71070				30 bar (435 psi)			0.4 Kg

Art.no. 71063

Electronic oval gears high delivery flow meter with pulse transmitter, suitable for oil, diesel and antifreeze. Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight
71063	1" BSP (F)	70 l/min	+ 5°C / +50°C	50 bar (725 psi)	+ / - 0.5%	39/l	1.6 kg

The **European Directive 2014/32/EU**, better known as Directive **MID** (Measuring Instruments Directive), is a community norm responding to reasons of public interest, safety and order, protection of the environment and the consumer, of levying taxes and duties and of fair trading. All these points affect directly and indirectly the daily life of citizens in many ways and require certified measuring systems subject to fiscal verification.

The **MID MI-005** involves measuring systems for continuous and dynamic measurement of quantities of liquids other than water, particularly lubricant oils.

The OMPI oil flow meter series **MID MI-005** complies with metrological standards and requirements concerning accuracy as defined in the a.m. Directive and can be used therefore as approved meters also in fiscal transactions.

110



Art.no. **15899**

Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, Directive 2014/32/EU**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, \varnothing 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

This flow meter entirely meets the requirements of the **OIML R117-1** (Dynamic measuring systems for liquids other than water) and **Welmec 7.2** software guide, 2018.

OPERATING CONDITIONS FOR THE USE	
Viscosity range of lubricants	Automotive lubricant oil
Flow range	0.5 – 5 l/min
Min. measurable quantity	0.5 l
Accuracy class	0.5 (MID MI-005 – OIML R117-1)
Operating temperature range	+ 5°C / + 40°C
Working pressure range	1 – 20 bar
Display resolution degree	0.005 l
Mechanical environment category	M1
Electromagnetic environment category	E2
Checksum code	cksum E57E
Protection class	IP 64
Underlying CE directives	2004/108/CE 2006/95/CE
Underlying CE norms	CEI EN 61000-4-2 CEI EN 61000-4-2 A1 CEI EN 61000-4-2 A2 CEI EN 61000-4-3
Single operations data storing capacity	2000 dispenses
Composition of storable single operations data	<ul style="list-style-type: none"> • Serial number of single dispense • Year of dispense • Month and day of dispense • Time of dispense • Dispensed quantity of single operation • Absolute total of dispensed quantities

Conformity assessment Art. 17 modules **B+D**



EU type approval certificate **MID 89_B_1 - rev. 0**

Mobile dispensing kit for oil, composed of 12 VDC – selfpriming, electric pump, pump pulsation damper, pressure switch, connecting hose \varnothing 1/2" for connection pump – suction tube, plastic suction tube with non-return foot valve and bung adapter for fixation on drum, electronic oval gears flow meter for oil, thermal printer for printing a ticket of each individual dispense, 2 m –delivery hose \varnothing 1/2" and dispensing gun. The unit is completely autonomous thanks to an included 12 VDC high performance battery.



High-precision, electronic oval gears flow meter.

Displays all the data of each single dispense (quantity, date/time, progressive number) and records up to 2000 data, which are easily accessible in case of subsequent checks.



Emergency button.

System key switch to prevent unauthorized dispenses.

Battery charge indicator.

Thermal printer, performs the printing of individual reports of all the data at the end of each dispense.

Art. no.	Suitable for drums of	Max. delivery	Max outlet pressure	Voltage	Current drain	Weight	Dimensions (LxWxH) (mm)
74000-200	200 l	10 l/min	4 bar	12 VDC	30 A	96 kg	650 x 900 x 1150
74000-60	60 l					90 kg	450 x 720 x 1050

The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.

oil



Art.no. **50606**

Wall-mounted dispensing bar, suitable for oil and antifreeze, equipped with 1 spring operated spigot with splash guard filter and drain valve for drip tray. Inlet connections 3/4" BSP (F). The unit is prepared for the installation of 2 more spigots.

Optional: Plastic or tin plate measures (see page 51) and flow meters (art. no. 15955) are available as accessories on demand.

Art. no.	Weight	Dimensions (LxWxH) (mm)
50606	11 kg	500x300x500

Art.no. **40450**

Spring operated spigot, in galvanized steel, with splash guard filter, max pressure 24 bar, for the use with oil and antifreeze.



Art.no. **50601**

Wall-mounted dispensing bar for oil, equipped with: pneumatic rotary gear pump art.no. 31221OT with wall bracket, suction hose, digital flow meter, spring operated spigot.

Art. no.	Weight	Dimensions (LxWxH) (mm)
50601	13 kg	500x300x600

Art.no. **50607**

Wall-mounted oil/antifreeze dispensing unit equipped with 3 lever taps with automatic non-drip function. 3/4" BSP fittings (F). Cans optional.

Art. no.	Weight	Dimensions (LxWxH) (mm)
50607	11 kg	500x300x500



Art.no. **49721**

Oil dispensing kit, suitable for the dispensing of 2 oil types from 208 l – drums, with spill containment pallet, consisting of:

- Tank Service Base for 2 drums of 208 l, art. no. 49730, with metal mounting rack;
- 2 pcs. of pneumatic 1:1 – oil pumps, art. no. 31237;
- 2 pcs. of suction tube with bung adapters for drums, art. no. 22071FE;
- 2 pcs. of suction hoses for connection pump – suction tube, art. no. 31258;
- 1 pc. of wall-mounted dispensing bar, art. no. 50606, equipped with 2 spigots, art. no. 40450;
- 2 pcs. of pressure regulators and air filter with moisture separator, art. no. 40360;
- 2 pcs. of connection hoses for the connection of pump and dispensing bar.

Optional:

- 2 plastic or tin plate measures (see page 51) or plastic cans.



Art.no. **31275**

Wall-mounted dispensing bar, suitable for oil and antifreeze, with included 12 VDC – electric oil pump, electronic oil flow meter and ticket printer. This unit is a compact solution offering the possibility of a continuous control of dispensing data through an integrated ticket printer.

The dispensing bar is composed of:

- Metal oil bar cabinet in painted steel with drain valve for drip tray,
- Electric 12 VDC – oil pump.
- Electronic oval gears flow meter, series “BLC”, with backlit feature, art.no. 15955,
- Thermal ticket printer which allows to print the essential data of each dispense,
- Electric transformer/stabilizer 230 VAC – 12 VDC for the power supply.
- Spring-operated spigot with splash guard filter, art.no. 40450,
- 1,5 m – rubber suction hose with connections 1” BSP (F), art.no. 31258,
- Non-return suction foot valve with connection 1” BSP (M), art.no. 71501.

Optional: plastic or tin plate measures and plastic cans are available as accessories on demand.



Art.no. **50974**

Graduated measure, in high density polyethylene. Capacity 2 l.
Available in different capacities on request

Art.no. **50975**

Graduated measure, in high density polyethylene, with funnel type outlet and flexible extension. Capacity 2 l.



Art.no. **51380-P**

Pump-action polyethylene oil can, 250ml capacity, with flexible extension.

Art.no. **51370**

Pump-action steel oil can, 500ml capacity, with flexible extension.

Art.no. **51370-P**

Pump-action polyethylene oil can, 500ml capacity, with flexible extension.



Art.no. **51340**

Art.no. **51300**

Suction gun, single acting, capacity 800 ml, Ø tube 57 mm, with flexible outlet. Suitable for the use with oil, fuel, antifreeze and windshield washer fluid.

Art.no. **51240**

Art.nos. **51240 - 51340**

Suction gun, in brass, single acting, Ø tube 50 mm, with straight rigid outlet. Suitable for the use with oil, fuel, antifreeze and windshield washer fluid.

Art.no. **51300**

Art.no. 51240 capacity 500 ml

Art.no. 51340 capacity 1000 ml

oil



Art.no. **31236**

Stationary pneumatic oil dispensing kit for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- 3 m - rubber hose Ø 1/2", art. no. 31003;
- Oil control gun with 1/2" BSP (M) inlet swivel, rigid outlet and automatic anti-drip nozzle, art. no. 14101;
- Pressure regulator and air filter with moisture separator, art. no. 40360.



Art.no. **31856**

Stationary pneumatic oil dispensing kit with electronic oil flow meter, for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- 3 m - rubber hose Ø 1/2", art. no. 31003;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- Pressure regulator and air filter with moisture separator, art. no. 40360.



Art.no. **35236**

Stationary pneumatic oil dispensing kit for 208 l - drums, consisting of:

- Pneumatic double acting 5:1 - oil pump, art. no. 31235;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- 3 m - rubber hose Ø 1/2", art. no. 31003;
- Oil control gun with 1/2" BSP (M) inlet swivel, rigid outlet and automatic anti-drip nozzle, art.no. 14101;



Art.no. **35856**

Stationary pneumatic oil dispensing kit with electronic oil flow meter, for 208 l - drums, consisting of:

- Pneumatic double acting 5:1 - oil pump, art. no. 31235;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- 3 m - rubber hose Ø 1/2", art. no. 31003;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;

Kit 31240KIT

Stationary pneumatic oil dispensing kit, for 208 l - drums, consisting of:

- Pneumatic simple acting 5:1 - oil pump, art. no. 31250;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Open hose reel, standard series, art. no. 37115;
- 15 m – rubber hose Ø 1/2", art. no. 31015;
- 2 m – rubber connection hose Ø 1/2", art. no. 31002;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- Pressure regulator and air filter with moisture separator, art. no. 40360.

OPTIONAL

- Wall mounted gun holder with drip tray, art. no. 50605;
- Pivoting wall bracket for hose reel, art. no. 39535 (only suitable for single installations);
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number.



Kit 31260KIT

Stationary pneumatic oil dispensing kit, for 208 l – drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Open hose reel, adjustable arms series, art. no. 37115B;
- 15 m – rubber hose Ø 1/2", art. no. 31015;
- 2 m – rubber connection hose Ø 1/2", art. no. 31002;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- Pressure regulator and air filter with moisture separator, art. no. 40360.

OPTIONAL

- Wall mounted gun holder with drip tray, art. no. 50605;
- Pivoting wall bracket for hose reel, art. no. 39535 (only suitable for single installations);
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number.



Kit 31250KIT

Stationary pneumatic oil dispensing kit, for 208 l – drums, consisting of:

- Pneumatic simple acting 5:1 - oil pump, art. no. 31250;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Enclosed hose reel, art. no. 35300;
- 15 m – rubber hose Ø 1/2", art. no. 31015;
- 2 m – rubber connection hose Ø 1/2", art. no. 31002;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- Pressure regulator and air filter with moisture separator, art. no. 40360.

OPTIONAL

- Wall mounted gun holder with drip tray, art. no. 50605;
- Pivoting wall bracket for hose reel, art. no. 39507 (only suitable for single installations);
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number.



Kit 31270KIT

Stationary pneumatic oil dispensing kit, for 208 l – drums, consisting of:



- 3 pcs. of pneumatic double acting 3:1 - oil pumps, art. no. 31233;
- 3 pcs. of plastic bung adapters for the fixation of pumps on drums, art. no. 065420;
- 3 pcs. of enclosed hose reels, art. no. 35300;
- 3 pcs. of 15 m – rubber hoses 1/2", art. no. 31015;
- 1 pc. of 3 m – rubber connection hose 1/2", art. no. 31003;
- 1 pc. of 4 m – rubber connection hose 1/2", art. no. 31004;
- 1 pc. of 5 m – rubber connection hose 1/2", art. no. 31005;
- 3 pcs. of electronic flow meters for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- 3 pcs. of wall mounted gun holders with drip tray, art. no. 50605;
- 3 pcs. of pressure regulators and air filters with moisture separators, art. no. 40360
- 4 pcs. of plastic casing elements for hose reel battery, art. nos. 35310, 35320, 35330;
- 1 pc. of mounting panels for hose reels, art. no. 49717;
- 3 pcs. metal counter brackets with fixing screws art. no. 35340.

OPTIONAL

- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number!

oil



Art.no. **31370**

Mobile pneumatic oil dispensing kit with electronic oil flow meter, for 60 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31234;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Trolley with 4 wheels, art. no. 80722;
- 3 m – rubber hose Ø 1/2", art. no. 31003;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- Pressure regulator and air filter with moisture separator, art. no. 40360.

Art. no.	Weight	Dimensions (LxWxH) (mm)
31370	29 Kg	600x600x1050

Art.no. **31365**

Mobile pneumatic oil dispensing kit with electronic oil flow meter, for 60 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31234;
- Trolley with 4 wheels, art. no. 80722;
- 3 m – rubber hose Ø 1/2", art. no. 31003;
- Oil control gun with 1/2" BSP (M) inlet swivel, rigid outlet and automatic anti-drip nozzle, art.no. 14101;
- Pressure regulator art.no. 40400.



Art. no.	Weight	Dimensions (LxWxH) (mm)
31365	29 Kg	600x600x1050

Art.no. 31480

Mobile pneumatic oil dispensing kit with standard trolley, for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Trolley with 4 wheels, art. no. 80785;
- 3 m - rubber hose \varnothing 1/2", art. no. 31003;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- Pressure regulator and air filter with moisture separator, art. no. 40360.



Art.no. 31481

Mobile pneumatic oil dispensing kit, such as art. no. 31480, but with oil control gun, art. no. 14101, without oil flow meter and without pressure regulator and air filter with moisture separator, art. no. 40360.



Art.no. 31481

Art. no.	Weight	Dimensions (LxWxH) (mm)
31480	32 Kg	900x830x1400
31481	30.5 Kg	900x830x1400

Art.no. 50460

Oil dispensing unit for 60L drums, composed of:

- Hand-operated pump, art.no. 50806
- Trolley for 60L drums, art.no. 80722.



Art. no.	Weight	Dimensions (LxWxH) (mm)
50460	29 Kg	630x200x640

oil



Art.no. 80794

Mobile pneumatic oil dispensing kit, for 208 l – drums, with heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Heavy duty trolley with 4 wheels and grate, art. no. 80792;
- 3 m – rubber hose Ø 1/2", art. no. 31003;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- Pressure regulator, air filter with moisture separator and lubricator, art. no. 40300.

Art. no.	Weight	Dimensions (LxWxH) (mm)
80794	42 Kg	790x900x1400



Art.no. 50924

Air-operated oil dispensing unit on wheeled 65L tank, complete with level indicator. The unit is composed of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31234 ;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- 4-wheeled tank with 65L capacity
- 3 m – rubber hose Ø 1/2", art. no. 31003;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950 ;

Art.no. 50928

Unit based on art.no. 50924 with 80L capacity tank.

Art. no.	Weight	Dimensions (LxWxH) (mm)
50924	30 Kg	570x480x1040
50928	40 Kg	570x480x1140

Art.no. **80793**

Mobile pneumatic oil dispensing kit, for 208 l – drums, with hose reel and heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Heavy duty trolley with 4 wheels and grate, art. no. 80792;
- Open hose reel, art. no. 37115;
- 15 m – rubber hose Ø 1/2", art. no. 31015;
- 1 m – rubber connection hose Ø 1/2", art. no. 31001;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- Pressure regulator, air filter with moisture separator and lubricator, art. no. 40300.

Optional accessory: hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number.



Art. no.	Weight	Dimensions (LxWxH) (mm)
80793	86 Kg	790x900x1400

Art.no. **49750CA**

Mobile spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of 208 l - drums, for the mobile lubricant supply. Equipped with 4 castors with brake as well as with tubular frame handle for a convenient transport even in areas of reduced space.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
49750CA	2 drums 208 l	340 l	83 kg	850x1340x1170

MID MI-005
Approved



Art.no. **80797**

Mobile electric oil dispensing kit, for 208 l – drums, with hose reel and heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, with air separator kit, **approved for fiscal transactions** according to the European Directive 2014/32/EU, better known as **Measurement Instrument Directive MID MI-005**, consisting of:

- Electric, self-priming 230 VAC gear pump for the supply of oil, art. no. 70898;
- Air separator kit with automatic pump stop device, patented, (stopping the pump as soon as air is sucked into the suction line due to an empty drum or tank), **approved according to OIML R117-1**, art.no. 33301;
- Control box with push button and electric connection cable;
- Double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, Directive 2014/32/EU**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15899;
- Heavy duty trolley with 4 wheels and grate, art. no. 80792;
- 3 m – rubber hose Ø 1/2", art. no. 31003;
- Suction tube in galvanized steel, Ø 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve, art. no. 22071FE;
- 1.5 m - rubber suction hose 1", connections 1" BSP (F-F), art. no. 2205.

The configuration of components in this kit meets with all metrological standards and requirements concerning accuracy defined in the **Directive MID MI-005** and can be used therefore as approved system also in fiscal transactions.

Art. no.	Weight	Dimensions (LxWxH) (mm)
80797	90 Kg	790x900x1400

Art.no. **80799**

Mobile electric oil dispensing kit, for 208 l – drums, with hose reel and heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, consisting of:

- Electric, self-priming 230 VAC gear pump for the supply of oil, art. no. 33800;
- Control box with push button and electric connection cable;
- Double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- Heavy duty trolley with 4 wheels and grate, art. no. 80792;
- 3 m – rubber hose Ø 1/2", art. no. 31003;
- Suction tube in galvanized steel, Ø 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve, art. no. 22071FE;
- 1.5 m - rubber suction hose 1", connections 1" BSP (F-F).

Art.no. **80798**

Dispensing unit as art. no. 80799 but with pump at 110 VAC art. no. 33810.



Art. no.	Weight	Dimensions (LxWxH) (mm)
80799	90 Kg	790x900x1400
80798		

oil



Kit 98210

Pneumatic oil dispensing kit, for the installation on top of 1000 l – IBC -tanks, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31233-130;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Open hose reel, standard series, art. no. 37115;
- 15 m – rubber hose Ø 1/2", art. no. 31015;
- 1 m – rubber connection hose Ø 1/2", art. no. 31001;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- Pressure regulator and air filter with moisture separator, art. no. 40360;
- Dispensing nozzle holder with drip tray, art. no. 50605;
- Metal mounting frame, art. no. 39540.

Kit 98250

Same as art. no. 98210, but including an empty 1000 l - IBC – tank, art. no. 49600.



Kit 98250

OPTIONAL

Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number!

Kit 98208

Pneumatic oil dispensing kit, for the installation on the side of 1000 l – IBC -tanks, consisting of:

- Pneumatic single acting 5:1 - oil pump, art. no. 31251;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Pressure regulator with manometer, art. no. 40400;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- 3 m – rubber hose Ø 1/2", art. no. 31003;
- Suction hose 1" with connection adapter for IBC – tanks;
- Metal mounting bracket, art. no. 39540.



Kit 98212

Pneumatic oil dispensing kit, for the installation on the side of 1000 l – IBC –tanks. Same components as art. no. 98208, but with pneumatic 6:1 – single acting oil pump, series Tapir, delivery of 32 l/min.



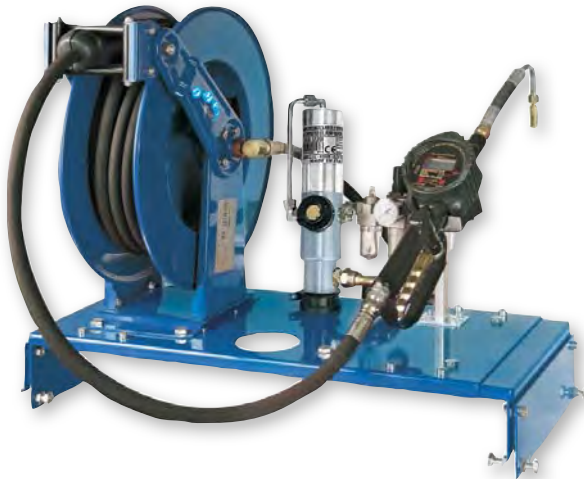


Kit 33750KIT

Stationary electric oil dispensing kit, for 208 l – drums, approved for fiscal transactions according to the **European Directive 2014/32/EU**, better known as **Measurement Instrument Directive MID MI-005**, consisting of:

- Electric, self-priming 230 VAC gear pump for the supply of oil, art. no. 70898 with electric connection cable;
- Double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- Wall bracket in painted steel, for the fixation of the pump;
- 1.5 m - rubber suction hose 1", connections 1" BSP (F-F), art. no. 31258;
- Air separator kit, art. no. 33250, patented, **approved according to OIML R117-1**;
- Manometer for outlet pressure control;
- Open hose reel, standard series, art. no. 37115B;
- 2 m – rubber connection hose Ø 1/2", art. no. 31002;
- Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, Directive 2014/32/EU**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15899;
- Wall mounted gun holder with drip tray, art. no. 50605.

The configuration of components in this kit meets with all metrological standards and requirements concerning accuracy defined in the **Directive MID MI-005** and can be used therefore as approved system also in fiscal transactions.



Art.no. 98211

Oil dispensing kit for installation on top of double-wall steel tanks composed of:

- Pneumatic single acting 5:1 - oil pump, art. no. 31251;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Pressure regulator and air filter with moisture separator, art. no. 40360.
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950 ;
- 5 m – rubber hose Ø 1/2", art. no. 31005;
- Adjustable steel bracket art.no. 39540RE;
- Hose reel art.no. 37115B;
- 15 m – rubber hose Ø 1/2", art. no. 31015;



Art.no. 50605

Wall mounted gun holder with drip tray.

Pneumatic oil dispensing kits for 1 or 2 oil types. The use of the included spill containment pallet with metal mounting rack allows to create quickly an autonomous dispensing unit that can be put in any place of the workshop. Also it can be moved at any time if it becomes necessary.

oil



Kit 49718

Stationary pneumatic oil supply station, for 208 l – drums, consisting of:

- Tank Service Base for 1 drum of 208 l, art. no. 49710, with metal mounting rack;
- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Open hose reel, standard series, art. no. 37115;
- 15 m – rubber hose Ø 1/2", art. no. 31015
- 2 m – rubber connection hose Ø 1/2", art. no. 31002
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- Pressure regulator and air filter with moisture separator, art. no. 40360.

Art. no.	Weight	Dimensions (LxWxH) (mm)
49718	114 Kg	830x880x2360

Kit 49720

Stationary pneumatic oil supply station, for 2 x 208 l - drums, consisting of:

- Tank Service Base for 2 drums of 208 l, art. no. 49730, with metal mounting rack;
- 2 pcs. of pneumatic double acting 3:1 - oil pumps, art. no. 31233;
- 2 pcs. of plastic bung adapters for the fixation of pumps on drums, art. no. 065420;
- 2 pcs. of open hose reels, standard series, art. no. 37115;
- 2 pcs. of 15 m – rubber hoses 1/2", art. no. 31015;
- 2 pcs. of 2 m – rubber connection hoses 1/2", art. no. 31002;
- 2 pcs. of electronic flow meters for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- 2 pcs. of pressure regulators and air filters with moisture separators, art. no. 40360.



Art. no.	Weight	Dimensions (LxWxH) (mm)
49720	182 Kg	1350x880x2360

Pneumatic oil dispensing kits for 1 or 2 oil types. The use of the included spill containment pallet with metal mounting rack allows to create quickly an autonomous dispensing unit that can be put in any place of the workshop. Also it can be moved at any time if it becomes necessary.

Kit 49770



Pneumatic oil dispensing and storage cabinet, one drum - version, for 208 l – drums, consisting of:

- Tank Service Base for 1 drum of 208 l, art. no. 49710;
- Metal, lockable cabinet for 1 drum of 208 l, art. no. 49910;
- Pneumatic double acting 5:1 - oil pump, art. no. 31240;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Open hose reel, standard series, art. no. 37115;
- 15 m – rubber hose Ø 1/2", art. no. 31015;
- 2 m – rubber connection hose Ø 1/2", art. no. 31002;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, flexible outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- Pressure regulator and air filter with moisture separator, art. no. 40360.



Art. no.	Weight	Dimensions (LxWxH) (mm)
49770	230 Kg	830x880x2360

Kit 49760



Pneumatic oil dispensing and storage cabinet, 2 drums - version, for 208 l – drums, consisting of:

- Tank Service Base for 2 drums of 208 l, art. no. 49730;
- Metal, lockable cabinet for 2 drums of 208 l, art. no. 49900;
- 2 pcs. of pneumatic double acting 5:1 - oil pumps, art. no. 31240;
- 2 pcs. of plastic bung adapters for the fixation of pumps on drums, art. no. 065420;
- 2 pcs. of open hose reels, standard series, art. no. 37115;
- 2 pcs. of 15 m – rubber hoses 1/2", art. no. 31015;
- 2 pcs. of 2 m – rubber connection hoses 1/2", art. no. 31002;
- 2 pcs. of electronic flow meters for oil, with control gun, rubber protection guard, trigger guard, flexible outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 15950;
- 2 pcs. of Pressure regulators and air filters with moisture separators, art. no. 40360.



Art. no.	Weight	Dimensions (LxWxH) (mm)
49760	290 Kg	1350x880x2360

Mounting shelves consisting of spill containment pallets, series Tank Service Base, and special mounting racks for equipment. These units are used:

- to create lubrication units according to the individual requirements;
- to achieve autonomous units that can easily be transported with a pallet truck or forklift and can be put at any place of a workshop;
- to avoid the pollution of the surrounding environment in case of eventual leakages, thanks to the included spill containment pallet.

Kit 49710

Mounting shelf, consisting of:

- spill containment pallet for 1 drum of 208 l, art. no. 49740;
- 2 pcs. of steel posts, art. no. 49715;
- 2 pcs. of steel panels, art. no. 49716.



Art. no.	Weight	Dimensions (LxWxH) (mm)
49710	57.5 Kg	830x880x2300

Kit 49730

Mounting shelf, consisting of:

- spill containment pallet for 2 drums of 208 l, art. no. 49750;
- 2 pcs. of steel posts, art. no. 49715;
- 2 pcs. of steel panels, art. no. 49717.



Art. no.	Weight	Dimensions (LxWxH) (mm)
49730	109 Kg	1350x830x2300

According to the regulations the storage of lubricant or fuel drums in industrial or workshop environments requires suitable containers which can collect the fluids in case of eventual leakages and prevent that those can pollute the surrounding environment.

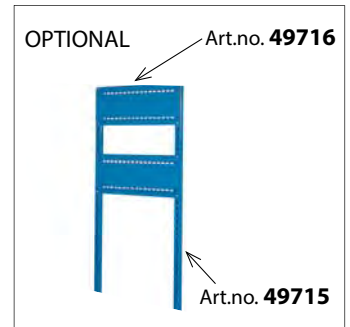
The series TANK SERVICE BASE has been designed:

- to serve as a containment for eventually leaking fluids;
- to facilitate the transport of the drums;
- to create autonomous and easy-to-handle oil supply units.

Art.no. **49740**

Tank Service Base 200

Spill containment pallet in painted steel, with pallet feet, suitable for the storage of 1 drum of 208 l. Prepared for the installation of a mounting rack consisting of steel posts (art. no. 49715) and steel panels (art. no. 49716) suitable for the installation of equipment.

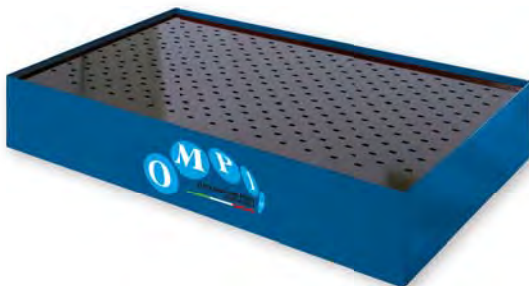


Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
49740	1 drum of 208 l	229 l	55 kg	920x830x340

Art.no. **49750-SE**

Tank Service Base 400

Spill containment pallet in painted steel, suitable for the storage of 2 drums of 208 l. Economic version without possibility of installing a mounting rack on it and without pallet feet for the transport with pallet truck. Transport can be done by forklift.

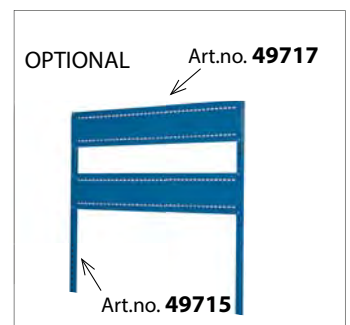


Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
49750-SE	2 drums of 208 l	324 l	68 Kg	1350x830x305

Art.no. **49750**

Tank Service Base 400

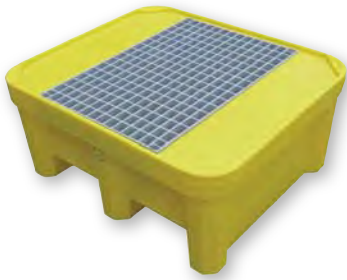
Spill containment pallet in painted steel, with pallet feet, suitable for the storage of 2 drums of 208 l. Prepared for the installation of a mounting rack consisting of steel posts (art. no. 49715) and steel panels (art. no. 49717) suitable for the installation of equipment.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
49750	2 drums of 208 l	324 l	69 Kg	1350x830x340

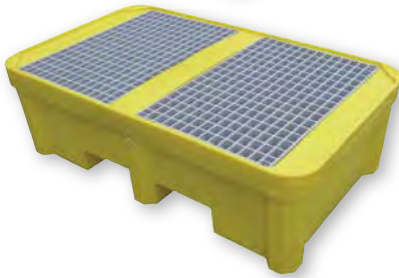
Storage tank printed in single high density polyethylene block; with U.V. treatment and ISO 9200 certification. Compatible with a large number of chemical products high safety and resistance, rot proof and easy to handle. Colours available: yellow high-visibility or black anti-drop.

oil



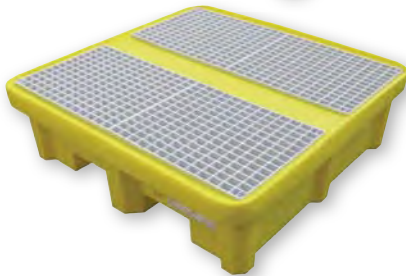
Art.no. **49795**

Polyethylene containment tank for 1x220L drum, containment capacity 225L.



Art.no. **49796**

Polyethylene containment tank for 2x220L drums, containment capacity 305L.



Art.no. **49797**

Polyethylene containment tank for 4x220L drums, containment capacity 500L.



Art.no. **49800**

Polyethylene containment tank; containment capacity 1050L.

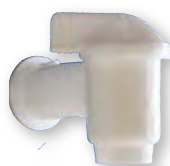


Art.no. **49804**

Polyethylene container for secure storage of metal drums.



Art.no. **40452**



Art.no. **40451**
Art.no. **40453**

Art.no. **40451**

Gravity cock, in polyethylene, connection thread 3/4" BSP (M), with manual shut-off valve, suitable for the use with horizontally placed drums of 60 l or 208 l.

Art.no. **40452**

Gravity cock, in brass, connection thread 3/4" BSP (M), with automatic shut-off valve, suitable for the use with horizontally placed drums of 60 l or 208 l.

Art.no. **40453**

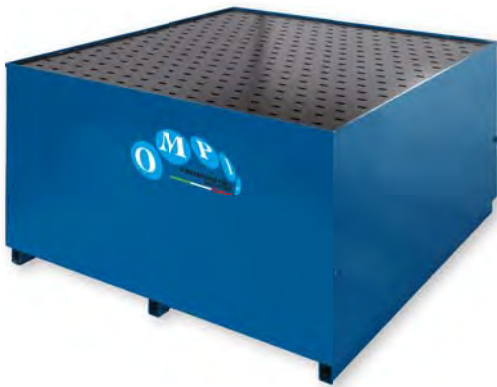
Gravity cock, in polyethylene, connection thread 2" BSP (M), with manual shut-off valve, suitable for the use with horizontally placed drums of 208 l.



Art.no. **40454**

Art.no. **40454**

Gravity cock, in aluminium, connection thread 2" BSP (M), with manual shut-off valve, suitable for the use with horizontally placed drums of 208 l.



Art.no. **49780**

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of one 1000 l – IBC – tank.

Art.no. **49780-SP**

Same as art. no. 49780, but suitable for the mounting of posts (art. no. 49715) and panels (art. no. 49717) for the installation of any equipment.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
49780	1 IBC-tank of 1000 l	1110 l	155 Kg	1220x1320x710

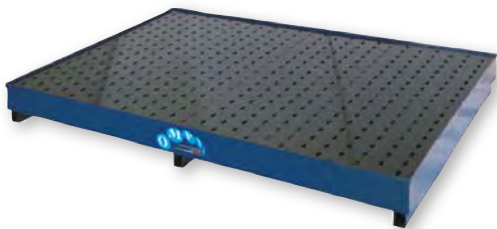


Art.no. **49790**

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of two 1000 l – IBC – tanks.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
49790	2 IBC-tanks of 1000 l	1250 l	190 Kg	1500x2200x380



Art.no. **49791**

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of up to 4 drums of 208 l.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
49791	4 drums of 208 l	356 l	120 Kg	1780x1250x180



Art.no. **72005**

Heating belt for 208 l – drums, 230 VAC, 1 kW, in siliconized and vulcanized, stretchable fabric, including thermostat and 1.5 m – connection cable.

Art.no. **72004**

Heating belt for 30 kg – drums, 230 VAC, 1 kW, in siliconized and vulcanized, stretchable fabric, including thermostat and 1.5 m – connection cable.

Art. no.	Operating temperature	Min. isolating wall thickness of heated drum	Voltage	Power	Dimensions (LxWxH) (mm)
72005	+ 30°C / + 180°C	0.4 mm	230 V	1000 W	1100x100
72004					980x75

FLUID KEEPER is a modular monitoring system which allows to control up to 16 different oil types, antifreeze, windshield washer fluid, AdBlue®/DEF/AUS32 or other compatible fluids and up to 64 different dispensing points.

Each dispense of a lubricant made by the operators is electronically registered, transmitted to a PC and administrated in a Windows® – based programme.

The level of each container is automatically and continuously updated and a message is sent if the (predetermined) minimum level has been reached in a container or the system is blocked if another (predetermined) “stop” level has been reached.

In order to make a dispense the operator must:

- enter his personal 4 – digits – identification code;
- enter the internal job order number;
- indicate the vehicle registration number;
- select the oil type;
- enter the quantity to be dispensed.

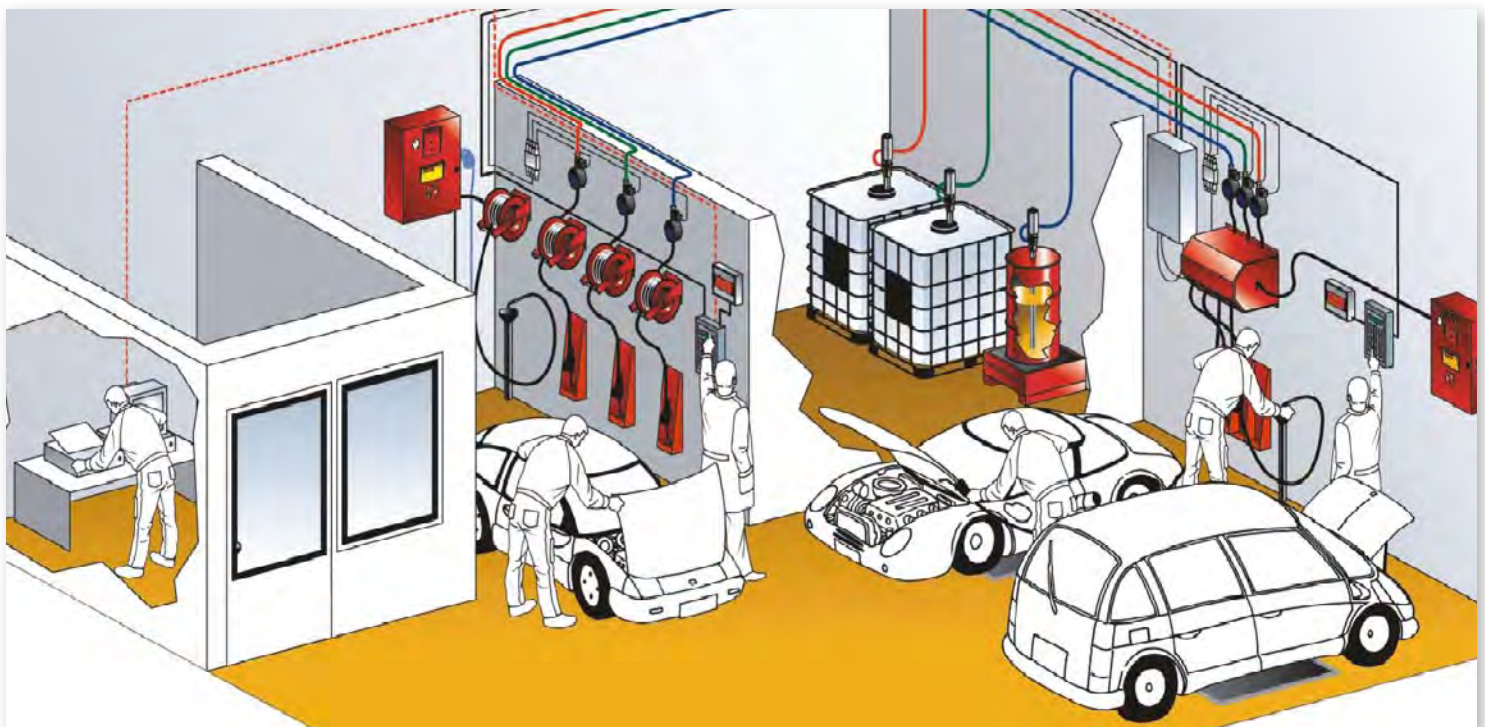
After a short waiting period (predetermined) which allows the operator to take the corresponding control gun, it is possible to start the dispense by pulling the trigger. When the preset quantity has been reached the system automatically stops the dispense.

If the preset dispensing quantity should be higher than the really required quantity, it is possible to interrupt the dispense by releasing the trigger of the control gun. The system will automatically register eventual differences between the preset and the really dispensed quantity and transmit to the PC only the effective dispensing data.

All data can be extracted and printed out in periodical statistics based on operator, job order number, date, oil type, container or vehicle.

Furthermore the system permits the extension with additional components (optional), such as:

- ticket printer for a report on each individual dispense;
- bar code reader for scanning the data of each transaction;
- security sensors detecting the internal pressures of the pipework;
- remote displays for the visualization of the dispensed quantity.

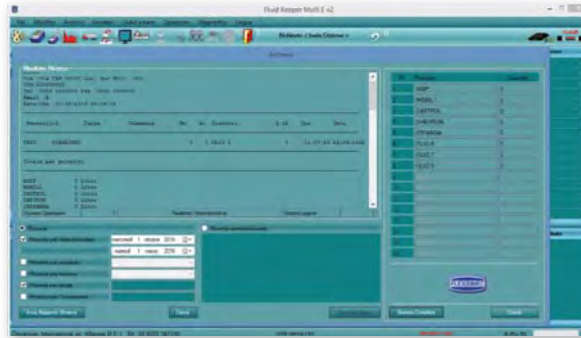


An intuitive software allows the easy system configuration and the full monitoring of all activities, permitting an over time analysis of the consumptions of the various fluids.

The menu allows querying a database that includes the history of all transactions done by each operator.

Through a series of customizable filters the research allows the visualization of the data requested:

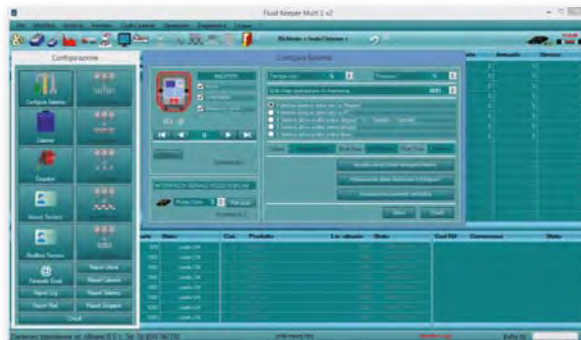
- Date range
- Search by product
- Search by operator
- Search by number plate
- Search by job number



Simultaneously it displays the updated inventory values of the connected tanks and/or drums for each type of fluid.

In the settings menu you can select the operating mode of use:

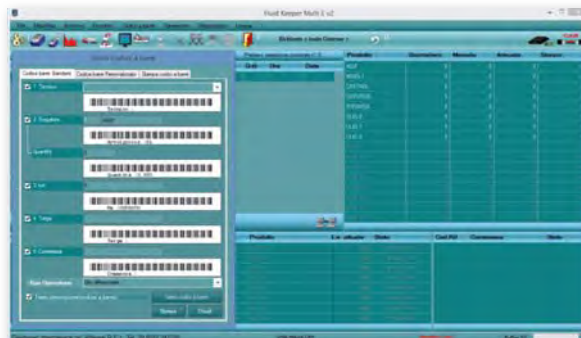
- Free dispense (i.e. no dispensable quantity preselected)
- Dispense of a predetermined quantity
- Dispense based on an job list of previously entered jobs
- Authorization of the dispense optionally or only from PC, or only from control unit or from both
- Individual setting.



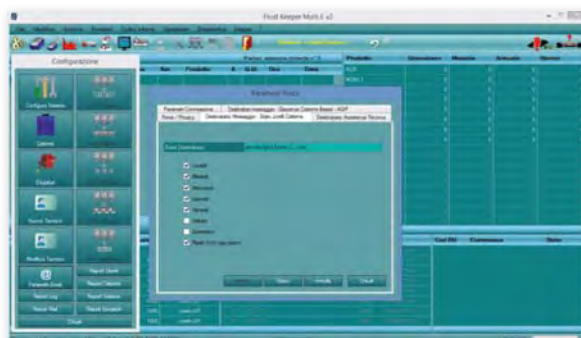
At the same time all totals of the dispensed quantities for each type of fluid are displayed, divided by:

- Daily dispensed volume
- Monthly dispensed volume
- Total volume

The system permits that complete jobs and also individual input fields are preset by the workshop or spare parts depot manager. They can be activated then by the operator using a barcode reader. When the job is completed it will be stored and can then also be repeated for subsequent transactions or such a repetition can be blocked in order to avoid any fraudulent use.



The input field "Email parameters" allows to set an automatic email transmission of the current tank or drum level values to one or more e-mail addresses in order to enable a constant inventory control.



The text in the email message is customizable and can automatically be sent to the various suppliers of lubricants once a preset minimum level in the tanks or drums has been reached to assure like that a constant availability of the required fluids.

The system **FLUID KEEPER 8** offers plenty of additional functions compared to the basic version. These are:

- Each control unit allows the monitoring of up to 8 dispensing points and the simultaneous dispense of lubricants in various of them;
- On the connected PC the required measuring unit (liters, gallons, pints, quarts) can quickly be chosen;
- Data entry with a bar code reader (optional) helps to avoid possible errors and to increase operations velocity;
- Wide monitoring of dispensing jobs and dispensing quantities: preset, free or serial mode;
- Management of suppliers: possibility to automatically send emails when predefined minimum levels in lubricants storage tanks have been reached; the operator can send emails to different email addresses and to different suppliers;
- Intuitive graphical interface software.

Monitoring

Art.no. **7600KIT**

Art.no. **7600KIT**

Configuration of FLUID KEEPER for 8 dispensing points.



Art.no. **75880**

Meter with single-channel pulse transmitter and 24VDC solenoid valve, to be fitted close to each individual fluid dispensing point.

Art.no. **7600L**

Control unit **FLUID KEEPER 8** with alphanumeric keyboard and display. Includes an internal memory. One control unit is necessary per 8 dispensing points and allows also simultaneous dispensing in various dispensing points. There can be installed up to 8 control units in the system.

Art.no. **75070**

Transformer / stabilizer 110-230 VAC – 24 VDC, 7,5 A, IP 55, for the power supply of the control unit art. no. 7600L, with protection of internal components in case of voltage fluctuations.

One transformer / stabilizer is necessary for each control unit.

Art.no. **75460**

Junction box for connecting pulsemeter to control unit.
1 box for each electronic control unit.

Art.no. **75200**

Thermal printer (optional), can be connected to the CANBUS of the control unit. Required for printing a ticket of each individual dispense.



Art.no. **71980-S**

FLUID KEEPER 8 monitoring software for Windows® operating systems + interface unit with 230 VAC power supply module, cable and plug.

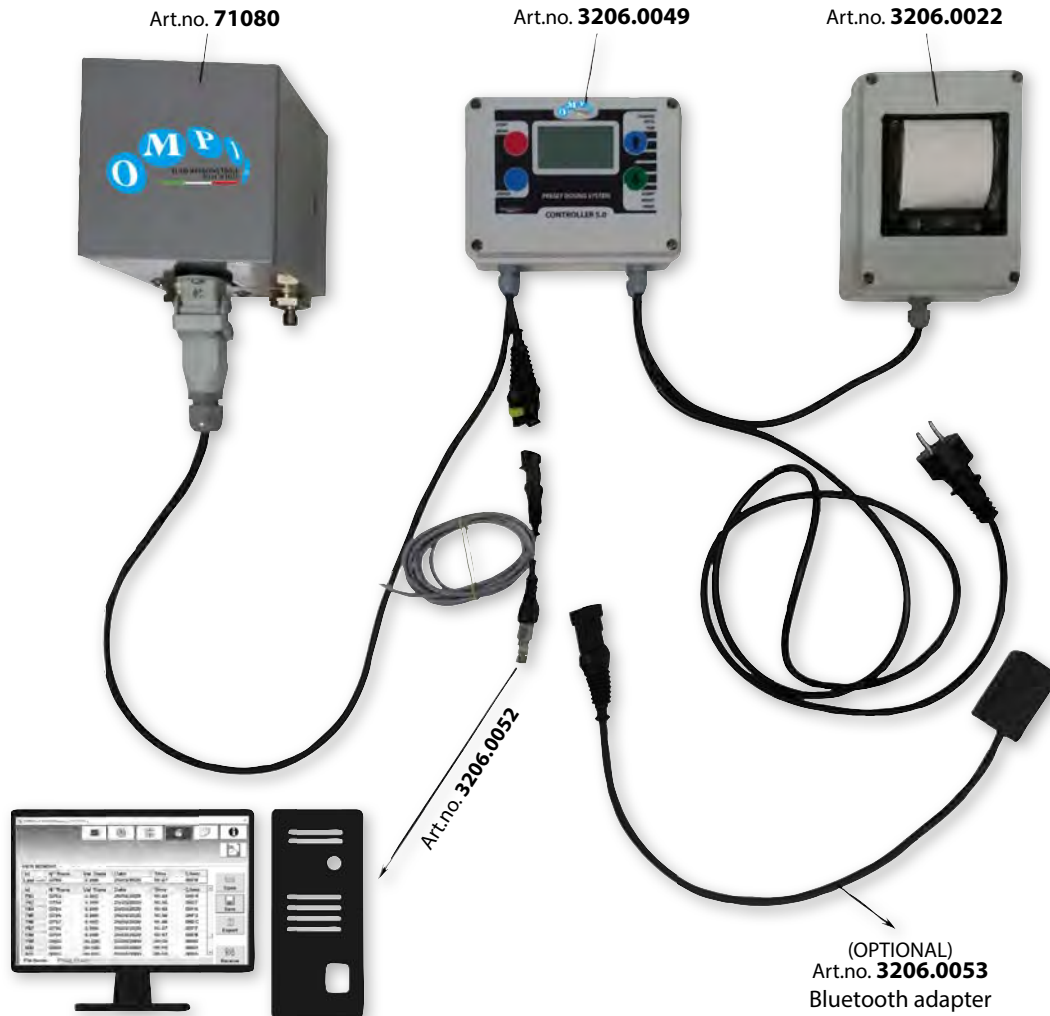
One software and interface unit is necessary for the complete system.



The electronic dosing system **CONTROLLER 5.0** allows the dosage of different, preset quantities of a fluid lubricant.

It is particularly suitable in applications where a continuous accuracy in the dosage is required such as in industrial production systems with automated, constant and continuous dispenses of oil.

The dosing system includes also a timer and a data memory of the dispensed quantities.



Kit 75300

This dosing kit includes:

- 1 pc. CONTROLLER 5.0, art.no. 3206.0049;
- 1 pc. Electronic oval gears flow meter with pulse transmitter and solenoid valve, art.no. 71080; high pressure for grease
- 1 pc. Thermal printer, art.no. 3206.0022
- n.1 USB adapter mod. 3206.0052

Kit 75350

This dosing kit includes:

- 1 pc. CONTROLLER 5.0, art.no. 3206.0049;
- 1 pc. Electronic oval gears flow meter with pulse transmitter and solenoid valve, art.no. 71080 for oil;
- 1 pc. Thermal printer, art.no. 3206.0022
- n.1 USB adapter mod. 3206.0052

Art.no. 3206.0049

Electronic dosing unit **CONTROLLER 5.0**.

Technical features:

- big graphic backlit display;
- bi-directional, serial and cable-based communication with connected printers or PC through USB and serial connections;
- watch with buffer battery;
- storage of the following dispenses data: quantity, ID, date, time;
- integrated power supply 110/230 VAC – 24 VDC;
- possibility of calibration;
- default dispense activation button;
- new dispense quantity selection button.

Art.no. 3206.0022

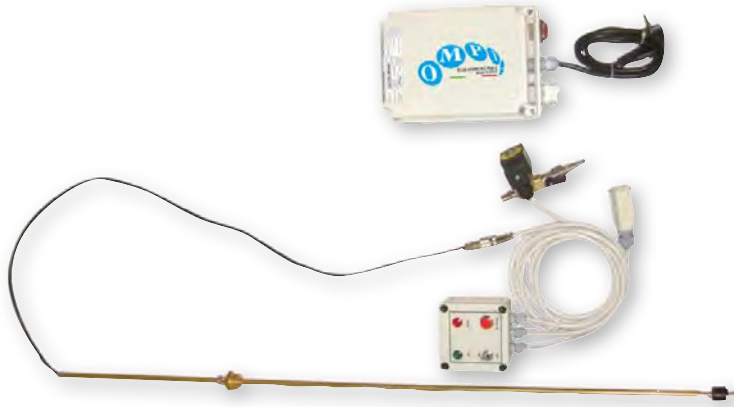
Thermal printer, can be connected to the CAN BUS of the control unit. Required for printing a ticket of each individual dispense.

Art.no. 71080

Electronic oval gears flow meter with pulse transmitter, connections 1/2" BSP (F), suitable for oil, diesel and antifreeze, including a 24 VDC - solenoid valve, an in-line 150 µm cartridge filter and a wall bracket.

The level gauges of series PUMPSTOP are suitable for the use with all pneumatic oil pumps. They stop the pump when the oil in a container is going to run out and like that prevent air to enter into the system which would create a mixture of oil and air that would cause wrong measurement results of the connected flow meters.

The kit is composed of a probe with level sensor, a solenoid valve for the shut-off of the compressed air, a transformer / stabilizer for the power supply and a warning light with horn (for art. nos. 31310). The probe is inserted into a drum through its 3/4" – opening and is also fixed there (in case of tanks using a suitable 3/4" – 2" adapter). When the minimum oil level is reached, an electric impulse is transmitted to the solenoid actuated shut-off valve which interrupts the compressed air supply, stops immediately the pneumatic oil pump and activates an acoustical and optical alarm.



Art.no. **31320KIT**

PUMPSTOP

Low level pump stop kit, composed of:

- level probe, suitable for the use in 208 l – drums and 1000 l - IBC - tanks, length 1200 mm;
- ON-OFF switch;
- bypass push button which allows to continue the oil flow again after it has been stopped;
- solenoid-actuated shut-off valve for the compressed air;
- transformer / stabilizer 110-230 VAC – 24 VDC;
- electric connection cable, length 2 m.



Art.no. **31310**

PUMPSTOP

Low level pump stop kit, composed of:

- level probe, suitable for the use in 208 l – drums and 1000 l - IBC - tanks, length 1200 mm;
- ON-OFF switch;
- warning light with horn;
- bypass push button which allows to continue the oil flow again after it has been stopped;
- solenoid-actuated shut-off valve for the compressed air;
- transformer / stabilizer 110-230 VAC – 24 VDC;
- electric connection cable, length 2 m.



Art.no. **90083**

Mobile waste oil gravity drainer, suitable for the use under lifts, with collection container of 80 l capacity, level gauge, two fixed wheels and two castors, with wide collection bowl in painted steel of 14 l capacity incl. removable anti splash grid, 1.6 m discharge hose.

OPTIONAL:

- metal crown drain adapter, permits to enlarge the collection diameter of the drain bowl (art. no. 90088).



Waste oil

Art. no.	Capacity collection bowl	Height adjustable	Capacity collection container	Max. collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
90083	14 l	1050-1600 mm	80 l	70 l	0.5 bar	28 Kg	504x460x1200



Art.no. **90088**

Metal crown drain adapter, permits the enlargement of the collection diameter of the drain bowl.



Waste oil suction units, consisting of a collection container with a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.

Art.no. **90020**

Mobile waste oil suction unit, with collection container of 24 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 81), suction adapters and storage bowl. The unit can be discharged manually by taking off the cap on top of the container.

Art.no. **90022**

Same as art. no. 90020, but the unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

Waste oil



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
90205	5x3 mm	0.25 l/min	1.05 l/min
90208	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
90020	0.8 bar	1.5 min	24 l	20 l	manual	10 Kg	390x360x940
90022	0.8 bar	1.5 min	24 l	20 l	0.5 bar	11 Kg	390x360x940

Art.no. **90030**

Mobile waste oil suction unit, with collection container of 80 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 81), suction adapters and storage bowl.

The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
90205	5x3 mm	0.25 l/min	1.05 l/min
90208	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
90030	0.8 bar	1.5 min	80 l	70 l	0.5 bar	28 Kg	504x460x900

Art.no. **90018**

Mobile waste oil suction unit, with collection container of 24 l capacity and transparent inspection chamber of 6.5 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 81), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the sucked oil. In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.



Waste oil

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
90205	5x3 mm	0.25 l/min	1.05 l/min
90208	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
90018	0.8 bar	1.5 min	24 l	20 l	0.5 bar	15 Kg	390x360x950

Art.no. **90096**

Mobile waste oil suction unit, with collection container of 80 l capacity and transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 81), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the sucked oil.

In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
90205	5x3 mm	0.25 l/min	1.05 l/min
90208	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
90096	0.8 bar	1.5 min	80 l	70 l	0.5 bar	32 Kg	504x460x1340

Combined units that can be used as waste oil gravity drainers, but also as waste oil suction units thanks to a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.

Waste oil



Art.no. **90080**

Mobile, combined waste oil drainer and suction unit, with collection container of 80 l capacity, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 81), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
90205	5x3 mm	0.25 l/min	1.05 l/min
90208	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
90080	0.8 bar	1.5 min	80 l	70 l	0.5 bar	32 Kg	460x510x1200



Art.no. **90095**

Mobile, combined waste oil drainer and suction unit, with collection container of 80 l capacity, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 81), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the sucked oil. In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
90205	5x3 mm	0.25 l/min	1.05 l/min
90208	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
90095	0.8 bar	1.5 min	80 l	70 l	0.5 bar	34 Kg	460x510x1500

Combined units that can be used as waste oil gravity drainers, but also as waste oil suction units. The suction process can be carried out by using a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it, or alternatively by the use of a pneumatic 1:1 – pump which is mounted at the side of the collection container. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply (unless the suction is made with the pneumatic pump).



Art.no. **90050**

Mobile, combined waste oil drainer and suction unit, with collection container of 80 l capacity, two fixed wheels and two castors, with pneumatic pump, wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 81), suction adapters and storage bowl.

The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
90205	5x3 mm	0.25 l/min	1.05 l/min
90208	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
90050	0.8 bar	1.5 min	80 l	70 l	0.5 bar	42 Kg	480x510x1400



Art.no. **90053**

Mobile, combined waste oil drainer and suction unit, with collection container of 80 l capacity, two fixed wheels and two castors, with pneumatic pump, wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 81), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the sucked oil. In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
90205	5x3 mm	0.25 l/min	1.05 l/min
90208	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
90053	0.8 bar	1.5 min	80 l	70 l	0.5 bar	44 Kg	460x510x1500

Combined units that can be used as waste oil gravity drainers under a lift or as low level drainers on the floor using the pantograph function, but also as waste oil suction units thanks to a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.

Art.no. **90081**

Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 80 l capacity, two fixed wheels and two castors, with rectangular collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 81), suction adapters and storage bowl. Suitable for the use with passenger cars and motorbikes. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

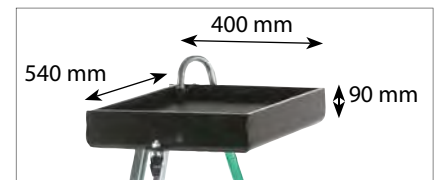


Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
90205	5x3 mm	0.25 l/min	1.05 l/min
90208	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
90081	0.8 bar	1.5 min	80 l	70 l	0.5 bar	43 Kg	630x650x1700

Art.no. **90079**

Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 80 l capacity, two fixed wheels and two castors, with rectangular collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 81), suction adapters and storage bowl. Suitable for the use with passenger cars and motorbikes. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube. The transparent inspection chamber allows to check the quality and the quantity of the sucked oil. In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
90205	5x3 mm	0.25 l/min	1.05 l/min
90208	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
90079	0.8 bar	1.5 min	80 l	70 l	0.5 bar	45 Kg	500x600x1500

Combined units that can be used as waste oil gravity drainers under a lift or as low level drainers on the floor using the pantograph function, but also as waste oil suction units thanks to a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.

Art.no. **90089**



Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 115 l capacity, two fixed wheels and two castors, with rectangular heavy duty collection bowl in painted steel of 50 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 81), suction adapters and storage bowl.

Suitable for the use with passenger cars, motorbikes or trucks. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Waste oil

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
90205	5x3 mm	0.25 l/min	1.05 l/min
90208	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
90089	0.8 bar	1.5 min	115 l	100 l	0.5 bar	53 Kg	630x650x1700

Art.no. **90090**



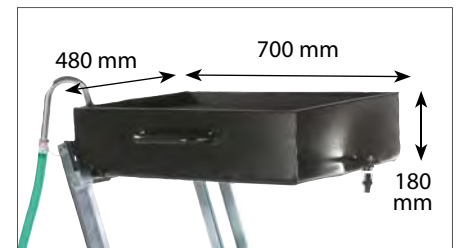
Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 115 l capacity, two fixed wheels and two castors, with rectangular heavy duty collection bowl in painted steel of 50 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 81), suction adapters and storage bowl.

Suitable for the use with passenger cars, motorbikes or trucks.

The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the sucked oil.

In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
90205	5x3 mm	0.25 l/min	1.05 l/min
90208	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
90090	0.8 bar	1.5 min	115 l	100 l	0.5 bar	55 Kg	500x600x1700

Waste oil suction units which allow to suck out the oil with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor by means of a pneumatic rotary or piston pump or by means of an electric pump. The oil suction process is also possible with these units if the oil temperature is equal to the ambient temperature (unless in case of low temperatures).



Art.no. **90001**

OIL BLITZ – Mobile waste oil suction unit, composed of a pneumatic rotary gear pump, suction hose, kit of suction probes in different diameters (see on page 81), suction adapters, storage bowl, two wheels trolley and 20 l – capacity plastic can for collection of the sucked oil.

Can be used also to suck out diesel from vehicle fuel tanks.

Art. no.	Max vacuum	Pressure compressed air	Compression ratio	Consumption compressed air	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
90001	0.8 bar	1 - 4 bar	1:1	180 l/min	4 bar	17 kg	410x420x910

Pneumatic, wall-mounted pumps for the suction of waste oil by means of suitable suction probes. Particularly suitable in installations with centralized pipework for the suction of waste fluids and the distribution of new fluids.



Art.no. **90006**

Wall-mounted waste oil suction system, consisting of 1:1 - pneumatic piston pump, pressure regulator and air filter with moisture separator, kit of suction probes in different diameters and suction adapters (see on page 81), 3 m - suction hose with shut-off valve and connections, vacuumeter for the control of the suction process and 1.6 m - discharge hose with curved outlet tube.

On demand alternatively also a discharge hose with suitable connection to a pipework can be supplied.



Art. no.	Max vacuum	Pressure compressed air	Compression ratio	Consumption compressed air	Outlet pressure	Weight
90006	0.8 bar	1 - 4 bar	1:1	140 l/min	4 bar	11 Kg

Art.no. **90120**
Art.no. **90120-110**

Mobile low level gravity waste oil drainer, suitable for the draining of motor oil, gear oil or differential oil from trucks and passenger cars. Available with collection capacity of 70 l and 110 l, with anti splash grid and removable, lateral antispash guard (optional). The unit can be discharged by gravity through the laterally mounted 3/4" drain valve.



Art. no.	Collection capacity	Connections	Weight	Dimensions (LxWxH) (mm)
90120	70 l	3/4" BSP (F)	26 Kg	800x560x180
90120-110	110 l	3/4" BSP (F)	38 Kg	1400x560x180

Waste oil

Art.no. **90110**
Art.no. **90110-110**

Mobile low level gravity drainer, suitable for the draining of waste oils and antifreeze from trucks and passenger cars by using the included pump kit for the eventual refilling of the liquid into the motor or circuit after finishing the service. Available with collection capacity of 70 l and 110 l, with anti splash grid.

The pump kit art.no. 90100 consists of a pneumatic rotary pump (art.no. 31221-OT), pressure regulator with manometer, suction hose and dispensing hose with control gun and rigid outlet pipe.



Art. no.	Compressed air supply	Outlet pressure	Delivery	Collection capacity	Connections	Weight	Dimensions (LxWxH) (mm)
90110	2-4 bar	4 bar	10.5 l/min	70 l	1/2" BSP (F)	34 Kg	800x560x180
90110-110	2-4 bar	4 bar	10.5 l/min	110 l	1/2" BSP (F)	46 Kg	800x560x285

Art.no. **90100**

Waste oil and antifreeze pumping kit composed of: air-operated rotary pump mod. 31221OT, pressure regulator with tap, flexible hoses and delivery gun. To be fitted on pans.



Art. no.	Compressed air supply	Outlet pressure	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
90100	2-4 bar	4 bar	10.5 l/min	3/8" BSP (F)	30 Kg	200x160x150

Waste oil

Art.no. **90122**

Pit gravity waste oil drainer, suitable for the draining of motor oil, gear oil or differential oil from trucks and passenger cars. Available with collection capacity of 70 l, with anti splash grid and metal rollers. Suitable for the use in service pits between the pit rails. It is possible to adapt the width according to the pit dimensions. The unit can be discharged by gravity through the laterally mounted 3/4" drain valve or by using an evacuation pump with suction hose and female quick coupling to be connected to the male coupling installed on the drainer.



Art. no.	Collection capacity	Width adjustment range (mm)	Connections	Weight	Dimensions (LxWxH) (mm)
90122	70 l	Min 900 - Max 1300	1/2" BSP (F)	27 Kg	850x630x220

Art.no. **90124**
Art.no. **90127**

Mobile low level gravity drainer, suitable for the draining of antifreeze from trucks and passenger cars by using the included pump kit for the eventual refilling of the liquid into the motor or circuit after finishing the service. Available with collection capacity of 70 l and 110 l, with anti splash grid.

The pumping kit consists of a pneumatic piston pump with 2,7: 1 compression ratio, air tap, air pressure regulator, suction pipe and delivery hose with rigid stem.



Art.no. **31263**

Art. no.	Compressed air supply	Outlet pressure	Delivery	Collection capacity	Connections	Weight	Dimensions (LxWxH) (mm)
90124	2-8 bar	24 bar	15 l/min	70 l	1/2" BSP (F)	34 Kg	800x560x180
90127				110 l		46 Kg	1400x560x180



Art.no. **011 KIT SONDE** Complete kit of 5 suction probes of different diameters and lengths and 2 suction adapters, with plastic probes holder.

Art.no. **90205** Flexible suction probe, \varnothing 5 mm, length 800 mm.

Art.no. **90206** Flexible suction probe, \varnothing 6 mm, length 800 mm.

Art.no. **90207** Flexible suction probe, \varnothing 7 mm, length 1500 mm.

Art.no. **90207-20** Flexible suction probe, \varnothing 7 mm, length 2000 mm.

Art.no. **90208** Flexible suction probe, \varnothing 8 mm, length 800 mm.

Art.no. **90226** Rigid suction probe, \varnothing 6 mm, length 800 mm.

Art.no. **90293** Suction adapter for VOLKSWAGEN vehicles.

Art.no. **90292** Suction adapter for MERCEDES vehicles.

Furthermore are available on demand the following models:

Art.no. **90294** Suction adapter for PEUGEOT and CITROEN vehicles.

Art.no. **90295** Suction adapter for BMW vehicles.

Art.no. **90296** Suction adapter for AUDI vehicles.

Art.no.	Art.nos. Suction probe
011 KIT SONDE	90205 - 90206 - 90207 - 90208 - 90226 - 90293 - 90292

Waste fluids storage tanks, made in plastic or in steel, compliant with the valid norms regulating the storage of waste fluids (Italian directive 392/96 according to European directives 75/349 EEC and 87/101 EEC).

Art.no. **49802 - 300 l**
Art.no. **49801 - 260 l**
Art.no. **49803 - 500 l**

Waste oil storage tank, with double wall in polyethylene (one internal in contact with the oil and one external which serves as a spill containment and security container for the internal one).

The tank is equipped with a wide dome with raisable cover. In its interior there is a removable basket for the drain of oil filters and the opening for charging and discharging the tank.

At the rim of the dome a mechanical level gauge is installed that permits the control of the filling level and a transparent indicator on the side of the external tank allows to detect eventual leakages of the internal tank immediately.

The tank is available in different colours for the storage of different liquids, such as mineral oils, vegetable oils, break fluid, oil-based emulsions or antifreeze.



Art.no.	Capacity (l)	Weight (Kg)	Dimensions (LxWxH) (mm)
49802	300	26	820x820x1080
49801	260	23	800x800x1170
49803	500	37	960x960x1240

Pneumatic brake bleeding unit with two chambers which are hermetically separated by an elastic diaphragm. One chamber of the container contains the brake fluid, the other chamber serves as reservoir for the compressed air. Max. working pressure 2 bar. The diaphragm permits to separate the brake fluid and the compressed air, avoiding like that the risk of an emulsion.

Art.no. **51100**

Art.no. **51100**

Pneumatic brake bleeding unit, with pressure regulator, 3 m – spiral fluid supply hose, for the bleeding of brakes and clutches, including those with ABS. Container capacity: 9 l.

The unit includes also the following accessories:

- 2 plastic jerrycans for the collection of the brake fluid, art. no. 51101,
- 2 plastic bleeding hoses, art. no. 51103,
- 1 plastic funnel, art. no. 51102.



Art.no. **51101**



Art.no. **51102**



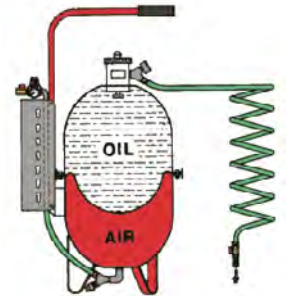
Art.no. **51103**

Art.no.	Weight	Dimensions (LxWxH) (mm)
51100	8.5 Kg	270x340x700

Art.no. **51105**

Mobile brake bleeding unit, consisting of:

- trolley with 4 castors,
- pneumatic brake bleeding unit, art. no. 51100,
- 2 bleeding adapters for passenger cars art. no. 5110004 and 5110008,
- 2 plastic jerrycans for the collection of the brake fluid, art. no. 51101,
- 2 plastic bleeding hoses, art. no. 51103,
- 1 plastic funnel, art. no. 51102.



Art.no.	Weight	Dimensions (LxWxH) (mm)
51105	30 Kg	500x610x1130

Art.no. **5110004**
Art.no. **5110008**



Art.no. **5110004**

Brake bleeding adapters external diameter 47 mm

Art.no. **5110008**

Brake bleeding adapters external diameter 44 mm



Art.no. **5110025**

Art.no. **5110025**

Universal brake bleeding adapter, suitable for the use in most of the existing passenger cars and trucks.

OMPI grease pumps are a well - proven product line since many years. The brass and aluminum alloy pneumatic motor assures a reliable use and a simple maintenance. The pumping system includes a rod in hardened steel, suitable also for heavy duty applications. The gaskets and seals are suitable for the use with almost all multipurpose greases on the basis of mineral oil from viscosity NLGI 000 up to NLGI 3.

The VISCOSITY of a fluid describes its capability to resist the movements of its particles.

The COMPRESSION RATIO describes the ratio between the surface of the piston inside of the pump motor and the surface of the piston that is pumping the fluid. The bigger this value is, the higher is the outlet pressure of the fluid. Since greases are mixtures of mineral oils and soaps (dense, inorganic substances) and therefore have a high viscosity, it is necessary to use pumps for the dispensing that have a high compression ratio such as 50:1 – or 100:1 – pumps.

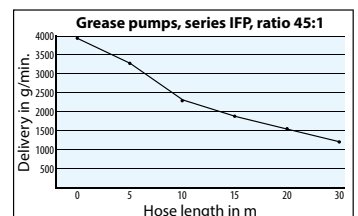
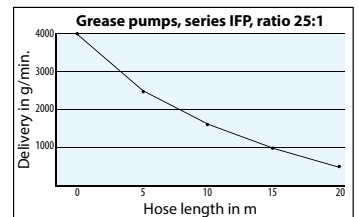
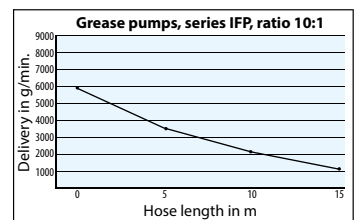
 <p>7:1</p> <p>6 kg/min. - 56 bar</p> <p>Transfer and filling at short distance.</p>	 <p>25:1</p> <p>4 kg/min. - 200 bar</p> <p>Transfer and filling at short distance with high viscosity.</p>
 <p>45:1</p> <p>3.8 kg/min. - 360 bar</p> <p>Transfer and filling at short distance with high viscosity.</p>	 <p>50:1</p> <p>2.9 kg/min. - 400 bar</p> <p>Standard model. Dispensing of grease at short and medium distances or for high pressure lubrication.</p>
 <p>100:1</p> <p>1.7 kg/min. - 800 bar</p> <p>Dispensing of grease at long distances or for high pressure lubrication.</p>	 <p>TWDE</p> <p>5.0 kg/min. - 800 bar</p> <p>Increased delivery at high and very high pressure.</p>
 <p>POWER BULL</p> <p>22 kg/min. - 56 bar</p> <p>Industrial application: supply of grease under demanding conditions at high pressure and/or with a high delivery.</p>	 <p>POWER BULL DISASSEMBLED</p> <p>Pumps for the supply of grease under demanding conditions at high pressure and/or with a high delivery. The motor and the pumping assembly are separated to avoid any potential fluid contamination.</p>
 <p>12 VDC</p> <p>Electric pumps for the supply of grease and lubrication in dispensing lines if only electrical power is available.</p>	 <p>230 / 400 VAC</p> <p>Electric pumps for the supply of grease and lubrication in dispensing lines if only electrical power is available.</p>

Pneumatic pumps for the transfer of grease or high viscosity oils at a constant pressure.

Grease



Art. no.	81886-20	81886-60	81886	81822	81862	81883	81887-20	81887-60	81887
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			Pressure min 2 - max 8 bar (30 - 120 psi)			Pressure min 2 - max 8 bar (30 - 120 psi)		
Compression ratio	7:1			25:1			45:1		
Outlet pressure	56 bar (812 psi)			200 bar (2900 psi)			360 bar (5200 psi)		
Delivery	6000 g/min			4000 g/min			3800 g/min		
Connection compressed air	1/4" BSP (F)			1/4" BSP (F)			3/8" BSP (F)		
Connection lubricant outlet	1/2" BSP (M)			1/2" BSP (M)			1/2" BSP (M)		
Max air consumption with 8 bar pressure	165 l/min			78 l/min			165 l/min		
Length suction tube	450 mm	750 mm	950 mm	450 mm	750 mm	950 mm	450 mm	750 mm	950 mm
Diameter suction tube	33 mm			28 mm			28 mm		
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x690	95x95x780	95x95x1005	95x95x690	95x95x780	95x95x1005
Suitable for pails / drums of	18 - 25 kg	50 kg	180 kg	18 - 25 kg	50 kg	180 kg	18 - 25 kg	50 kg	180 kg
Weight	4.5 kg	5.3 kg	5.7 kg	4.2 kg	5 kg	5.6 kg	4.4 kg	5.2 kg	5.8 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C – Compressed air pressure 8 bar – free flow outlet 1/2".

Pneumatic pumps for the use in short and medium distance dispensing lines or for high pressure lubrication.

50:1



For 16 kg – pails



For 18/25 kg – pails



For 50 kg – drums



For 180 kg – drums

Grease

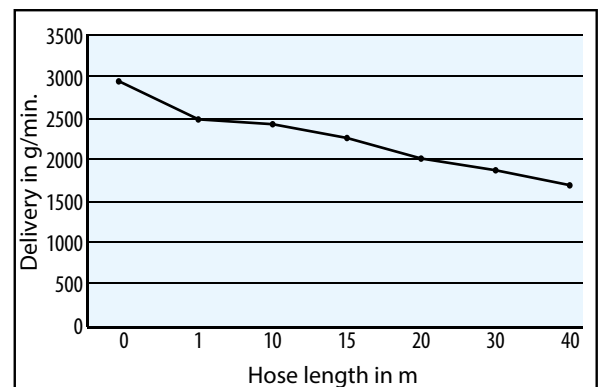
Art.no. **81818-P**

Art.no. **81820**

Art. no.	81818-P	81820	81860	81880
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			
Compression ratio	50:1			
Outlet pressure	400 bar (5800 psi)			
Delivery	2900 g/min			
Connection compressed air	1/4" BSP (F)			
Connection lubricant outlet	1/4" BSP (M)			
Max air consumption with 8 bar pressure	78 l/min			
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm			
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3.8 kg	4.5 kg	5 kg	5.6 kg

Art.no. **81860**

Art.no. **81880**



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Pneumatic pumps for the dispensing of grease – particularly high viscosity grease - or for high pressure lubrication. The TWDE series pumps combine a high compression ratio with an innovative constructional concept that permits to increase the delivery of the pump considerably. The escape of compressed air is improved by the use of a double distributor which at the same time reduces the formation of condensation water inside of the pump motor.

50:1



For **16 kg** – pails

Art.no. **81818TWDE**



For **18/25 kg** – pails

Art.no. **81820TWDE**



For **50 kg** – drums

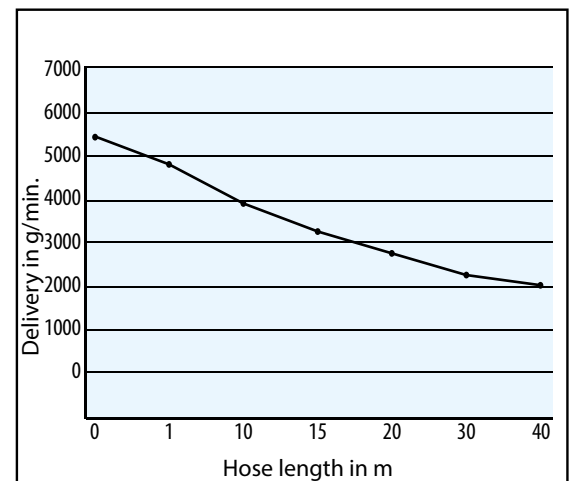
Art.no. **81860TWDE**



For **180 kg** – drums

Art.no. **81880TWDE**

Art. no.	81818TWDE	81820TWDE	81860TWDE	81880TWDE
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			
Compression ratio	50:1			
Outlet pressure	400 bar (5800 psi)			
Delivery	5200 g/min			
Connection compressed air	3/8" BSP (F)			
Connection lubricant outlet	1/4" BSP (M)			
Max air consumption with 8 bar pressure	120 l/min			
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm			
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3.9 kg	4.3 kg	5.1 kg	5.7 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Pneumatic pumps for the use in long distance dispensing lines or for high pressure lubrication.

100:1



For 16 kg – pails

Art.no. **81819**



For 18/25 kg – pails

Art.no. **81821**



For 50 kg – drums

Art.no. **81861**

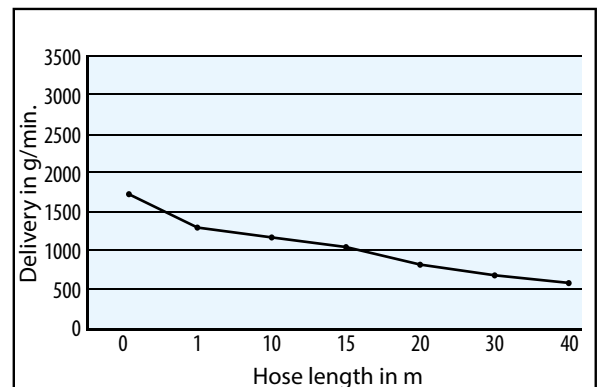


For 180 kg – drums

Art.no. **81881**

Grease

Art. no.	81819	81821	81861	81881
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			
Compression ratio	100:1			
Outlet pressure	800 bar (11600 psi)			
Delivery	1700 g/min			
Connection compressed air	1/4" BSP (F)			
Connection lubricant outlet	1/4" BSP (M)			
Max air consumption with 8 bar pressure	110 l/min			
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm			
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3.8 kg	4.2 kg	5 kg	5.6 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Pneumatic pumps for the dispensing of grease – particularly high viscosity grease - or for high pressure lubrication and a use in long distance dispensing lines. The TWDE series pumps combine a high compression ratio with an innovative constructional concept that permits to increase the delivery of the pump considerably. The escape of compressed air is improved by the use of a double distributor which at the same time reduces the formation of condensation water inside of the pump motor.

100:1



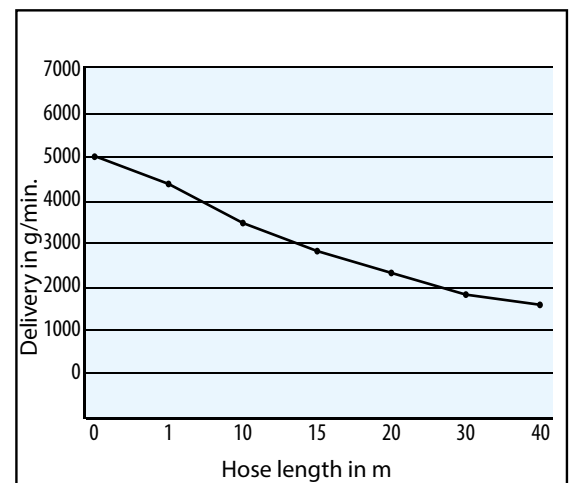
Art.no. **81819TWDE**

Art.no. **81821TWDE**

Art.no. **81861TWDE**

Art.no. **81881TWDE**

Art. no.	81819 TWDE	81821 TWDE	81861 TWDE	81881 TWDE
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			
Compression ratio	100:1			
Outlet pressure	800 bar (11600 psi)			
Delivery	5000 g/min			
Connection compressed air	3/8" BSP (F)			
Connection lubricant outlet	1/2" BSP (M)			
Max air consumption with 8 bar pressure	165 l/min			
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm			
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3.9 kg	4.3 kg	5.1 kg	5.7 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Pneumatic pumps for the dispensing of high quantities of grease at low pressure.

2,5:1

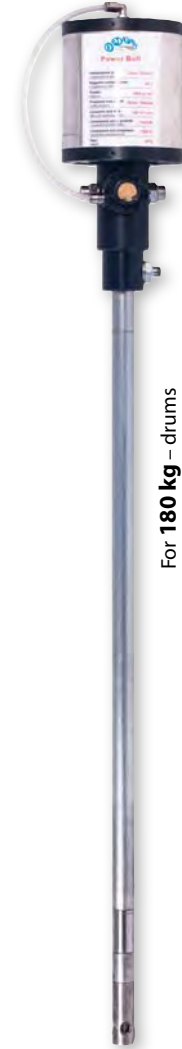


For 180 kg – drums

Art. no.	81889
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)
Compression ratio	2.5:1
Outlet pressure	20 bar (290 psi)
Delivery	12000 g/min
Connection compressed air	1/4" BSP (F)
Connection lubricant outlet	3/4" BSP (M)
Max air consumption with 8 bar pressure	110 l/min
Length suction tube	950 mm
Diameter suction tube	55 mm
Dimensions LxWxH (mm)	105x105x1320
Suitable for pails / drums of	180 kg
Weight	8.4 kg

Pneumatic pumps for the dispensing of grease at high pressure.

250:1



For 180 kg – drums

Art. no.	81888
Compressed air supply	Pressure max 5 bar
Compression ratio	250:1
Outlet pressure	1100 bar (16000 psi)
Delivery	800 g/min
Connection compressed air	3/8" BSP (F)
Connection lubricant outlet	1/2" BSP (M)
Max air consumption with 8 bar pressure	165 l/min
Length suction tube	950 mm
Diameter suction tube	28 mm
Dimensions LxWxH (mm)	130x130x1250
Suitable for pails / drums of	180 kg
Weight	9, kg

Grease

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Heavy duty pneumatic pumps, industrial pump series Power Bull, designed for the supply of grease under demanding conditions. Particularly suitable for the grease distribution in pipeworks and installations where a simultaneous supply of grease is required on different dispensing points at high pressure and/or with a high delivery.

Grease



Art.no. **81730**



Art.no. **81725**

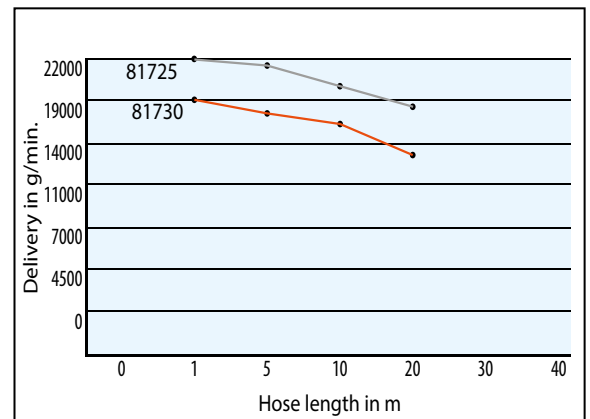
Art.no.
81730

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	19.00	18.00	18.00	18.00	104
5	18.00	16.00	13.20	11.00	96
10	17.50	14.90	12.60	9.10	70
20	13.80	11.10	7.60	6.90	49

Art.no.
81725

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	22.00	21.00	21.00	21.00	56
5	21.50	20.00	16.90	14.20	38
10	20.00	18.40	15.00	12.10	20
20	18.60	17.00	10.20	7.40	14

Art. no.	81730	81725
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)	
Compression ratio	13:1	7:1
Max outlet pressure	104 bar (1500 psi)	56 bar (812 psi)
Delivery	19000 g/min	22000 g/min
Max frequency strokes/min	60	120
Connection compressed air	1/2" BSP (F)	
Connection lubricant outlet	1" BSP (M)	
Max air consumption with 8 bar pressure	1.80 m ³ /min	1.92 m ³ /min
Diameter pneumatic piston	160 mm	125 mm
Diameter suction tube	70x50 mm	70x50 mm
Suitable for pails / drums of	180 kg	180 kg
Weight	26 kg	22 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.



Delivery 15000 g/min

Delivery 12000 g/min

Delivery 6000 g/min

Delivery 4900 g/min

Art.no. **81720**

Art.no. **81710**

Art.no. **81715**

Art.no. **81740**

Art. no.	81720	81710	81715	81740
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			
Compression ratio	30 : 1	50 : 1	90 : 1	75 : 1
Max outlet pressure	240 bar (3500 psi)	400 bar (5800 psi)	720 bar (10450 psi)	600 bar (8700 psi)
Delivery	15000 g/min	10000 g/min	7000 g/min	4900 g/min
Max frequency strokes/min	150	120	60	60
Connection compressed air	1/2" BSP (F)			
Connection lubricant outlet	1" BSP (M)			
Max air consumption with 8 bar pressure	1.86 m ³ /min	1.92 m ³ /min	1.80 m ³ /min	1.80 m ³ /min
Diameter pneumatic piston	100 mm	125 mm	160 mm	160 mm
Diameter suction tube	50x22 mm			
Suitable for pails / drums of	180 kg			
Weight	18 kg	22 kg	24 kg	25 kg

Art. no. **81720**

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	15.00	12.70	11.60	9.30	240
5	14.60	10.30	8.50	5.30	200
10	10.50	8.00	6.20	3.80	165
20	8.60	5.20	4.10	3.10	140
30	6.50	4.40	3.80	2.20	130
40	5.30	4.10	3.40	1.70	110
50	4.20	3.80	6.00	0.80	85
70	3.00	2.50	1.80	0.30	60

Art. no. **81710**

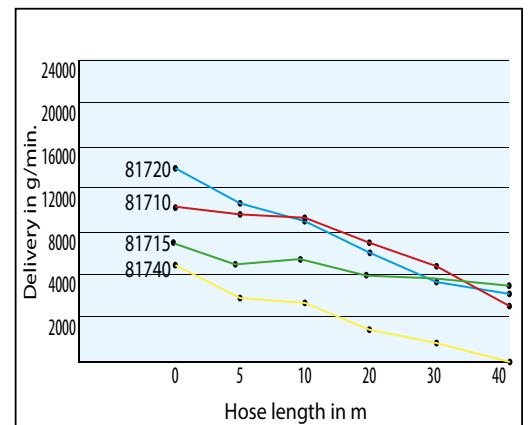
Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	13.10	9.60	8.60	7.80	400
5	12.90	9.00	7.90	5.60	360
10	12.20	8.20	6.70	4.00	240
20	10.60	6.40	4.80	2.30	220
30	8.80	4.70	3.10	2.10	180
40	8.00	3.20	2.50	1.70	150
50	7.60	2.80	2.20	1.40	110
70	7.20	2.50	1.90	0.90	85

Art. no. **81715**

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	7.00	6.30	5.70	5.10	720
5	6.80	5.80	5.20	4.10	680
10	6.40	5.30	4.70	3.50	420
20	5.90	4.30	3.50	2.10	400
30	4.80	3.30	2.90	1.90	370
40	4.50	2.90	2.50	1.70	340
50	4.30	2.60	2.20	1.60	250
70	4.00	2.20	2.10	1.30	180

Art. no. **81740**

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	5.20	5.00	4.90	4.20	600
5	5.00	4.80	4.40	3.40	580
10	4.60	4.30	3.90	2.80	360
20	4.50	4.00	3.30	2.00	340
30	4.30	3.00	2.50	1.70	320
40	4.10	2.80	2.20	1.50	280
50	4.00	2.50	2.00	1.30	200
70	3.80	2.10	1.90	1.10	120



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.

The industrial pump series POWER BULL in the disassembled version allows the combination of 4 different pneumatic motors with 4 different suction tubes so that 4 different configurations can be composed. In these models the air-operated motor and the pumping assembly are separated in order to avoid any potential fluid contamination of the motor.



Grease

Art. no. Pump	81745	81755	81735	81765
Art. no. pneumatic motor	81748	81746	81738	81736
Art. no. suction tube	81747	81737	81749	81739
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)		Pressure min 2 - max 8 bar (30 - 120 psi)	
Compression ratio	50 : 1	7 : 1	90 : 1	13 : 1
Outlet pressure	400 bar (5800 psi)	56 bar (816 psi)	720 bar (1043 psi)	104 bar (1500 psi)
Delivery	10000 g/min	22000 g/min	7000 g/min	19000 g/min
Max frequency strokes/min	120		60	
Connection compressed air	1/2" BSP (F)		1/2" BSP (F)	
Connection lubricant outlet	1" BSP (M)		1" BSP (M)	
Max air consumption with 8 bar pressure	1.92 m ³ /min		1.80 m ³ /min	
Diameter pneumatic piston	125 mm		160 mm	
Diameter suction tube	50x22 mm	70x50 mm	50x22 mm	70x50 mm
Dimensions	160x160x1700 mm			
Suitable for drums of	180 kg		180 kg	
Weight	21 kg	23 kg	25 kg	27 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.

MOTOMATIC® System Patent no. 32188 C/80

In the year 1986 the innovative MOTOMATIC® – system has been developed and patented.

Motomatic® is a pneumatic pumping system which is characterized by the use of a single motor which can be applied on various suction tubes. The pumping system is activated by connecting the motor – which is provided with a quick coupling – to the installed suction tubes that differ depending on the lubricant that shall be pumped.

This solution offers a significant practical and economical advantage for pumping greases, oils, antifreeze or diesel, since it allows the user to leave the various suction tubes installed in the drums and to use the same pneumatic motor for pumping the required lubricant.



Pneumatic motor

Art.no. **30000**

Interchangeable suction tubes



Suction tube for grease **16 kg** – pails

Art.no. **30007**



Suction tube for grease **16 kg** – pails

Art.no. **30004**



Suction tube for grease **50 kg** – drums

Art.no. **30005**



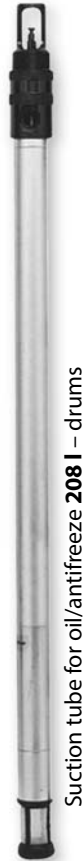
Suction tube for grease **180 kg** – drums

Art.no. **30006**
Art.no. **30008**



Suction tube for oil **208 l** – drums

Art.no. **30001**



Suction tube for oil/antifreeze **208 l** – drums

Art.no. **30002**
Oil

Art.no. **30003**
Antifreeze



Art. no.	30000	30007	30004	30005	30008	30006	30001	30002	30003
Compressed air supply	Pressure 2-8 bar (30 - 120 psi)	-	-	-	-	-	-	-	-
Compression ratio	-	50 : 1			15 : 1	50 : 1	1 : 1	3 : 1	3 : 1
Outlet pressure	-	400 bar (5800 psi)			120 bar (1740 psi)	400 bar (5800 psi)	8 bar (120 psi)	24 bar (360 psi)	24 bar (360 psi)
Delivery	-	2900 g/min			7000 g/min	2900 g/min	40 l/min	14 l/min	14 l/min
Connection compressed air	1/4" BSP (F)	-	-	-	-	-	-	-	-
Connection lubricant outlet	-	1/4" BSP (M)			1/2" BSP (M)	1/4" BSP (M)	3/4" BSP (M)	1/2" BSP (M)	1/2" BSP (M)
Max air consumption with 8 bar pressure	115 l/min	-	-	-	-	-	-	-	-
Length suction tube	-	335 mm	450 mm	750 mm	950 mm	950 mm	950 mm	950 mm	950 mm
Diameter suction tube	-	28 mm					55 mm	40 mm	40 mm
Dimensions LxWxH (mm)	95x95x420	30x31x435	30x31x550	30x31x850	30x31x1050	30x31x1050	30x31x1050	30x31x1050	30x31x1050
Suitable for pails / drums of	-	16 kg	25 kg	50 kg	180 kg	180 kg	208 l	208 l	208 l
Weight	3.5 kg	0.8 kg	1 kg	1.3 kg	1.5 kg	1.5 kg	2.1 kg	1.9 kg	1.9 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 and hydraulic oil ISO 32 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.

Electric pumps for the supply of grease and for high pressure lubrication in dispensing lines if only electrical power is available.

This series allows the combination of 3 different motors with different suction tubes and different planetary reduction gears, thus offering a total of 16 combinations which permit suitable solutions for various requirements.



Grease

Art. no.	Voltage	Reducers	Ø Suction tube	Max outlet pressure	Delivery	RPM	Power	Suitable for drums of	Weight
83300-20	12 VDC	20 : 1	28x14 mm	200 bar (2900 psi)	100 g/min	3400	250 W	18 - 25 kg	12 kg
83300-60								50 kg	13 kg
83300								180 kg	14 kg
83400-20	230 VAC - 50 Hz	7.5 : 1	28x14 mm	300 bar (80723 psi)	400 g/min	1400	750 W	18 - 25 kg	20 kg
83400-60								50 kg	21 kg
83400								180 kg	22 kg
83450-20			28x16 mm	100 bar (1450 psi)	1200 g/min			18 - 25 kg	20 kg
83450-60								50 kg	21 kg
83450								180 kg	22 kg
83600-20	400 VAC - 50 Hz	7.5 : 1	28x14 mm	400 bar (5800 psi)	400 g/min	1400	750 W	18 - 25 kg	22 kg
83600-60								50 kg	23 kg
83600								180 kg	24 kg
83650-20			28x16 mm	200 bar (2900 psi)	1200 g/min			18 - 25 kg	22 kg
83650-60								50 kg	23 kg
83650								180 kg	24 kg
83955			50x22 mm	10 bar (145 psi)	8000 g/min			180 kg	26 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- free flow outlet.



Art.no. **83001**

Mobile 230 VAC grease supply kit for 200 kg drums, consisting of:

- 4-wheeled trolley art. 80792
- Follower plate art.no. 80684
- Steel drum cover art.no. 80580
- Plastic bung adapter for pump fixation \varnothing 28 mm
- Plastic lock ring for bung adapter 2" BSP
- Electric grease pump art.n. 83400
- Grease control gun with flexible outlet hose art.no. 88410
- Electric safety panel art.no. 70950



Art.no. **83800**

Mobile 230 VAC grease supply kit for 60 kg drums, consisting of:

- 4-wheeled trolley art. 80726
- Follower plate art.no. 80628
- Steel drum cover art.no. 80520
- Plastic bung adapter for pump fixation \varnothing 28 mm
- Plastic lock ring for bung adapter 2" BSP
- Electric grease pump art.n. 83400-60
- Grease control gun with flexible outlet hose art.no. 88410
- Electric safety panel art.no. 70950



Art.no. **70950**

Electric safety panel, with plastic case, for 230 VAC - pumps, consisting of:

- Main ON/OFF - switch;
- Emergency switch;
- White light signal for electric circuit control;
- Green light signal for function control;
- Red light signal indicating a function stop due to overheating;
- Plug in accordance with the standard IEC 309.

**Complete pneumatic grease supply kit, suitable for any kind of inside or outside use.
Max pressure achievable: 400 bar.**

Art.no. **81817**

Portable and mobile pneumatic grease supply kit with 16 kg – steel pail, consisting of:

- Pneumatic grease pump, art. no. 81820;
- Pressure regulator, art. no. 40400;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, with 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art. no. 88442;
- Follower plate ø 230 mm;
- Steel pail with 2 wheels and carrying handle.



Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
81817	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	11 kg	240x390x930

Art.no. **81818**

Portable pneumatic grease supply kit for 18/25 kg - pails, consisting of:

- Pneumatic grease pump, art. no. 81820;
- Pressure regulator, art. no. 40400;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art.no. 88442;
- Follower plate, ø 310 - 260 mm, art. no. 80628;
- Metal drum cover, ø 330 – 290 mm, art. no. 80520.

Art.no. **81815**

Portable pneumatic grease supply kit, based on art.no. 81818, for 12,5 kg drums.



Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	For pails:	Weight	Dimensions (LxWxH) (mm)
81815	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	12.5 kg	10 kg	240x240x820
81818					18-25 kg	11 kg	240x240x890

Complete pneumatic grease supply kit, suitable for any kind of inside or outside use.
Max pressure achievable: 400 bar.



Art.no. **81921**

Portable and mobile pneumatic grease supply kit with 60 kg – steel pail, consisting of:

- Pneumatic grease pump, art. no. 81860;
- Metal drum cover art. no. 8192103;
- Pressure regulator, art. no. 40400;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, with 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art. no. 88442;
- Follower plate art. no. 80634;

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
81921	400 bar	1700 g/min	1/4" BSP (M)	2-8 bar	30 kg	400x500x1100

Complete mobile pneumatic grease supply kit, suitable for 18/25 kg – pails in any kind of inside or outside use.
Max pressure achievable: 400 bar.



Art.no. **81840**

18/25 kg

Mobile pneumatic grease supply kit for 18/25 kg - pails, consisting of:

- Pneumatic grease pump, art. no. 81820;
- Pressure regulator, art. no. 40360;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, 300 mm – steel braid; outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art. no. 88442;
- Follower plate, ø 310 - 260 mm, art. no. 80628;
- Metal drum cover, ø 330 – 290 mm, art. no. 80520;
- Trolley with 2 wheels, art. no. 80723.

Art.no. **81840-E**

Mobile pneumatic grease supply kit such as art. no. 81840, but with trolley art. no. 80724.



Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
81840	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	15 kg	500x500x960
81840-E					13 kg	

Complete mobile pneumatic grease supply kits, suitable for 50 kg – drums in any kind of inside or outside use.
Max pressure achievable: 400 bar.

Art.no. **81920**

Mobile pneumatic grease supply kit for 50 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 81860;
- Pressure regulator, art. no. 40400;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, 300 mm – steel braid outlet hose
ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art. no. 88442;
- Follower plate, ø 390 - 325 mm, art. no. 80634;
- Metal drum cover, ø 400 – 360 mm, art. no. 80560;
- Trolley with 2 wheels, art. no. 80723.



Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
81920	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	16 kg	510x690x690

Art.no. **81960**

Mobile pneumatic grease supply kit for 50 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 81860;
- Pressure regulator, art. no. 40400;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, 300 mm – steel braid outlet hose
ø ext. 10 mm and 4 jaws - hydraulic coupler, art. no. 88410 ;
- High pressure Z – swivel, art. no. 88442;
- Follower plate, ø 390 - 325 mm, art. no. 80634;
- Metal drum cover, ø 400 – 360 mm, art. no. 80560;
- Trolley with 4 wheels, art. no. 80722.



Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
81960	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	18 kg	600x600x1050

Complete mobile pneumatic grease supply kits, suitable for 180 kg – drums in any kind of inside or outside use.
Max pressure achievable: 400 bar.

Art.no. 81940

Mobile pneumatic grease supply kit for 180 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 81880;
- Pressure regulator and air filter with moisture separator, art. no. 40360;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, 300 mm – steel braid outlet hose \varnothing ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art. no. 88442;
- Follower plate, \varnothing 590 - 540 mm, art. no. 80684;
- Metal drum cover, \varnothing 600 – 560 mm, art. no. 80580;
- Trolley with 4 wheels, art. no. 80785.



Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
81940	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	22 kg	900x830x1400

Art.no. 80791

Mobile pneumatic grease supply kit for 180 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 81880;
- Pressure regulator and air filter with moisture separator, art. no. 40360;
- Open hose reel, art. no. 37115;
- 15 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81015;
- 2 m – connection hose SAE 100 R2 AT, 1/4", art. no. 81002;
- High pressure grease control gun, 300 mm – steel braid outlet hose \varnothing ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art. no. 88442;
- Follower plate, \varnothing 590 - 540 mm, art. no. 80684;
- Metal drum cover, \varnothing 600 – 560 mm, art. no. 80580;
- Heavy duty trolley with 4 wheels and grate, art. no. 80792.



Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
80791	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	90 kg	900x1030x1400

**Complete stationary pneumatic grease supply kit, suitable for 180 kg – drums in any kind of inside or outside use.
Max pressure achievable: 400 bar.**



Art.no. **49700**

Stationary pneumatic grease supply kit for 180 kg – drums with hose reel, installed on a "Tank Service Base" unit. Compared to a system installed on the wall, the system which is mounted on the "Tank Service Base" unit also includes a spill containment pallet for the drum storage with a self-supporting structure forming a "lubrication island" that can be placed in any location of a workshop.

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
49700	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	78 kg	830x880x2360

Art.no. **81900**
Art.no. **81905**

Mobile pneumatic grease sprayer kits, suitable for the application of grease or similar lubricants on mechanical parts or surfaces for protective purposes. For example these kits are suitable also for applying underseal agents for protective undercoating.

Applications:

- Undercoating, rust-proofing and sound-deadening materials;
- automotive and heavy-duty vehicle dealerships;
- fast lube centers and service shops;
- fleet service facilities.

The kits consist of a 25:1 – pneumatic grease pump, metal drum cover, follower plate, 3 m - high pressure hose SAE 100 R2 AT, 1/4", for grease and 3 m – hose for air, with thermo - retractable cover, control gun including lance with twin outlet for the injection of air and spraying nozzles.



Art. no.	81900	81905
Compression ratio	25:1	
Max outlet pressure	150 bar	
Compressed air supply	3 – 6 bar	
For pails / drum of	18-25 kg	50 kg
Weight	15 kg	18 kg



Art.no. **80850-30**
Art.no. **80850-60**
Art.no. **80850-200**

Stationary ram hoist for grease with bedplate, consisting of a special pump lifting device suitable for pneumatic piston grease pumps and a grease compacting system that works based on a pneumatic circuit which is activated by a control valve.

This unit is used when the grease has a high degree of viscosity or is very dense due to low temperature and therefore is difficult to pump. Suitable for the use with all grease pump models of series standard, TWDE and IFP (except art.no. 81886).

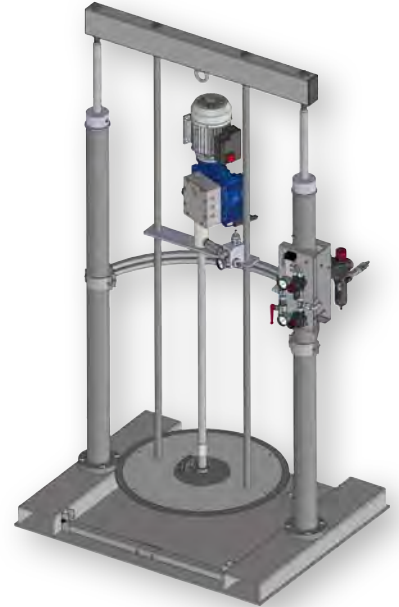
In the standard version the kit includes a pneumatic 50:1 – grease pump of the standard series. On demand also available with other pump models.

Versions for the use with pails and drums are available.

Art.no. **80860**

Stationary ram hoist for grease with bedplate, consisting of a special pump lifting device suitable for electric piston grease pumps, and a grease compacting system that works based on a pneumatic circuit which is activated by a control valve.

On demand also available with other electric piston pump models (see page 94)



Grease



Art.no. **80850**

Stationary ram hoist for grease with bedplate, consisting of a special pump lifting device suitable for pneumatic piston grease pumps, series POWER BULL, and a grease compacting system that works based on a pneumatic circuit which is activated by a control valve.

This unit is used when the grease has a high degree of viscosity or is very dense due to low temperature and therefore is difficult to pump. Suitable for the use with grease pump models art.nos. 81730 – 81725 – 81720 – 81710 – 81715 – 81840.

In the standard version the kit includes a pneumatic 50:1 – grease pump, art.no. 81710.

On demand also available with other pump models.

Suitable for the use with 180 kg – grease drums.

Art. no.	80850-30	80850-60	80850-200	80850
Pump model	81820	81860	81880	81710
Compression ratio	50:1			
Max outlet pressure	400 bar			
Pressure pneumatic circuit	1 – 3 bar			
Pressure performance compacting system	1 bar = 50 kg pressure			
Suitable for pails/drums of	18 kg	50 kg	180 kg	
Dimensions (LxWxH) (mm)	1090 x 630 x 1750			1090 x 630 x 1900
Weight	85 kg	110 kg	170 kg	220 kg

Art.no. **33900**

Electronic dosing unit for oil and grease **CONTROLLER 5.0** that allows the preselection of the oil/grease quantity to be supplied. The unit is composed of:

- Electronic oval gears flow meter with pulse transmitter, art.no. 71080;
- Control unit for dosing system **CONTROLLER 5.0** with keypad and display;
- Thermal printer for printing a ticket with data of each performed dispense;
- Pressure gauge for circuit pressure monitoring
- Electronic control switch (ON/OFF – START) with transformer 230 VAC – 24 VDC.



Grease

Art.no. **33900 KIT (without Tank Service)**

Stationary grease supply kit with electronic dosing system **CONTROLLER 5.0** that allows the preselection of the grease quantity to be supplied.

This unit is suitable for industrial applications in which a recurrent precision of a dosage is required on points and in sections that are running continuously and need a constant flow of lubricant.

The unit includes also a timer and a data recording of the dispensed amount.

The unit is composed of:

- Pneumatic grease pump 25:1, art.no. 81883;
- Pressure regulator and air filter with moisture separator, art. no. 40360;
- Follower plate, ø 590 - 540 mm, art. no. 80684;
- Metal drum cover, ø 600 – 560 mm, art. no. 80580;
- Electronic oval gears flow meter with pulse transmitter, art.no. 71080;
- 3 m – rubber hose SAE 100 R1 AT, 1/2", art.no. 31003;
- Grease control gun with rigid outlet, art.no. 88700;
- Control unit for dosing system **CONTROLLER 5.0** with keypad and display;
- Thermal printer for printing a ticket with data of each performed dispense;
- Electronic control switch (ON/OFF – START) with transformer 230 VAC – 24 VDC.



250 bar



Art.no. **80250-360**

Manual lever action grease pump, suitable for 18/30 kg - pails. Standard suction tube length 360 mm; can be supplied also in different lengths on demand.

Art.no. **80250-335**

Manual lever action grease pump, suitable for 12,5 kg - pails. Suction tube length 335 mm.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight
80250-360	250 bar	8 g	1/4" BSP (M)	2 kg
80250-335				

250 bar



Art.no. **80250**

Portable, manual grease supply kit for 18/30 kg – pails, consisting of:

- Manual lever action grease pump, art. no. 80250-360;
- Metal drum cover, ø 290 – 330 mm, art. no. 075115;
- Follower plate, ø 310 - 260 mm, art. no. 80628;
- 1.5 m – rubber hose R1T, ø 1/4”;
- Ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler, art.no. 88438.

Art.no. **80250LQ**

Portable, manual grease supply kit for 12,5 kg – pails, consisting of:

- Manual lever action grease pump, art. no. 80250-335;
- Metal drum cover, ø 283 mm, art. no. 80512LQ;
- Follower plate, ø 275x230 mm, art. no. 80612;
- 1.5 m – rubber hose R1T, ø 1/4”;
- Ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
80250	250 bar	8 g	1/4" BSP (M)	5 kg	340x340x630
80250LQ					

250 bar



Art.no. **84000**

Portable, manual grease supply kit, consisting of metal 16 kg – pail, lever action grease pump, follower plate, ø 230 mm, art. no. 07 5131, 1.5 m - rubber hose R1AT, ø 1/4", ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler.



MADE IN ITALY

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
84000	250 bar	8 g	1/4" BSP (M)	5.5 kg	240x490x630

250 bar



Art.no. **84050**

Portable, manual grease supply kit, consisting of metal 16 kg – pail with 2 wheels, lever action grease pump, follower plate, ø 230 mm, art. no. 07 5131, 1.5 m - rubber hose R1AT ø 1/4", ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
84050	250 bar	8 g	1/4" BSP (M)	7.5 kg	250x540x630

130 bar



Art.no. **84008**

Manual grease supply kit, consisting of 8 kg metal drum, 1.5 m - rubber hose R1T, Ø 1/4", ball valve and rigid outlet pipe with 4 – jaws.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
84008	130 bar	8 g	1/4" BSP (M)	5 kg	240x490x630

Grease Power 750 is a manual grease supply kit, composed by a spring - loaded pump combined with a special control gun, dispensing the grease in pressure degrees up to 750 bar.

This system can be used in 3 different ways, offering the following results:

1. Delivery of 0.3 g of grease per squeeze with up to 750 bar pressure when the switch of the control gun is on "high pressure" - position. Ideal for unblocking dirty or resinified grease nipple valves.
2. Delivery of 1.1 g of grease per squeeze when switch of the control gun is on "high volume" - position. For normal grease supply operations.
3. Keeping the lever of the control gun pushed and pressing simultaneously the pump rod down by foot, a continuous grease flow at low pressure can be created.

This grease supply kit - thanks to its compactness and its independence from any pneumatic or electric supply - is the ideal, mobile equipment for any application in the field of lubrication.

750 bar



Art.no. **88400**

Portable, manual grease supply kit, consisting of:

- Metal 5 kg – pail with cover;
- Manual, spring - loaded piston grease pump;
- Follower plate;
- 1.5 m - rubber hose, \varnothing 1/2" mm;
- Control gun with selector lever and rigid outlet pipe with 4 – jaws – hydraulic coupler.



Art. no.	Max outlet pressure	Max delivery per stroke	\varnothing suction tube	Length suction tube	Weight	Dimensions (LxWxH) (mm)
88400	750 bar	8 g	28 mm	310 mm	6.5 kg	350x240x550

750 bar



Art.no. **88510**

Portable, manual grease supply kit, suitable for 18/25 kg - pails, consisting of:

- Manual, spring - loaded piston grease pump;
- Follower plate, 310 – 260 mm, art. no. 80628;
- 1.5 m - rubber hose, \varnothing 1/2" mm;
- Metal drum cover, \varnothing 290 – 330 mm, art. no. 80520;
- Control gun with selector lever and rigid outlet pipe with 4 – jaws – hydraulic coupler.

Art.no. **88500**

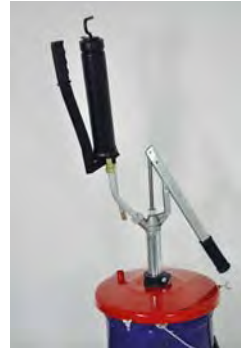
Portable, manual grease supply kit, based on art.no.88510, for 12.5 kg drums

Art. no.	Max outlet pressure	Max delivery per stroke	\varnothing suction tube	Length suction tube	Weight	Dimensions (LxWxH) (mm)
88500	750 bar	8 g	28 mm	370 mm	5.6 kg	250x280x630
88510					5.8 kg	350x480x630

Art.no. **50822**
 Art.no. **50821**
 Art.no. **50823**

Manual grease gun filler pump kit, consisting of manual lever action grease pump, metal drum cover, follower plate and rigid pipe with adapter for the connection of grease gun.

Suitable for grease up to a viscosity of NLGI 2.



Art. no.	Delivery	Diameter suction tube	Length suction tube	Diameter drum cover	Diameter follower plate	Diameter pails/drums	Suitable for pails/drums of	Weight
50822	30 g/stroke	40 mm	450 mm	283 mm	275 mm	240-283 mm	18 kg	5 kg
50821				330 mm	310 mm	290-330 mm	20 kg	6 kg
50823			750 mm	400 mm	390 mm	360-400 mm	50 kg	8 kg

Art.no. **50822-CL**
 Art.no. **50821-CL**
 Art.no. **50823-CL**

Manual grease transfer kit for the refilling of grease reservoirs in centralized lubrication systems, consisting of manual lever action grease pump, metal drum cover, follower plate, 2 m - rubber hose \varnothing 1/2", hydraulic quick coupling, connection thread BSP 1/2" (F), in accordance with norm ISO 7241-1 B art.no. 88462.

Suitable for grease up to a viscosity of NLGI 2.



Art. no.	Delivery	Diameter suction tube	Length suction tube	Diameter drum cover	Diameter follower plate	Diameter pails/drums	Suitable for pails/drums of	Weight
50822-CL	30 g/stroke	40 mm	450 mm	283 mm	275 mm	240-283 mm	18 kg	6 kg
50821-CL				330 mm	310 mm	290-330 mm	20 kg	7 kg
50823-CL			750 mm	400 mm	390 mm	360-400 mm	50 kg	9 kg

Art.no. **80800-600**
Art.no. **80800-400**

Lever action grease gun, suitable for the use with bulk grease or with grease cartridges.
With plastic flexible outlet hose \varnothing ext. 8 mm x 300 mm length, M 10x1, and 4 – jaws – hydraulic coupler.
Suitable for grease up to a viscosity of NLGI 2.



Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
80800-600	1.2 cm ³ /stroke	300 bar	600 g	56 mm	300 mm	1.70 kg	150x60x480
80800-400		400 bar	400 g	52 mm	240 mm	1.70 kg	110x60x370

Art.no. **80900**
Art.no. **80900-400**

Pneumatic grease gun, suitable for the use with bulk grease or with grease cartridges. With plastic flexible outlet hose \varnothing ext. 8 mm x 300 mm length, M 10x1, and 4 – jaws – hydraulic coupler. It is a single action mechanism (non-continuous grease supply): when activating the trigger, the internal piston moves and supplies grease; when the trigger is released, the piston returns in its initial position. By repeating this procedure the grease can be dispensed. Compressed air pressure: 4 – 8 bar. Suitable for grease up to a viscosity of NLGI 2.



Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
80900	1.2 cm ³ /stroke	300 bar	600 g	56 mm	300 mm	2 kg	240x70x550
80900-400		300 bar	400 g	52 mm	240 mm	2 kg	240x70x470

Art.no. **80900-C**

Pneumatic grease gun with a continuous grease flow, suitable for the use with bulk grease or with grease cartridges.
With rigid outlet pipe 150 mm length, M 10x1, and 4 – jaws – hydraulic coupler.

Compressed air pressure: 2 – 8 bar. Suitable for grease up to a viscosity of NLGI 2.



Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
80900-C	0.8 cm ³ /stroke	400 bar	400 g	52 mm	240 mm	2 kg	170x75x400

Art.no. **80950**

One-hand-operated grease gun, professional version, suitable for the use with bulk grease or with grease cartridges.

With plastic flexible outlet hose \varnothing ext. 8 mm x 300 mm length, M10x1, and 4 – jaws – hydraulic coupler. The grease gun can be used in a "high volume" or in a "high pressure" mode.



Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
80950	1.1 cm ³ /stroke	200 bar	400 g	52 mm	240 mm	1.6 kg	165x66x400
	0.8 cm ³ /stroke	300 bar					

Art.no. **80600**

Cartridge with lithium grease, NLGI 2, with 600 g capacity.

Diameter 56 mm, length 300 mm.

Kinematic viscosity of the basing oil: 150 cSt, 40°C.

Temperature range of use: -20°C - +120°C.

According DIN 51502 K 2 K-20.

Packaging unit: 15 pcs.



Art.no. **80400**

Cartridge with lithium grease, NLGI 2, with 400 g capacity.

Diameter 52 mm, length 235 mm.

Kinematic viscosity of the basing oil: 150 cSt, 40°C.

Temperature range of use: -20°C - +120°C.

According DIN 1284.

Packaging unit: 15 pcs.

Art.no. **51361**

Art.no. **51361**

Push type grease gun, in galvanized steel, with pointed coupler (for grease nipples DIN 3405) and hollow-type coupler (for grease nipples DIN 71412), connection M 10x1. Suitable for the use with grease and oil.

Capacity 80 ml.



Art.no. **51360**

Push type grease gun, in plastic, capacity 50 ml, with hollow-type coupler (for grease nipples DIN 71412), connection M 10x1. Suitable for the use with grease and oil.

Art.no. **51360**



Art.no.
88200

Art.no.
88201

Art.no. **88200**

High pressure grease control gun, steel body, inlet connection 1/4" BSP (M), outlet connection M 10x1.
Working pressure up to 800 bar.

Art.no. **88201**

High pressure grease control gun art.no. 88200, but additionally equipped with a trigger guard.



Art.no.
88420

Art.no.
88410

Art.no. **88410**

High pressure grease control gun with 300 mm – steel braid rubber outlet hose \varnothing ext. 10 mm and 4 - jaws - hydraulic coupler.
Working pressure up to 800 bar.

Art.no. **88420**

High pressure grease control gun art.no. 88410, but additionally equipped with a trigger guard.



Art.no.
88416

Art.no.
88415

Art.no. **88415**

High pressure grease control gun with rigid outlet pipe and 4 – jaws – hydraulic coupler.
Working pressure up to 800 bar.

Art.no. **88416**

High pressure grease control gun art.no. 88415, but additionally equipped with a trigger guard.



Art.no.
88310

Art.no.
88700

Art.no. **88310**

High delivery grease control gun for the transfer of grease, with rigid outlet, \varnothing 20 mm.
Working pressure up to 200 bar, burst pressure 350 bar.

Art.no. **88700**

Grease control gun for the transfer of grease, with rigid outlet, \varnothing 16 mm. Working pressure up to 180 bar, burst pressure 320 bar.



Art.no. **88456**

Art.no. **88442**

Art.no. **88442**

High pressure rotating "Z" – swivel, connections 1/4" BSP (M – F). For the installation between hose and control gun. Allows a complete 360° - rotation on the 3 axes, also under pressure.

Art.no. **88456**

Straight high pressure rotating swivel, connections 1/4" BSP (M – F). For the installation between hose and control gun. Allows a complete 360° - rotation on the 1 axe, also under pressure.

Grease



Art.no. **88446** - High pressure fitting M + M 1/4" BSP.

Art.no. **88440** - Hydraulic 4 - jaws - coupler, standard version, steel body, height 36 mm, for hydraulic-type grease nipples according to DIN 71412, connection M 10x1.

Art.no. **88448** - Giant button head coupler, steel body, for button head grease nipples with \varnothing 22 mm according to DIN 3404; connection M 10x1.

Art.no. **88450** - Hydraulic 4 - jaws - coupler, steel body, for hydraulic-type grease nipples according to DIN 71412, connection M 10x1, with 90° - curved swivel adapter.

Art.no. **88452** - Button head coupler, steel body, for button head grease nipples with \varnothing 15 mm according to DIN 3404; connection M 10x1.

Art.no. **88454** - Reverse button head coupler, steel body, for button head grease nipples with \varnothing 15 mm according to DIN 3404; connection M 10x1.

Art.no. **88441** - Pointed coupler, steel body, for flush-type grease nipples according to DIN 3405; connection M 10x1.

Art.no. **88443** - Pin pointed coupler, steel body, for flush-type grease nipples according to DIN 3405; connection M 10x1.

Art.no. **88444** - Hollow-type coupler, steel body, for ball-type and hydraulic-type grease nipples according to DIN 71412; connection M 10x1.

Art.no. **88445** - Bayonet coupler, steel body, for bayonet grease nipples; connection M 10x1.

Art.no. **88447** - Hydraulic 4 - jaws - coupler, heavy duty version, steel body, height 48 mm, with ball valve, for hydraulic-type grease nipples according to DIN 71412, connection M 10x1. Suitable also for applications with oil.

Art.no. **88451** - Needle nose adapter with quick coupling for the connection to hydraulic couplers, ideal for the lubrication of hard-to-reach points, especially for cardan shafts and small grease nipples, needle length 55 mm.

Art.no. **88460** - Hands-free power coupler G-Coupler connection M10x1.

All couplers are available also with thread G 1/8" (F) on demand. Please add suffix /18 to the article number.



Art.no. **88453** - Extension pipe for hydraulic 4 - jaws - couplers, length 130 mm, with quick coupling and connection M 10x1.

Art.no. **88455** - Double steel braid rubber outlet hose 1/4", SAE 100 R2 AT, length 400 mm; connections M 10x1 - 1/4" BSP (M).

Art.no. **88434** - Steel braid rubber outlet hose DIN 1293 \varnothing ext. 10 mm, length 400 mm, max. working pressure 400 bar, burst pressure 1000 bar; connections M 10x1.

Art.no. **88434-1000** - Steel braid rubber outlet hose DIN 1293 \varnothing ext. 10 mm, length 1000 mm, max. working pressure 400 bar, burst pressure 1000 bar; connections M 10x1.

Art.no. **88435** - Steel braid rubber outlet hose \varnothing ext. 10 mm, length 400 mm, max. working pressure 400 bar, burst pressure 1000 bar with hydraulic 4 - jaws - coupler; connections M 10x1.

Art.no. **88438** - Angled rigid outlet pipe, length 200 mm, with hydraulic 4 - jaws - coupler; connections M 10x1.

Art.no. **88439** - Angled rigid outlet pipe, length 130 mm; connections M 10x1.

Art.no. **88449** - Angled rigid outlet pipe, connection 1/2" (M), with quick coupling, for the grease refilling of lever grease guns through grease gun filler pumps.

Art.no. **88455 + 88459** - Double steel braid rubber outlet hose 1/4", length 400 mm, connection 1/4" (M), with steel quick coupling, connection thread BSP 1/4" (F), in accordance with norm ISO 7241-1 B, to be connected on grease reservoirs in centralized lubrication systems for refilling.

Art.no. **88461** - Curved rigid outlet pipe, connection \varnothing 1/2" (M), for the refilling of grease reservoirs in centralized lubrication systems.

Art.no. **88459** - Steel quick coupling, connection thread BSP 1/4" (F), in accordance with norm ISO 7241-1 B, suitable for the use with refilling accessories for the refilling of grease reservoirs in centralized lubrication systems.

Art.no. **88459M** - Hydraulic quick connector, in accordance with norm ISO 7241-1 B, connection thread BSP 1/4" (M), suitable for the use in combination with art.no. 88459.

Art.no. **88462** - Hydraulic quick coupling, connection thread BSP 1/2" (F), in accordance with norm ISO 7241-1 B, suitable for the use with refilling accessories for the refilling of grease reservoirs in centralized lubrication systems.

Art.no. **88462M** - Hydraulic quick connector, connection thread BSP 1/2" (M), in accordance with norm ISO 7241-1 B, suitable for the use with refilling accessories for the refilling of grease reservoirs in centralized lubrication systems.

Electronic flow meters based on the oval gears measuring principle. The flow meters are instruments equipped with an electronic component that permits by the use of a sensor to measure the flow of grease passing through it and transmitting then a signal on a liquid crystal display. The use of this instrument is suitable in all grease supply systems and enables the user to control and to measure the grease flow. Not approved for fiscal transactions.

Art.no. 88350



Art.no. 88300

Electronic oval gears grease flow meter, series **"Grease Control"**, with grease control gun, rigid outlet pipe and hydraulic 4 – jaws – coupler. The calibration of the meter can also be made by the user. Equipped with 2 batteries of 1.5 VDC.

Art.no. 88350

Electronic oval gears grease flow meter, series **"Grease Control"**, suitable for the use as inline meter. The calibration of the meter can also be made by the user. Equipped with 2 batteries of 1.5 VDC.

Art. no.	88300	88350
Connections	1/4" BSP (M)	M 10x1 (F)
Delivery min – max	0.20 - 2 kg/min	
Temperature	+ 2°C / + 50°C	
Max pressure	400 bar	
Precision	+/- 0.3% *	
Total max (resettable)	999.9 kg	
Total max (non resettable)	9999 kg	
Weight	1.4 kg	1.2 kg

*Basic calibration made in factory with grease NLGI 0

Preset Function



Art.no. 88360

Electronic oval gears grease flow meter, series **"Grease Gate"**, with preset function of the desired grease quantity to be supplied. With grease control gun, rigid outlet pipe and hydraulic 4 – jaws – coupler.

The preset function introduces a certain degree of automation since it becomes possible to predetermine the dosages and to stop the grease flow automatically once the preselected value has been reached.

The calibration of the meter can also be made by the user.

Art. no.	88360
Connections	1/4" BSP (M)
Delivery min – max	0.10 - 2 kg/min
Temperature	+ 2°C / + 50°C
Max pressure	300 bar
Precision	+/- 0.5%*
Lowest preselection value	0.010 kg
Total max (resettable)	999.9 kg
Total max (non resettable)	9999 kg
Weight	1.7 kg

*Basic calibration made in factory with grease NLGI 0

Electronic flow meters based on the oval gears measuring principle. The flow meters are instruments equipped with an electronic component that permits by the use of a sensor to measure the flow of grease passing through it and transmitting then a signal on a liquid crystal display. The use of this instrument is suitable in all grease supply systems and enables the user to control and to measure the grease flow. Not approved for fiscal transactions.

Art.no. **88352**



Art.no. **88351**

Electronic oval gears grease flow meter, with grease control gun and rigid outlet pipe, for the measurement of regular quantities in grease transfer applications at relatively low pressure.

The calibration of the meter can also be made by the user.

Art.no. **88352**

Electronic oval gears grease flow meter for the measurement of regular quantities in grease transfer applications suitable for inline uses.

The calibration of the meter can also be made by the user.

Art. no.	88351	88352
Connections	1/2" BSP (M)	1/2" BSP (F)
Delivery min – max	0.05 – 5 kg/min	
Temperature	+2°C / + 50°C	
Max pressure	50 bar	
Precision	+/- 1% *	
Total max (resettable)	999.9 kg	
Total max (non resettable)	9999 kg	
Weight	1.4 kg	1.2 kg

*Basic calibration made in factory with grease NLGI 0

Art.no. **88375**



Art.no. **88370**

Electronic oval gears grease flow meter, with grease control gun and rigid outlet pipe, for the measurement of high quantities in grease transfer applications with pneumatic pumps of the series "Power Bull" at relatively low pressure.

The calibration of the meter can also be made by the user.

Art.no. **88375**

Electronic oval gears grease flow meter for the measurement of high quantities in grease transfer applications suitable for the use as inline meter.

Art. no.	88370	88375
Connections	1" BSP (M)	1" BSP (F)
Delivery min – max	0.5 – 20 kg/min	
Temperature	+2°C / + 50°C	
Max pressure	150 bar	
Precision	+/- 1% *	
Total max (resettable)	999.9 kg	
Total max (non resettable)	9999 kg	
Weight	3 kg	1.6 kg

*Basic calibration made in factory with grease NLGI 0

Metal drum cover, available in different dimensions to suit to the various types of grease drums, including butterfly screws for the fixation of the cover on the drum as well as bung adapter for the fixation of the pump in vertical position.



Art. no.	Suitable for external drum diameters of	Bore suitable for suction tube diameter of	Suitable for pails/drums of	Weight
80512	240 - 283 mm	28 mm	18 kg	2.4 kg
80520	290 - 330 mm		20 kg	2.6 kg
80530	310 - 350 mm		25 kg	2.6 kg
80560	360 - 400 mm		50 kg	2.8 kg
80580	560 - 600 mm		180 kg	3.2 kg

Follower plate with rubber edge, available in different dimensions to suit to the various types of grease drums. The follower plate causes a constant grease level inside of the drum and helps to avoid any air pockets inside of the grease close to the suction tube as well as any disposals of grease on the inner surface of the drum.



Art. no.	Total diameter follower plate	Diameter metal disc	Bore suitable for suction tube diameter of	Suitable for pails/drums of	Weight
80612	275 mm	230 mm	28 mm	18 kg	0.9 kg
80628	310 mm	260 mm		20 kg	1.3 kg
80630	340 mm	286 mm		25 kg	1.6 kg
80634	390 mm	325 mm		50 kg	1.8 kg
80684	590 mm	540 mm		180 kg	5.0 kg

Art.no. **065492**

Plastic bung adapter for fixation of pumps, 2" BSP (M) x 28 mm.

Art.no. **065420-33**

Plastic bung adapter for fixation of pumps, 2" BSP (M) x 33 mm.

Art.no. **065420**

Plastic bung adapter for fixation of pumps, 2" BSP (M) x 40 mm.

Art.no. **065421**

Plastic lock ring for bung adapter, 2" BSP (M), for art. nos. 065492, 065420 and 065420-33.



Art.no.
065492



Art.no.
065420-33
Art.no.
065420



Art.no.
065421

Art.no. **80590-50**

Metal drum cover, including metal bung adapter and metal counter-ring, suitable for the use of pneumatic grease pumps of series "Power Bull" on 180 kg – drums. Total diameter 600 mm, diameter of bore for suction tube in bung adapter of 50 mm. Suitable for art. nos. 81720 - 81710 - 81715 - 81735 - 81740 - 83955 and 81745.



Art.no. **80590**

Metal drum cover such as art. no. 80590-50, but including bung adapter with diameter of bore for suction tube of 70 mm. Suitable for art. nos. 81730 - 81725 - 81755 and 81765.

Grease

Art.no. **80690-50**

Follower plate with rubber edge, for applications with pneumatic grease pumps of series "Power Bull" on 180 kg – drums. The follower plate causes a constant grease level inside of the drum and helps to avoid any air pockets inside of the grease close to the suction tube as well as any disposals of grease on the inner surface of the drum.

Total diameter of follower plate 590 mm, diameter of metal disc 540 mm, diameter of bore for suction tube 50 mm.

Suitable for art. nos. 81720 - 81710 - 81715 - 81735 - 81740 - 83955 and 81745.



Art.no. **80690**

Follower plate such as art. no. 80690-50, but diameter of bore for suction tube 70 mm. Suitable for art. nos. 81730 - 81725 - 81755 and 81765.

Art.no. **32217**

Metal bung adapter for the fixation of pumps, series "Power Bull", 2" BSP (M) x 50 mm, on drums. Suitable for art. nos. 81720 - 81710 - 81715 - 81735 - 81740 and 81745.



Art.no. **32217**



Art.no. **32215**

Art.no. **32215**

Metal bung adapter for fixation of pumps, series "Power Bull", M80x2 (M) x 70 mm, on drums. Suitable for art. nos. 81730 - 81725 - 81755 and 81765.



Art.no. **32214**

Art.no. **32214**

Metal lock ring for bung adapter, M80x2 (M), for art. no. 32215.

Art.no. **32200-50**

Metal flange plate for fixation of pumps, series "Power Bull", with suction tube diameter 50 mm, without bung adapter. Suitable for art. nos. 81720 – 81710 – 81715 – 81840 and 81745 - 81735.



Art.no. **32220-70**



Art.no. **32200-50**

Art.no. **32220-70**

Metal flange plate for fixation of pumps, series "Power Bull", with suction tube diameter 70 mm, without bung adapter. Suitable for art. nos. 81730 - 81725 and 81755 - 81765.

OMPI offers you a complete line of products for the dispensing and monitoring of diesel:

- Pneumatic pumps
- Electric pumps in 12 VDC, 24 VDC and 230 VAC with medium or high delivery
- Diesel supply units and dispensing kits
- Mechanical and electronic flow meters
- Computerized systems for the monitoring and the administration of dispenses
- Storage tanks
- Level gauges
- Control guns
- Hoses and hose reels
- Filters
- Other accessories

The broad product range permits the user to select from the simple diesel dispensing equipment up to complete diesel monitoring systems.

Diesel



Pneumatic pumps for the transfer of diesel. The indicated delivery figures refer on a free flow outlet.



Art.no. **51116**

Pneumatic, rotary vane pump for the transfer of diesel, with filter and bypass valve, body in aluminium.

Art. no.	Comp. air supply	Air consumption	Outlet pressure	Max delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
51116	4 bar	160 l/min	4 bar	28 l/min	1" BSP (F)	5 Kg	140x150x190

Diesel



Art.no. **51112**

Diesel transfer kit, composed of pneumatic, rotary vane pump, art. no. 51116, suction tube with foot valve suitable for 208 l – drums, bung adapter for the fixation of the pump on the drum, 4 m – delivery hose Ø 3/4" and manual aluminium nozzle.



Art. no.	Compressed air supply	Air consumption	Outlet pressure	Max delivery	Connection threads	Weight
51112	4 bar	160 l/min	4 bar	28 l/min	3/4" BSP (F)	12 Kg



Art.no. **51111**

Diesel transfer kit, composed of pneumatic 1:1 - piston pump, standard series, with wall bracket, pressure regulator and air filter with moisture separator, 1,5 m – rubber suction hose Ø 1" BSP with foot valve and filter, electronic in-line turbine flow meter, 4 m - rubber delivery hose 3/4" and **automatic shut-off dispensing nozzle** with inlet swivel.

Optional: diesel/water separating cartridge filter art. no. 70501.

Art. no.	Compressed air supply	Compression ratio	Max outlet pressure	Max delivery	Outlet connection threads	Weight
51111	2 – 8 bar	1: 1	8 bar	35 l/min	3/4" BSP	13 kg

DIESEL KEEPER dispensing system with electronic management making it simple to programme diesel fuel dispensing. For private use, this unit provides effective management of diesel fuel fill-ups.

Above all the system offers the possibility:

- to preset the amounts of diesel oil to be dispensed;
- to allow access only with a Smart Card and/or PIN;
- to efficiently handle data using a computer connected by radio frequency.

Art.no. **71980**

The system is based on electronic fuel distribution management technology using electronic 'Smart Cards'.

The system features a network interface card and PC software to enable the fuel pump manager to monitor each and every transaction and to set up, top up or cancel every card assigned to drivers or vehicles.

The unit can also print inventory reports.

The system can recognize both Driver Smart Cards and Vehicle Smart Cards, handling up to **100 drivers** and **200 vehicles**.

Driver smart cards identify the driver (name/surname, form of access) and are for their own personal use.

Vehicle smart cards identify the vehicle (registration plate / model).

The system offers different forms of access for each driver:

- 1) Access using EITHER method: fuel can be obtained either by typing the PIN or by inserting the smart card;
- 2) Access with SMART CARD option only: the driver can only obtain fuel by inserting their personal smart card
- 3) Access by entering the PIN: the driver must insert their personal smart card and enter their PIN to obtain the fuel.

Consumption monitoring

The software monitors the consumption of all the vehicles inserted into the system.

If any anomalies are detected between the frequency of the fill-ups and the mileage covered by the vehicles, an alarm signal is set off.

The software also calculates any fuel obtained externally and automatically updates the average consumption.

The system can be programmed to allow free use of the pump, or to dispense only the amounts preset using the computer.

Configuration

The software enables management of the whole system:

- configuration of the tanks, product selection, capacity, minimum warning and stop levels
- configuration of the filling units (up to 4), number of pulses per litre, number of the tank (up to 4)
- start/stop of a filling unit in the system, fuel pumping start time and fuel pumping time out
- creation, modification and deletion of driver passwords
- creation, modification and deletion of driver smart cards (personal details, form of access, secure code)
- creation, modification and deletion of vehicle smart cards (vehicle number, description, initial mileage, current mileage, estimated consumption, warning function activation range, alarm set-up)
- transmission of the data from computer to filling unit and vice versa by radio frequency
- activation of vehicle consumption monitoring and insertion of external fill-ups

The filling system can work even if the computer is switched off, and can store up to 500 transactions in its internal memory.



TECHNICAL FEATURES OF THE FILLING UNIT:

- Free-standing unit in painted steel.
- Self-priming electric pump
- Dispensing gun with auto-stop feature.
- 3m long hose with diam. 1" BSP .
- Self-ventilated motor.
- Flow meter with pulse output.
- Input-output electronic unit.
- Low-voltage electric switchboard.
- Noise level under 70dB.
- Flow meter accuracy +/- 0,5%. (min. 10L);
- Network interface card for computer with relative software
- Smart card programmer.

Art. no.	Voltage	Power	Max delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
71980	230 V - 50 Hz	550 W	65 l/min	1" BSP (F)	102 Kg	650x480x1400

43 l/min

Art.no. **51117-12**
Art.no. **51117-14**

Electric vane pump, 12 VDC and 24 VDC, selfpriming, for the transfer of diesel, with transport handle, ON-/OFF-switch and 2 m – cable with alligator clamps for battery connection.



Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
51117-12	12 VDC	216 W	18 A	2800	43 l/min	1" BSP (F)	4,5 Kg	140x150x200
51117-14	24 VDC	240 W	9 A					

60 l/min

Art.no. **70497**
Art.no. **70497-24**

Electric vane pump, 12 VDC and 24 VDC, selfpriming, for the transfer of diesel, with transport handle, ON-/OFF-switch and 4 m – cable with alligator clamps for battery connection.



Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
70497	12 VDC	240 W	30 A	4200	60 l/min	1" BSP (F)	5.6 Kg	130x150x300
70497-24	24 VDC	240 W	15 A					

Art.no. **71487-12**
Art.no. **71487-24**

Diesel transfer kit, mounted on wall bracket. Available with motor in 12 VDC or 24 VDC.

Composed of mechanical flow meter, selfpriming electric vane pump with built-in bypass valve and inlet strainer, ON-/OFF switch, 2 m – cable with alligator clamps for battery connection, suction foot valve with filter, 4 m - rubber delivery hose Ø 3/4" and manual aluminium nozzle.



Optional: automatic shut-off dispensing nozzle with inlet swivel (art. no. 71450).



Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
71487-12	12 VDC	220 W	18 A	2800	40 l/min	1" BSP (F)	14 Kg	430x160x340
71487-24	24 VDC	240 W	9 A					

55 l/min

Art.no. **71478**

Electric vane pump, selfpriming, 230 VAC, for the transfer of diesel. Rotor in sintered steel and vanes in acetal resin. The pump has a built-in bypass valve; protection category IP 55. Delivery 55 l/min.



Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
71478	230 VAC	370 W	1.5 A	2800	55 l/min	1" BSP (F)	7 Kg	170x190x230

65 l/min

Art.no. **71901**
Art.no. **71902**

Electric vane pump, selfpriming, 230 VAC or 400 VAC, for the transfer of diesel. Rotor in sintered steel and vanes in acetal resin. The pump has a built-in bypass valve; protection category IP 55. The low number of rotations of the motor permits a constant flow without turbulences, a low noise and less abrasion of the components. Delivery 65 l/min at 900 rpm.



Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
71901	400 VAC	550 W	2.5 A	900	65 l/min	1" BSP (F)	15 Kg	200x240x300
71902	230 VAC	700 W	6.2 A					

98 l/min

Art.no. **71900**

Electric vane pump, selfpriming, 230 VAC, for the transfer of diesel. Rotor in sintered steel and vanes in acetal resin. The pump has a built-in bypass valve; protection category IP 55. Delivery 98 l/min at 1400 rpm.



Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
71900	230 VAC	550 W	6.2 A	1400	98 l/min	1" BSP (F)	15 Kg	200x240x300

55 l/min



Art.no. **71476**

Diesel transfer kit, with electric 230 VAC – pump, mounted on wall bracket.

Composed of selfpriming electric pump with built-in bypass valve and inlet strainer, ON-/OFF switch, 2 m – cable with plug and fuse, mechanical flow meter, 4 m - rubber delivery hose Ø 3/4", 2 m – suction hose Ø 25 mm, suction foot valve with filter and automatic shut-off dispensing nozzle with inlet swivel.



Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
71476	230 VAC	370 W	1.5 A	2800	55 l/min	1" BSP (F)	18 Kg	400x400x290

90 l/min



Art.no. **71482**

Diesel transfer kit, with electric 230 VAC – pump, mounted on wall bracket.

Composed of selfpriming electric pump with built-in bypass valve and inlet strainer, ON-/OFF switch, 2 m – cable with plug and fuse, mechanical flow meter, 4 m - rubber delivery hose Ø 1", 2 m – suction hose Ø 25 mm, suction foot valve with filter and automatic shut-off dispensing nozzle with inlet swivel.

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
71482	230 VAC	750 W	6.2 A	1400	90 l/min	1" BSP (F)	22 Kg	400x400x290

Art.no. **71479**

Diesel transfer kit, with electric 230 VAC – pump, mounted on wall bracket, but equipped with automatic rewind, spring – driven hose reel, adjustable arms series, in painted steel with 8 m - rubber delivery hose Ø 1", 2 m – connection hose to pump and diesel/water separating cartridge filter.



Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
71479	230 VAC	750 W	6.2 A	1400	80 l/min	1" BSP (F)	42 Kg	400x400x290

40 l/min



Art.no. **70495-12**

Portable diesel-oil transfer unit composed of:

- 12 V vane pump
- 5 mt hose
- aluminium fittings and nozzle

Art.no. **70495-24**

Portable diesel-oil transfer unit with 24 V vane pump

Art. no.	Voltage	Delivery	Weight	Dimensions (LxWxH) (mm)
70495-12	12 Vcc	40 l/min	9 Kg	380x430x250
70495-24	24 Vcc			

Art.no. **71400**



Manual diesel dispensing nozzle, body in aluminium, with plastic hose tail \varnothing 25 mm and dispensing outlet with \varnothing ext. 25 mm, with latch for locking of trigger.

Max flow rate 90 l/min.

The nozzle can also be used for the dispensing of oils with a max. pressure of 7 bar.

Art.no. **71400-F**

Same as art. no. 71400, but with inlet swivel 1" BSP (M-F).

Art.no. **71450**



Automatic shut-off dispensing nozzle for diesel, body in aluminium with rubber protection, with inlet swivel 1" BSP (M-F) and dispensing outlet with \varnothing ext. 24 mm. Max flow rate 60 l/min.

Art.no. **71490**

Automatic shut-off dispensing nozzle for diesel, body in aluminium with rubber protection, with inlet swivel 1" BSP (M-F) and dispensing outlet with \varnothing ext. 29 mm. Max flow rate 110 l/min.

Art.no. **71410**



Manual diesel-dispensing nozzle, body in plastic, with inlet swivel and 25mm plastic hose connection, outlet extension with ext. diam. 25mm and lockable trigger.

Max. flow rate 80L/min.



Art.no. **71451**
Inlet swivel 3/4" BSP (M) – 1" BSP (F).

Art.no. **71458**
Inlet swivel 1" BSP (M) – 1" BSP (F).

Art.no. **71454**
Inlet swivel 3/4" BSP (M) – 1" BSP (M).

Art.no. **71453**
Inlet swivel 1" BSP (M) – 1" BSP (M).

Art.no. **71455**
Inlet swivel 3/4" BSP (M) – 3/4" BSP (M).

Art.no. **71461**
Inlet swivel 1" (M) x 1" 1/4" (M).

Art.no. **70501**

In-line filter for diesel and petrol with 30 microns – cartridge for the absorption of water that is eventually present in the storage tank. The water could particularly become dangerous for the diesel motors of the latest generation. The filter continuously absorbs the water which after some time will cause a reduction of the delivery and also a loss of head of the diesel supply unit. Therefore the waterlogged cartridge must be replaced then. The filter can be installed on the suction side as well as on the delivery side of the diesel supply unit.



Art.no. **70500**

Replacement cartridge, 30 microns, for filter art. no. 70501.

Art. no.	Max flow rate	Working pressure	Burst pressure	Filtration degree	Connection threads	Dimensions (LxWxH) (mm)
70501	70 l/min	3.5 bar	10 bar	30 microns	1" BSP (F)	100 x 280 x 95

Art.no. **70499**

Water separator head and adaptor for 70L/min cartridge.



Art.no. **71525**

Plastic suction filter with hose tail \varnothing 25 mm.



Art.no. **065556**



Art.no. **71525**

Art.no. **71521**

Plastic hose tail \varnothing 25 mm – connection thread 3/4" BSP (M).

Art.no. **71551**

Plastic hose tail \varnothing 25 mm – connection thread 1" BSP (M).

Art.no. **71552**

Plastic hose tail \varnothing 19 mm – connection thread 3/4" BSP (M).

Art.no. **065556**

Suction non-return foot valve, body in plastic, with filter, connection thread 1" BSP (F).



Art.no. **71501**
Art.no. **71504**

Art.no. **71501**

Suction non-return foot valve, body in brass, with filter in stainless steel. Connection thread 1" BSP (F), \varnothing 47.5 mm, total height 91.5 mm



Art.no. **71521**
Art.no. **71551**
Art.no. **71552**

Art.no. **71504**

Suction non-return foot valve, body in brass, with filter in stainless steel. Connection thread 3/4" BSP (F), \varnothing 47.5 mm, total height 91.5 mm

Art.no. **71720**

3-digit mechanical diesel-oil meter. Flow rate 20-120L/min. 1" BSP connection.



Art. no.	Flow range	Connection threads	Dimensioni (L-P-H) (mm)
71720	20 – 120 l/min	1" BSP (F)	170x180x150

Art.no. **71721**

4-digit mechanical diesel-oil meter. Flow rate 20-120L/min. 1" BSP connection.



Art. no.	Flow range	Connection threads	Dimensions (LxWxH) (mm)
71721	20 – 120 l/min	1" BSP (F)	170x180x150

Art.no. **71730-G**
Art.no. **71735-G**

Electronic, oval gears flow meter for diesel, body in aluminium, with 3 different totals (single operation, partial totalizer and absolute totalizer). The 4 – digits partial meter (max. 9999 l) is resettable to zero, the 6 – digits totalizer is non resettable.



Art. no.	Flow range	Max working pressure	Burst pressure	Accuracy*	Resolution	Connection threads	Weight
71730-G	20 – 70 l/min	40 bar	75 bar	+ - 0,5%	0.01 l	1" BSP (F)	1.6 kg
71735-G	20 – 80 l/min					1 1/4" BSP (F)	1.8 kg

* Accuracy in % of flow range after calibration.

Art.no. **71723**

Electronic turbine flow meter for diesel, body in reinforced polyamide, suitable for in-line applications, with 5 – digits partial meter (resettable to zero) and 6 – digits totalizer (non resettable). The meter includes also a flow rate indicator. The display can be rotated in 4 different positions.



Art. no.	Flow range	Max working pressure	Accuracy*	Resolution	Connection threads	Weight
71723	5 – 120 l/min	20 bar	+ / - 1%	0.01 l	1" BSP (M)	0.4 kg

* Accuracy in % of flow range after calibration.



Art.no. **51115**

Pneumatic, selfpriming rotary vane pump for the transfer of petrol, with body in cast iron with anticorrosive coating and plastic rotor. On demand the pump can be supplied with an earth cable to enable an electrostatic discharge.

It is constructed in accordance with directive ATEX 2014/34/EU.

Art. no.	Compressed air supply	Max outlet pressure	Max delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
51115	1 – 4 bar	4 bar	35 l/min	1" BSP (F)	3 kg	140x150x190



Art.no. **51114**

Pneumatic 1:1 – piston pump, suitable for the suction and the transfer of petrol. On demand the pump can be supplied with an earth cable to enable an electrostatic discharge.

It is constructed in accordance with directive ATEX 2014/34/EU.

Art. no.	Compressed air supply	Max outlet pressure	Max delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
51114	2 – 6 bar	6 bar	25 l/min	3/4" BSP (F)	8 kg	530x120x90



Art.no. **51113**

Electric, selfpriming 12 VDC – rotary vane pump (on demand also available in 230 VAC) for the transfer of petrol, with painted body in cast iron with anticorrosive coating, anti-noise filter (electromagnetic compatibility EMC), thermal protection, non-return valve, pressure relief valve, built-in bypass valve.

The pump is constructed in accordance with directive ATEX 2014/34/EU – IECEx (group II – category 2 – G Ex d IIA T4 Gb).

Art. no.	Voltage	Power	Delivery	Current drain	Connection threads	Weight	Dimensions (LxWxH) (mm)
51113	12 VDC	250 W	50 l/min	21 A	1" BSP (F)	7 kg	195x355x270



Art.no. **51119**

Automatic shut-off dispensing nozzle for petrol, with rubber protection.

Mod.	Flow range	Connection threads	Diameter outlet spout	Weight
51119	1 - 50 l/min	3/4" BSP (F)	20 mm	1.2 kg



Art.no. **70507-X**

Jerrycan in polyethylene, suitable for the storage of petrol, with flexible outlet. With UN – approval.

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
70507-5	5 l	0.5 kg	260x140x240
70507-10	10 l	0.65 kg	300x170x260
70507-20	20 l	1.2 kg	350x190x380



Art.no. **70506-X**

Jerrycan in painted sheet steel, suitable for the storage of petrol, internally painted. With UN – approval.

Optional:

- Art. no. **70506-T**: Rigid dispensing outlet with quick connection coupling.
- Art. no. **70506-F**: Flexible dispensing outlet with quick connection coupling.

OPTIONAL
Art.no. **70506-F**

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
70506-5	5 l	1.9 kg	230x120x330
70506-10	10 l	2.9 kg	370x170x280
70506-20	20 l	4.2 kg	350x160x470



Art.no. **70505-X**

Jerrycan in stainless sheet steel, suitable for the storage of petrol, wall thickness 0.8 mm. With UN – approval.

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
70505-10	10 l	2.9 kg	350x170x280
70505-20	20 l	4.2 kg	350x170x473

Speedy Blue MID

Mobile dispensing kit for AdBlue®, composed of 12VDC – selfpriming, electric pump in stainless steel, air separator kit, patented, **approved according to OIML R117-1** in stainless steel, pump pulsation damper, pressure switch, EPDM - connecting hose ø 1/2" for connection pump – suction tube, plastic suction tube with non-return foot valve and bung adapter for fixation on drum, electronic oval gears flow meter for AdBlue®, **approved for fiscal transactions according to MID MI-005, directive 2014/32/EU**, thermal printer for printing a ticket of each individual dispense, 2 m – EPDM delivery hose ø 1/2" and automatic shut-off dispensing nozzle for AdBlue®.

The unit is completely autonomous thanks to an included 12 VDC high performance battery.



High-precision, electronic oval gears flow meter approved for fiscal transactions according to **MID MI-005, Directive 2014/32 / EU**.
Displays all the data of each single dispense (quantity, date/time, progressive number) and records up to 2000 data, which are easily accessible in case of subsequent checks.



System key switch to prevent unauthorized dispenses.
Emergency button.
Battery charge indicator.
Thermal printer, performs the printing of individual reports of all the data at the end of each dispense.



Conformity assessment Art. 17 module **B+D**



Type Approval **MID 156_B_1 - rev. 0**

Art. no.	Suitable for drums of	Max. delivery	Max outlet pressure	Voltage	Current drain	Charging socket	Wheels material	Flow meter	Weight	Dimensions (LxWxH) (mm)
73000	200 l	10 l/min	4 bar	12 Vcc	36 A	CEE 7/16	Polyurethane	MID approved	96 Kg	650 x 900 x 1050
73001						Schuko				
73500						CEE 7/16	Rubber	650 x 900 x 1150		
73501						Schuko	Rubber			
73100						60 l				
73060	MID approved									
73110	standard									

The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.

Art.no. **71704**

Electric, selfpriming gear pump for the supply of AdBlue®; guarantees a constant flow and a low noise level.
 Pump body and gears in IXEF.
 Protection category IP 55.
 Includes ON/OFF – switch and 1.5 m – cable with plug.



Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
71704	230 VAC 50 Hz	5.3	1400	250 W	4 bar	15 l/min	1/2" BSP (M)	7 kg	240x290x180

Art.no. **70899**

Electric, selfpriming gear pump for the supply of AdBlue®; guarantees a constant flow and a low noise level.
 Pump body in stainless steel AISI 304, gears in Kevlar®.
 Protection category IP 55.
 Includes ON/OFF – switch and 1.5 m – cable with plug and a bypass valve preset on 5 bar pressure.



Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
70899	230 VAC - 50 Hz	5.3 A	2760	370 W	15 bar	10.5 l/min	1/2" BSP (M)	7.5 Kg	150x300x190

Art.no. **71706**
 Art.no. **71707**

Electric, selfpriming gear pump, with motor in 12 VDC or 24 VDC, for the supply of AdBlue®.
 Pump body and gears in IXEF.
 Includes ON/OFF-switch and 2.5 m – cable with alligator clamps for battery connection.



Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
71706	12 VDC	30 A	2800	240 W	2 bar	25 l/min	1/2" BSP (M)	3.6 Kg	260x130x140
71707	24 VDC	15 A							

Art.no. **70140**

Electric dispensing kit for AdBlue®, composed of 230 VAC – electric pump (art. no. 71704), suitable for the use with 1000 l – IBC – tanks, including lateral, metal mounting frame with gun holder, 1 m – EPDM suction hose \varnothing 1/2" with special adapter for connection to the bottom valve of the tank, 3 m – EPDM delivery hose \varnothing 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet \varnothing 16 mm.

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Max. delivery	Weight
70140	230 VAC - 50 Hz	5.3 A	1360	250 W	4 bar	25 l/min	22 Kg

Art.no. **70100**

Electric dispensing kit for AdBlue®, composed of 230 VAC – electric pump (art. no. 71704), suitable for the use in 1000 l – IBC – tanks, with bung adapter, metal mounting frame with gun holder, suction tube with 0.8 m - connection hose to pump, automatic rewind, spring – driven hose reel, adjustable arms series, in stainless steel, with 15 m – EPDM delivery hose \varnothing 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet \varnothing 16 mm (art.no. 71310).

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Max. delivery	Weight
70100	230 VAC - 50 Hz	5.3 A	1360	250 W	4 bar	20 l/min	48 Kg

Art.no. **70070**

Same kit as art. no. 70100, but with automatic shut-off dispensing nozzle for AdBlue® instead of electronic oval gears flow meter for with control dispensing nozzle.



Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Max. delivery	Weight
70070	230 VAC - 50 Hz	5.3 A	1360	250 W	4 bar	20 l/min	48 Kg

Art.no. **70120**

Electric transfer system for AdBlue®, composed of 230V stainless-steel pump art.no. 70899 with rubber impeller, suitable for 1000L tanks, with digital flow meter art.no. 15710, ring nut and pump metal holder, spring driven stainless-steel hose reel with 15 mt flexible hose, filling gun with automatic stop.



Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Max. delivery	Weight
70120	230 VAC - 50 Hz	5.3 A	1360	750 W	4 bar	20 l/min	48 Kg

Art.no. **70020**

Pneumatic dispensing kit for AdBlue®, composed of 3:1 – pneumatic piston pump with wetted parts in stainless steel (art. no. 22060), suitable for the use in 1000 l – IBC – tanks, delivery 15 l/min., with bung adapter, metal mounting frame with gun holder, pressure regulator and air filter with moisture separator, automatic rewind, spring – driven hose reel, adjustable arms series, in stainless steel, with 15 m – EPDM delivery hose ø 1/2” and electronic oval gears flow meter for AdBlue®, filling gun with automatic stop.



Art. no.	Compressed air supply	Compression ratio	Max outlet pressure	Max delivery	Weight
70020	3-8 bar	1: 1	24 bar	15 l/min	34 kg



Art.no. **71000**

Pneumatic dispensing kit for AdBlue®, composed of pneumatic 1:1 - piston pump with wetted parts in stainless steel, suitable for the use in drums or in 1000 l – IBC – tanks, pressure regulator and air filter with moisture separator, bung adapter, 3 m – EPDM delivery hose \varnothing 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet \varnothing 16 mm.

Art.no. **71000-P**

Same kit as art. no. 71000, but with automatic shut-off dispensing nozzle for AdBlue® instead of electronic oval gears flow meter for with control dispensing nozzle.

Art.no. **71000**

Art.no. **71000-P**

Art. no.	Compressed air supply	Max outlet pressure	Max delivery	Weight
71000	2-8 bar	8 bar	15 l/min	9 kg
71000-P				10 kg

Art.no. **70050**

Pneumatic dispensing kit for AdBlue®, composed of 3:1 – pneumatic piston pump with wetted parts in stainless steel (art. no. 22060), suitable for the use in 1000 l – IBC – tanks, delivery 15 l/min., with bung adapter, metal mounting frame with gun holder, pressure regulator and air filter with moisture separator, automatic rewind, spring – driven hose reel, adjustable arms series, in stainless steel, with 15 m – EPDM delivery hose \varnothing 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet \varnothing 16 mm.



Art. no.	Compressed air supply	Compression ratio	Max outlet pressure	Max delivery	Weight
70050	2-8 bar	3: 1	24 bar	15 l/min	34 kg

The **European Directive 2014/32/EU** better known as Directive **MID** (Measuring Instruments Directive), is a community norm responding to reasons of public interest, safety and order, protection of the environment and the consumer, of levying taxes and duties and of fair trading. All these points affect directly and indirectly the daily life of citizens in many ways and require certified measuring systems subject to legal verification.

The **MID MI-005** involves measuring systems for continuous and dynamic measurement of quantities of liquids other than water, among those also AdBlue®/DEF/AUS32.

The OMPI flow meter for AdBlue® series "MIDBlue" complies with metrological standards and requirements concerning accuracy defined in the a.m. Directive and can be used therefore as approved meters also in fiscal transactions.



MIDBlue Counter

Art.no. **15600**

Electronic oval gears flow meter for AdBlue®, **approved for fiscal transactions according to MID MI-005, Directive 2014/32/EU**, with rubber protection guard, plastic control gun, inlet swivel in stainless steel 1/2" BSP (M), fluid flow control tube with transparent insert, rigid outlet in stainless steel, ø 16 mm, with automatic anti-drip nozzle in stainless steel. This flow meter entirely meets the requirements of the **OIML R117-1** (Dynamic measuring systems for liquids other than water) and Welmeq 7.2 software guide, 2018.

Art.no. **15720**

Flow meter based on art.no. 15600 suitable for inline use.



Conformity assessment Art. 17 modules **B+D**



Type Approval MID 89_B_2 - rev. 1

OPERATING CONDITIONS FOR THE USE	
Fluid type	AdBlue® / AUS32
Flow range	0.5 – 10 l/min
Min measurable quantity	0.5 l
Accuracy class	0.5 (MID MI-005 – OIML R117-1)
Operating temperature range	-10° C / +40° C
Working pressure range	1 – 4 bar
Display resolution degree	0.005 l
Mechanical environment category	M1
Electromagnetic environment category	E2
Checksum code	cksum E57E
Protection category	IP 64
Underlying CE directives	2004/108/CE - 2006/95/CE
Underlying CE norms	CEI EN 61000-4-2 CEI EN 61000-4-2 A1 CEI EN 61000-4-2 A2 CEI EN 61000-4-3
Single operations data storing capacity	2000 dispenses
Composition of storable single operations data	<ul style="list-style-type: none"> - Serial number of single dispense - Year of dispense - Month and day of dispense - Time of dispense - Dispensed quantity of single operation - Absolute total of dispensed quantities

Art.no. **71310**

Electronic oval gears flow meter for AdBlue®, not approved for fiscal transactions, body in plastic with high density glass fibre IXEF, gears in PPS and PTFE, with plastic control gun, inlet swivel in stainless steel 1/2" BSP (M) and rigid outlet in stainless steel, ø 16 mm, with automatic anti-drip nozzle in stainless steel.



Art. no.	Max working pressure	Max flow rate	Accuracy	Connection thread	Weight	Dimensions (LxWxH) (mm)
71310	25 bar	30 l/min	+/- 0.5%	1/2" BSP (M)	1.2 kg	95x95x460

Art.no. **15710**

Electronic oval gears flow meter for AdBlue®, not approved for fiscal transactions, body in plastic with high density glass fibre IXEF, gears in PPS and PTFE, suitable for inline applications.



Art. no.	Max working pressure	Max flow rate	Accuracy	Connection thread	Weight	Dimensions (LxWxH) (mm)
15710	20 bar	30 l/min	+/- 0.5%	1/2" BSP (F)	0.8 kg	95x90x105

Art.no. **71315**

Electronic turbine flow meter for AdBlue®, body in reinforced polyamide, suitable for in-line applications, with 5 – digits partial meter (resettable to zero) and 6 – digits totalizer (non resettable). The meter includes also a flow rate indicator. The display can be rotated in 4 different positions.



Art. no.	Max working pressure	Max flow rate	Accuracy	Connection thread	Weight	Dimensions (LxWxH) (mm)
71315	20 bar	100 l/min	+/-1%	1" BSP (M)	0.4 kg	100x54x74

Art.no. **71300**



Automatic filling nozzle for AdBlue®, body with rubber protection, with Viton® gaskets, wetted parts and rigid dispensing outlet (ø 19 mm) in stainless steel, swivel hose tail ø 19 mm.

Art. no.	Max working pressure	Flow range	Connection thread	Weight	Dimensions (LxWxH) (mm)
71300	8 bar	1 - 35 l/min	Hose tail ø 19 mm – 3/4" BSP (M)	2.5 kg	400x155x56

Art.no. **71301**



Automatic shut-off dispensing nozzle for AdBlue®, body in coated aluminium, internal components in stainless steel and plastic, suitable for the use with light vehicles, with integrated misfilling prevention, antidrip device on outlet, inlet swivel 3/4" BSP (M). Dispensing only possible in conjunction with filling points according to ISO 22241-5. Includes also test adapter and an adjustment key for changing the flow rate.

Art. no.	Max working pressure	Flow range	Connection thread	Weight	Dimensions (LxWxH) (mm)
71301	min. 1.5 bar – max. 3.5 bar	1 - 10 l/min	3/4" BSP (M)	1.5 kg	400x155x56

Art.no. **22100**



Art.no. **22100**



Art.no. **28971**

Plastic suction tube, ø 40 mm, length 1100 mm, with bung adapter 2" BSP for fixation on drums or tanks and 90° - elbow adapter ø 25 mm for hose connection. Suitable for 1000 l – IBC – tanks.

Art.no. **28971**

EPDM delivery hose, ø 3/4" (sold by the meter).

Art.no. **22110**



Art.no. **22110**



Art.no. **74562**

Suction kit for AdBlue® drums and tanks, composed of plastic suction tube (in HDPE) with plug head BCS 56x4 and foot valve and SEC/CDS - suction coupling with 90° - elbow hose tile ø 20 mm for hose connections.

Art.no. **74562**

Stainless-steel foot valve for rigid or flexible EPDM suction pipe.



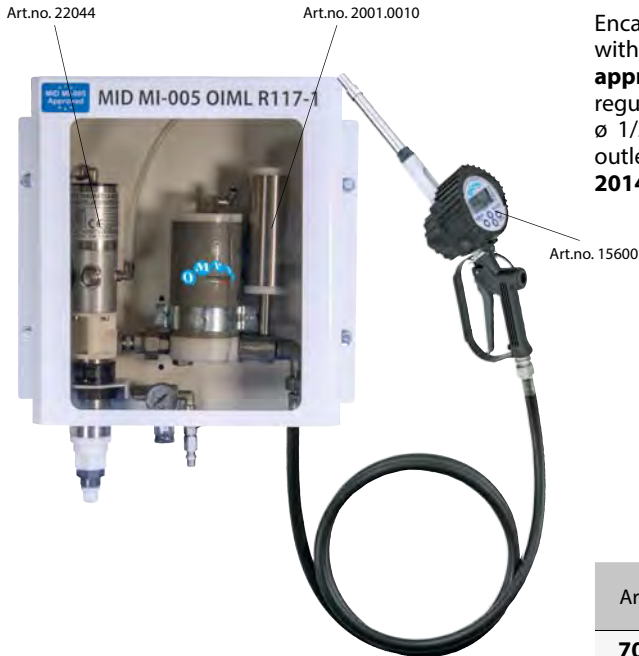
Dispensing kits for AdBlue®/ DEF/AUS32 equipped with flow meter **approved according to MID MI-005**, automatic air separator kit (suitable to separate the air eventually present in the suction line) and pulsation dumper **approved according to OIML R117-1**.

The dispensing kits for AdBlue® comply with all metrological standards and requirements concerning accuracy defined in the **Directive 2014/32/EU** and can be used therefore as approved dispensing kits also in fiscal transactions.

The following kits include a wall bracket suitable for wall- or tank installation.

Art.no. 70250

Encased dispensing kit for AdBlue®, composed of pneumatic 1:1 – piston pump, with wetted parts in stainless steel and plastic, air separator kit, patented, **approved according to OIML R117-1**, pump pulsation damper, pressure regulator and air filter with moisture separator, 3 m – EPDM delivery hose \varnothing 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet \varnothing 16 mm, **approved for fiscal transactions according to MID MI-005, Directive 2014/32/EU**.



Art. no.	Compressed air supply	Max outlet pressure	Max. delivery	Weight	Dimensions (LxWxH) (mm)
70250	2-4 bar	4 bar	10 l/min	12 kg	400x370x250

The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.

Art.no. 70450

Encased electric dispensing kit for AdBlue® composed of digital flow meter approved for fiscal transactions **according to MID MI-005, Directive 2014/32/EU**, electric pump 230V - 550W, air separator kit, patented, approved **according to OIML R117-1**, pump pulsation damper, pressure regulator, 3 m – EPDM delivery hose \varnothing 1/2", filling gun with automatic stop and thermal printer for printing the ticket of each individual dispense.

Art.no. 70400

Encased electric dispensing kit for AdBlue®, based on art.no.70450 without thermal printer.



Art. no.	Voltage	Current drain	Power	Outlet pressure	Max. delivery	Weight	Dimensions (LxWxH) (mm)
70400 70450	230 VAC - 50 Hz	5.3 A	550 W	4 bar	10 l/min	13 kg	400x370x250

The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.



Art.no. **70300**

Encased electric dispensing kit for AdBlue® composed of digital flow meter with control gun approved for fiscal transactions **according to MID MI-005, Directive 2014/32/EU**, electric pump 12Vcc, air separator kit, patented, **approved according to OIML R117-1**, pump pulsation damper, pressure regulator and 3 m – EPDM delivery hose ø 1/2”.

Art. no.	Voltage	Current drain	Power	Outlet pressure	Max. delivery	Weight	Dimensions (LxWxH) (mm)
70300	12 Vcc	6	550 W	4 bar	10 l/min	10 kg	400x370x250

The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.



Art.no. **70200**

Encased electric dispensing kit for AdBlue® composed of digital flow meter with control gun approved for fiscal transactions **according to MID MI-005, Directive 2014/32/EU**, electric pump 230V - 550W, air separator kit, patented, **approved according to OIML R117-1**, pump pulsation damper, pressure regulator and 3 m – EPDM delivery hose ø 1/2”.

Art. no.	Voltage	Current drain	Power	Outlet pressure	Max. delivery	Weight	Dimensions (LxWxH) (mm)
70200	230 V - 50 Hz	5.3	550 W	4 bar	10 l/min	13 kg	400x370x250

The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.



Art.no. **33400**

Encased electric dispensing kit for AdBlue® composed of electric pump 230V - 550W, air separator kit, patented, **approved according to OIML R117-1**, pressure regulator and 3 m – EPDM delivery hose ø 1/2”.

Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
33400	230 V - 50 Hz	370 W	5,3 A	2760	15 bar	10 l/min	M 1/2" BSP	13 kg	480x460x260



Art.no. **33600**

Encased electric dispensing kit for AdBlue® composed of pneumatic pump 1:1, air separator kit, patented, **approved according to OIML R117-1** and 3 m – EPDM delivery hose ø 1/2”.

MIDBlue P Unit

Art.no. **70600**



Pneumatic dispenser unit for AdBlue®, composed of pneumatic 1:1 – piston pump, with wetted parts in stainless steel and plastic, air separator kit, patented, **approved according to OIML R117-1**, pump pulsation damper, pressure regulator and air filter with moisture separator, automatic rewind, spring-driven hose reel, with 8 m – EPDM delivery hose \varnothing 1/2" and electronic oval gears flow meter for AdBlue® with control gun and rigid outlet \varnothing 16 mm, **approved for fiscal transactions according to MID MI-005, Directive 2014/32/EU.**

The dispenser unit includes also keys for the main switch to prevent non-authorized dispenses.



Art. no.	Compressed air supply	Max outlet pressure	Max. delivery	Weight	Dimensions (LxWxH) (mm)
70600	2-4 bar	4 bar	10 l/min	36 kg	500x390x1410

The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.

MIDBlue E Unit

Art.no. **70650**



Electric dispenser unit for AdBlue®, composed of 230 VAC – 550 W selfpriming electric gear pump, with pump body in stainless steel and gears in KEVLAR®, air separator kit, patented, **approved according to OIML R117-1**, pump pulsation damper, pressure switch, automatic rewind, spring-driven hose reel, with 8 m – EPDM delivery hose \varnothing 1/2", automatic shut-off dispensing nozzle and electronic oval gears flow meter **approved for fiscal transactions according to MID MI-005, Directive 2014/32/EU.**

The dispenser unit includes also keys for the main switch to prevent non-authorized dispenses.

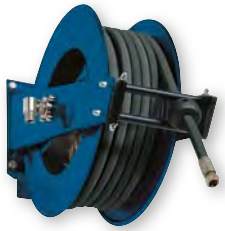
Art.no. **70651**

Electric dispenser unit for AdBlue® based on art.no.70650 with standard flow meter not approved for fiscal transactions.



Art. no.	Voltage	Current drain	Power	Outlet pressure	Max. delivery	Weight	Dimensions (LxWxH) (mm)
70650	230 VAC - 50 Hz	5.3 A	550 W	4 bar	10 l/min	38 kg	500x390x1410
70651							

The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.



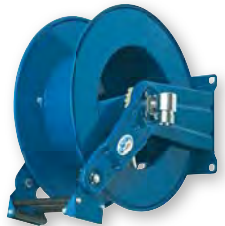
STANDARD SERIES

The most common, most economic and extremely approved version, suitable for hose diameters up to 1/2".



ENCLOSED SERIES

Two metal enclosures provide an optimal protection of the hose and improve the esthetic effect of the installation.



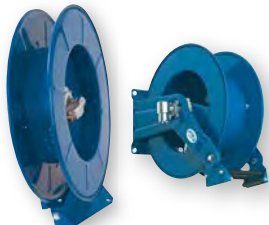
ADJUSTABLE ARMS SERIES

In this version the outlet direction of the hose can be adjusted into various positions. Thus it permits a mounting of the hose reel also on the ceiling. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted.



HEAVY DUTY SERIES

The models of this series are suitable for applications under high mechanical demands.



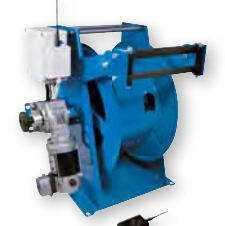
THIN REEL SERIES

Its innovative constructional design characterizes the models of this series which are particularly suitable in applications with limited space in width thanks to its overall width of max. 150 mm, f. ex. for the installation inside of compact cabinets.



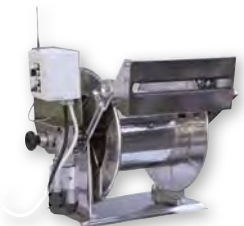
MANUAL SERIES

Hose reels with unwinding and rewinding of the hoses by means of a hand crank.



SPECIAL HOSE REELS

In this category can be found hose reels with special technical and/or constructive characteristics, such as those with electro-mechanical or hydraulic rewinding systems and hose reels with a hose guide system enabling a better rewinding.



All hose reels can be supplied without or with the requested hoses already mounted. Catalogue pages 164-165 shall help you in choosing the suitable hose type and length.



The hose reel models which are marked with the ATEX symbol are available with the corresponding ATEX certificate, in accordance with directive ATEX 2014/34/EU- group II - category 2.

SERIES	Page	Hose diameter	MAX INSTALLABLE HOSE LENGTH												
			8 m	10 m	15 m	18 m	20 m	25 m	30 m	35 m	40 m	50 m	60 m	70 m	100 m
STANDARD	140	1/4"	37115	37115	37115	37120	37120	37125							
		3/8"	37115	37115	37115	37120	37120	37125							
		1/2"	37115	37115	37115	37120	37120								
ENCLOSED	141	1/4"	35300	35300	35300	35400	35400	35600							
		3/8"	35300	35300	35300	35400	35400	35600							
		1/2"	35300	35300	35300	35400	35400								
		3/4"	35300B												
ADJUSTABLE ARMS	142-143-144-145	1/4"	37115B	37115B	37115B	37114	37114	37120B	36471	36470	36472	36480	36480	36481	36481
		3/8"	37115B	37115B	37115B	37114	37114	37120B	36471	36470	36472	36480	36480	36481	36481
		1/2"	37115B	37115B	37115B	37120B	37120B	37125B	36471	36470	36472	36480	36480	36481	36481
	146-147-148	3/4"	36200B	36200B	36215	36800	36475	36473	36425	36485	36485	36483			
		1"	36200B	36215	36800	36473	36425	36484	36484						
	149	1 1/4"	36217	36445	36445	36445	36445								
		1 1/2"	36213	36213	36213										
HEAVY DUTY	150	1/2"	36150	36150	36150	36150	36150	36300							
	151	3/4"	36200	36200	36100	36100	36400	36400	36400	36400					
			1"	36200	36100	36100	36400	36400	36400						
"THINREEL"	152	1/4"	38600	38600	38600	38700	38700	38700							
		1/2"	38600	38700	38700	38700	38700	38700							
MECHANICAL	157	1/2"	36490	36490	36490	36490	36490	36490	36490	36490	36490	36490	36490		
HYDRAULIC REWINDING	159	1/2"	37497	37497	37497	37497	37497	37497	37497	37497	37497	37497	37497	37497	
		3/4"	37496	37496	37496	37496	37496	37496	37496	37496	37496	37496	37496		
		1"	37496	37496	37496	37496	37496	37496	37496	37496	37496	37496	37496		
ELECTRO-MECHANICAL REWINDING	158	1/2"	36590	36590	36590	36590	36590	36590	36590	36590	36590	36590	36590	36590	
		3/4"	36592	36592	36592	36592	36592	36592	36592	36592	36592	36592	36592		
		1"	36592	36592	36592	36592	36592	36592	36592	36592	36592	36592	36592		
AUTO "LS"	153	1/2"	36271	36271	36271	36272	36272								
		1"	36270												
MANUAL "LS"	154	1/4"	38150	38150	38150	38150	38150	38150	38160	38160	38160	38155	38155	38155	38165
		3/8"	38150	38150	38150	38150	38150	38160	38160	38160	38155	38165	38165	38165	
		1/2"	38150	38150	38150	38160	38160	38160	38155	38155	38165				
		3/4"	38180	38180	38180	38190	38190	38190							
		1"	38180	38180	38190	38190	38190								

SERIES	Page	Hose diameter	MAX INSTALLABLE HOSE LENGTH												
			8 m	10 m	15 m	18 m	20 m	25 m	30 m	35 m	40 m	50 m	60 m	70 m	100 m
STANDARD	140	1/4"	38200	38200	38200	38300	38300	38210							
		3/8"	38200	38200	38200	38300	38300	38210							
		1/2"	38200	38200	38200	38300	38300								
ENCLOSED	141	1/4"	38310	38310	38310	38320	38320	38340							
		3/8"	38310	38310	38310	38320	38320	38340							
		1/2"	38310	38310	38310	38320	38320								
		3/4"	38330												
ADJUSTABLE ARMS	142-143-144-145	1/4"	37118	37118	37118	37157	37157	37119	37158	37142	37159	37147	37147	36482	36482
		3/8"	37118	37118	37118	37157	37157	37119	37158	37142	37159	37147	37147	36482	36482
		1/2"	37118	37118	37118	37119	37119	37153	37158	37142	37159	37147	37147	36482	36482
	146-147-148	3/4"	37150	37150	37155	37160	37143	37161	37162	37148	37148	37156			
		1"	37150	37155	37160	37161	37162	37163	37163						
	149	1 1/4"	36218	36212	36212	36212	36212								
		1 1/2"	37151	37151	37151										
HEAVY DUTY	150	1/2"	38350	38350	38350	38400	38400	37141	37145	37145	37145				
	151	3/4"	38360	38360	38361	38361	37146	37146	37146						
			1"	38360	38361	38361	37146	37146	37146						
MECHANICAL	157	1/2"	37490	37490	37490	37490	37490	37490	37490	37490	37490	37490	37490		
HYDRAULIC REWINDING	159	1/2"	37494	37494	37494	37494	37494	37494	37494	37494	37494	37494	37494	37494	
		3/4"	37495	37495	37495	37495	37495	37495	37495	37495	37495	37495	37495		
		1"	37495	37495	37495	37495	37495	37495	37495	37495	37495	37495	37495		
ELECTRO-MECHANICAL REWINDING	158	1/2"	36591	36591	36591	36591	36591	36591	36591	36591	36591	36591	36591	36591	
		3/4"	36593	36593	36593	36593	36593	36593	36593	36593	36593	36593	36593		
		1"	36593	36593	36593	36593	36593	36593	36593	36593	36593	36593	36593		
MANUAL "LSX"	155	1/4"	38100	38100	38100	38100	38100	38100	38115	38115	38115	38115	38110	38110	38130
		3/8"	38100	38100	38100	38100	38100	38115	38115	38115	38110	38110	38130	38130	
		1/2"	38100	38100	38100	38115	38115	38115	38110	38110	38130	38130			
		3/4"	38120	38120	38120	39140	39140	39140							
		1"	38120	38120	39140	39140	39140								

In the following chart can be found the article numbers and descriptions of different hose types for the mounting on the reel as supply hoses in the most common lengths:

FLUID TYPE	Internal hose diameter	Max working pressure	HOSE LENGTH										MATERIAL
			8 m	10 m	15 m	20 m	25 m	30 m	35 m	40 m	50 m	60 m	
GREASE	1/4"	400 bar	81008	81010	81015	81020	81025	81030	81035	81040	81050	81060	SAE100 R2AT
	3/8"	330 bar	82008	82010	82015	82020	82025	82030	82035	82040	82050	82060	SAE100 R2AT
OIL	1/2"	160 bar	31008	31010	31015	31020	31025	31030	31035	31040	31050	31060	SAE100 R1AT
	3/8"	160 bar	20008	20010	20015	20020	20025	20030	20035	20040	20050	20060	SAE100 R1AT
	3/4"	105 bar	40008	40010	40015	40020	40025	40030	40035	40040	40050	40060	SAE100 R1AT
COMPRESSED AIR	1/2"	40 bar	45008	45010	45015	45020	45025	45030	45035	45040	45050	45060	PVC
	3/4"	40 bar	44008	44010	44015	44020	44025	44030	44035	44040	44050	44060	PVC
WATER	3/8"	160 bar	20008	20010	20015	20020	20025	20030	20035	20040	20050	20060	SAE100 R1AT
	3/8"	400 bar	23008	23010	23015	23020	23025	23030	23035	23040	23050	23060	SAE100 R2AT
	1/2"	15 bar	21008	21010	21015	21020	21025	21030	21035	21040	21050	21060	SYNTHETIC EDIBLE
	1/2"	40 bar	45008	45010	45015	45020	45025	45030	45035	45040	45050	45060	PVC
	3/4"	40 bar	44008	44010	44015	44020	44025	44030	44035	44040	44050	44060	PVC
DIESEL	3/4"	105 bar	40008	40010	40015	40020	40025	40030	40035	40040	40050	40060	SAE100 R1AT
	3/4"	10 bar	61008	61010	61015	61020	61025	61030	61035	61040	61050	61060	CARBOPOMP
	1"	10 bar	71008	71010	71015	71020	71025	71030	71035	71040	71050	71060	CARBOPOMP
	3/4"	10 bar	62008	62010	62015	62020	62025	62030	62035	62040	62050	62060	VACUPRESS
	1"	10 bar	71608	71610	71615	71620	71625	71630	71635	71640	71650	71660	VACUPRESS
ADBLUE /DEF/ AUS32	1/2"	20 bar	28978	289710	289715	289720	289725	289730	289735	289740	289750	289760	EPDM

In the following chart can be found the article numbers and descriptions of different hose types used as connection hoses and mounted at the hose reel inlet swivel joint in the most common lengths:

FLUID TYPE	Internal hose diameter	Max working pressure	HOSE LENGTH						MATERIAL	
			0,5 m	1 m	1,5 m	2 m	3 m	4 m		5 m
GREASE	1/4"	400 bar	810005	81001	810015	81002	81003	81004	81005	SAE100 R2AT
	3/8"	330 bar	820005	82001	820015	82002	82003	82004	82005	SAE100 R2AT
OIL	1/2"	160 bar	310005	31001	310015	31002	31003	31004	31005	SAE100 R1AT
	3/8"	160 bar	200005	20001	200015	20002	20003	20004	20005	SAE100 R1AT
	3/4"	105 bar	400005	40001	400015	40002	40003	40004	40005	SAE100 R1AT
COMPRESSED AIR	1/2"	40 bar	450005	45001	450015	45002	45003	45004	45005	PVC
	3/4"	40 bar	440005	44001	440015	44002	44003	44004	44005	PVC
WATER	3/8"	160 bar	200005	20001	200015	20002	20003	20004	20005	SAE100 R1AT
	3/8"	400 bar	230005	23001	230015	23002	23003	23004	23005	SAE100 R2AT
	1/2"	15 bar	210005	21001	210015	21002	21003	21004	21005	SYNTHETIC EDIBLE
	1/2"	40 bar	450005	45001	450015	45002	45003	45004	45005	PVC
	3/4"	40 bar	440005	44001	440015	44002	44003	44004	44005	PVC
DIESEL	3/4"	105 bar	400005	40001	400015	40002	40003	40004	40005	SAE100 R1AT
	3/4"	10 bar	610005	61001	610015	61002	61003	61004	61005	CARBOPOMP
	1"	10 bar	710005	71001	710015	71002	71003	71004	71005	CARBOPOMP
	3/4"	10 bar	620005	62001	620015	62002	62003	62004	62005	VACUPRESS
	1"	10 bar	716005	71601	716015	71602	71603	71604	71605	VACUPRESS
ADBLUE /DEF/ AUS32	1/2"	20 bar	289705	289711	289715	289722	28973	28974	28975	EPDM



The hoses are supplied with swaged female connection threads (connecting nuts).

Hose Reels

EXAMPLE FOR READING THE CHARTS

FLUID TYPE	Internal hose diameter	Max working pressure	Hose length				
			0,5 m	1 m	1,5 m	2 m	3 m
GREASE	1/4"	400 bar	810005	81001	810015	81002	81003
	3/8"	330 bar	820005	82001	820015	82002	82003
OIL	1/2"	160 bar	310005	31001	310015	31002	31003
	3/8"	160 bar	200005	20001	200015	20002	20003
	3/4"	105 bar	400005	40001	400015	40002	40003

FLUID →

DIAMETER →

MAX. WORKING PRESSURE →

ART. NO. HOSE →

TOTAL LENGTH INCL. CONNECTION FITTING →

Standard series Ø max 1/2" - up to 20 m length
 Ø max 3/8" - up to 25 m length

Automatic rewind, spring-driven hose reel, **standard series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 20 m length (Ø hose 1/2") or max 25 m length (Ø hose 3/8").

The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts.

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

Please see catalogue pages 164 and 165 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 37115/HB)



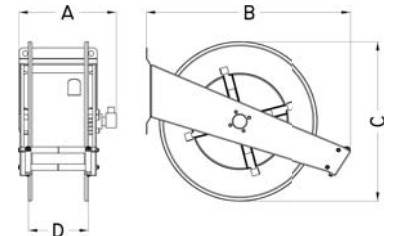
Art.no. **39535**
 Art.no. **39502**



Art.no. **39600**
 Art.no. **39601**

Hose Reels


 On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU - group II - category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
37115	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	39535	9951	215x570x430	120 mm	14 Kg
37120					1/2"	20 m	39502		245x570x430	150 mm	18 Kg
37125					3/8"	25 m	39502		245x570x430	150 mm	19 Kg
38200	Stainless steel AISI 304	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	39600	9968	215x570x430	120 mm	14 Kg
38210					3/8"	25 m	39601		245x570x430	150 mm	19 Kg
38300					1/2"	20 m	39601		245x570x430	150 mm	18 Kg

Enclosed series Ø max 1/2" - up to 20 m length
 Ø max 3/8" - up to 25 m length

Automatic rewind, spring-driven hose reel, **enclosed series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 20 m length (Ø hose 1/2") or max 25 m length (Ø hose 3/8"). The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts. The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

Please see catalogue pages 164 and 165 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 35300/HB)

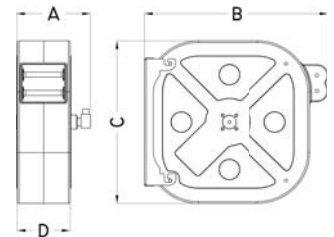
Please note: the spring brake kit is available only for art.nos. 35300-38310.



Art.no. **39507**



Art.no. **39508**



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 1/4" - 1/2"	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
35300	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m - 10 m	39507	9951	215x530x470	120 mm	26 Kg
35400		600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	20 m - 15 m				27 Kg	
35300B		100 bar	1" (M) - 3/4" (F)	20 mm	3/4"	8 m			245x530x470	150 mm	26 Kg
35600		600 bar	1/2" (M) - 1/2" (F)	10 mm	3/8"	25 m				29 Kg	
38330	Stainless steel AISI 304	100 bar	1" (M) - 3/4" (F)	20 mm	3/4"	8 m	39508	9968	245x530x470	150 mm	26 Kg
38310		200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m - 10 m				26 Kg	
38320		200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	20 m - 15 m			245x530x470	150 mm	27 Kg
38340		200 bar	1/2" (M) - 1/2" (F)	10 mm	3/8"	25 m				29 Kg	

Automatic rewind, spring-driven hose reel, **adjustable arms series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 25 m length and max diameter of 1/2". The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts .

Please see catalogue pages 164 and 165 for the selection of the required hoses.

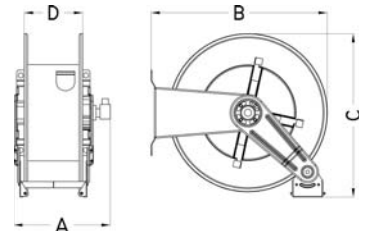
On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 37114/HB)



Art.no. **39535**
Art.no. **39502**



Art.no. **39600**
Art.no. **39601**




On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU – group II – category 2.

Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/8" - 1/2"	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight		
37115B	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	39535	9951	240x560x450	120 mm	12 kg		
37114						20 m -15 m						15 kg	
37120B						25 m -20 m	39502				270x560x450	150 mm	16 kg
37125B						25 m					303x560x450	200 mm	19 kg
37118	Stainless steel AISI 304	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	39600	9968	240x560x450	120 mm	12 kg		
37130						20 m -15 m						15 kg	
37157						25 m -20 m	39601				270x560x450	150 mm	16 kg
37119						25 m					303x560x450	200 mm	19 kg
37140						25 m							
37153													

Automatic rewind, spring-driven hose reel, **adjustable arms series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 40 m length (\varnothing hose max.1/2").

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water. The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts .

Please see catalogue pages 164 and 165 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36470/HB)

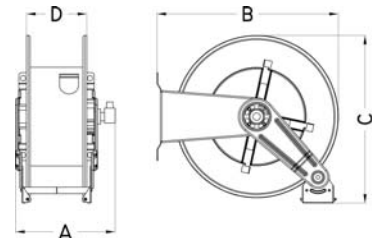


Art.no. **39502**



Art.no. **39601**

On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU – group II – category 2.



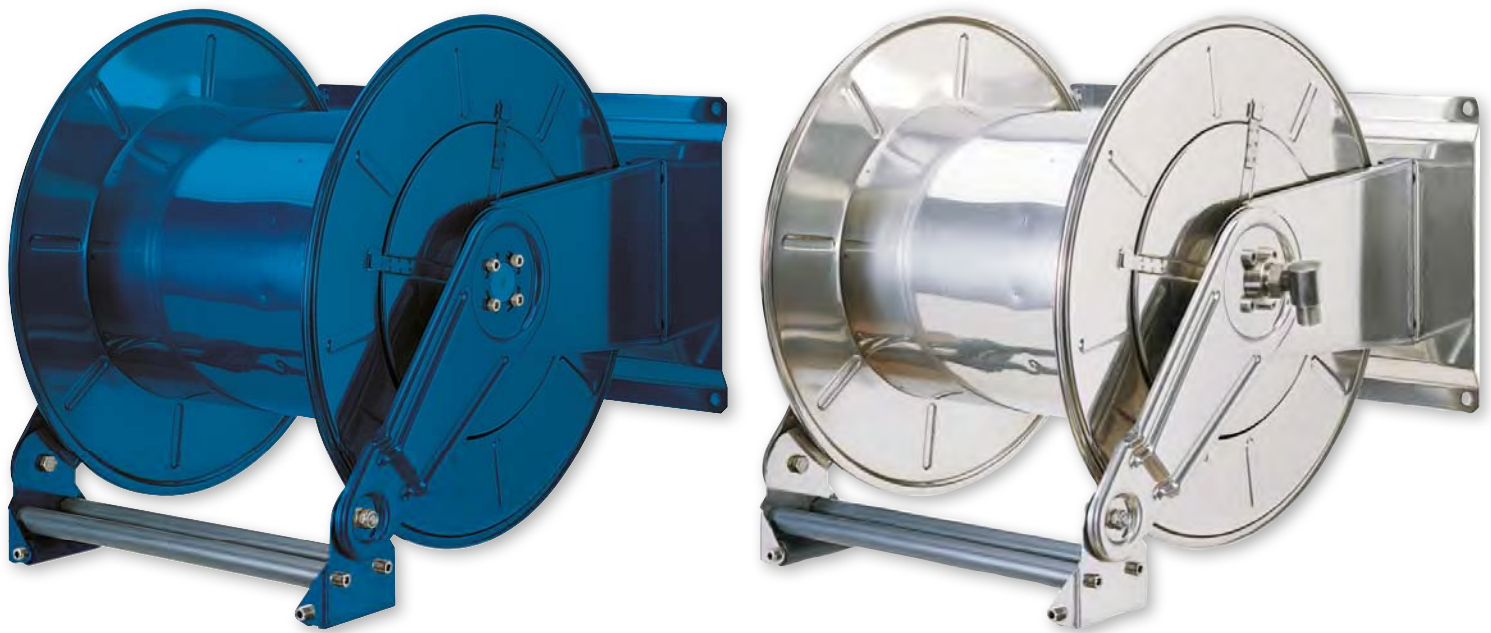
Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
36471	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	30 m	39502	9951	370x590x600	150 mm	25 kg
36470						35 m					26 kg
36472						40 m					30 kg
37158	Stainless steel AISI 304	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	30 m	39601	9968	370x590x600	150 mm	25 kg
37142						35 m					26 kg
37159						40 m					30 kg

Automatic rewind, spring-driven hose reel, **adjustable arms series with twin spring**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 60 m (\varnothing hose max.1/2").

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.

Please see catalogue pages 164 and 165 for the selection of the required hoses.

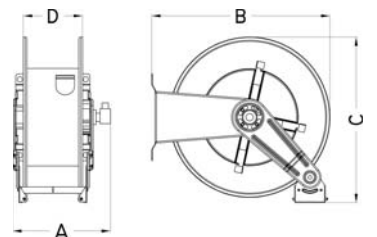
On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36480/HB)



Hose Reels



On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU – group II – category 2.



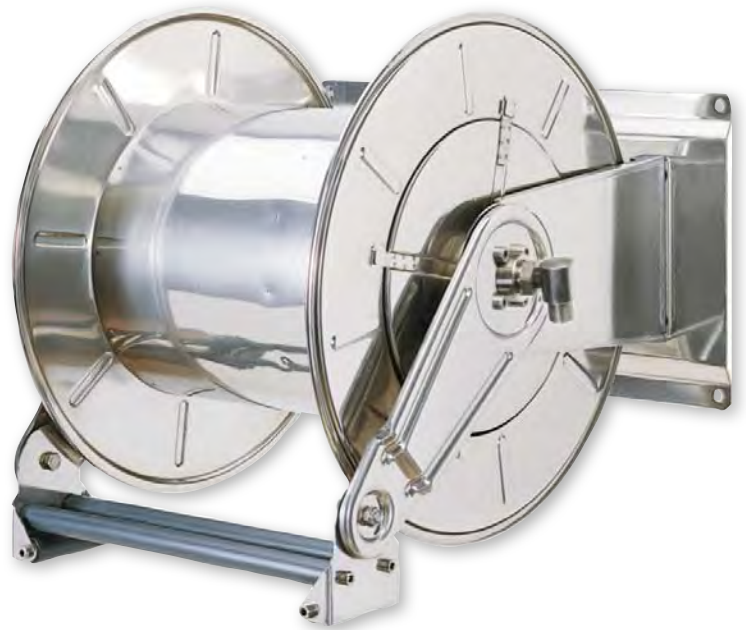
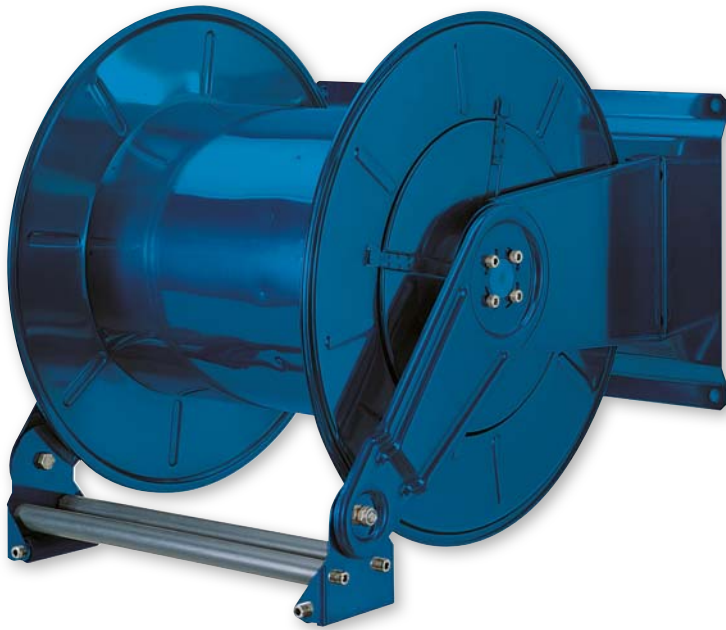
Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
36480	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	60 m	9951	650x650x600	400 mm	50 Kg
37147	Stainless steel AISI 304	200 bar					9968			

Automatic rewind, spring-driven hose reel, **adjustable arms series with triple spring**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 100 m (Ø hose max. 1/2").

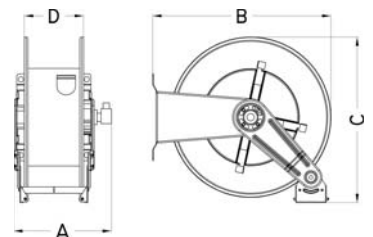
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.

Please see catalogue pages 164 and 165 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36481/HB)



On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU – group II – category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
36481	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	100 m	9951	650x650x590	400 mm	70 Kg
36482	Stainless steel AISI 304	200 bar					9968			

Adjustable arms series \varnothing max 3/4" – up to 18 m length
 \varnothing max 1" – up to 15 m length

Automatic rewind, spring-driven hose reel, **adjustable arms series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 18 m length (\varnothing hose 3/4") or max. 15 m length (\varnothing hose 1").

The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts .

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, diesel, compressed air and water.

Please see catalogue pages 164 and 165 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36200B/HB)



Art.no. **39502**
Art.no. **39500**

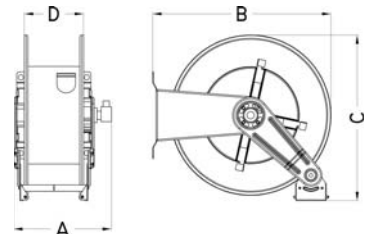


Art.no. **39602**
Art.no. **39601**

Hose Reels



On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU – group II – category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
36200B	Painted steel	100 bar	1" (M) - 1" (F)	20 mm	1"	10 m - 8 m	39502	9970F	270x500x490	150 mm	14 kg
36215						15 m -12 m			305x490x490	200 mm	22 kg
36800						18 m -15 m	39500		505x530x500	300 mm	24 kg
37150	Stainless steel AISI 304	100 bar	1" (M) - 1" (F)	20 mm	1"	10 m - 8 m	39601	9970	270x500x490	150 mm	14 kg
37155						15 m -12 m			305x490x490	200 mm	22 kg
37160						18 m -15 m	39602		505x530x500	300 mm	24 kg

Adjustable arms series with twin spring \varnothing max 3/4" – up to 30 m length
 \varnothing max 1" – up to 20 m length

Automatic rewind, spring-driven hose reel, **adjustable arms series with twin spring**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 30 m length (\varnothing hose 3/4") or max. 20 m length (\varnothing hose 1").

The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts .

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, diesel, compressed air and water.

Please see catalogue pages 164 and 165 for the selection of the required hoses. On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36425/HB)

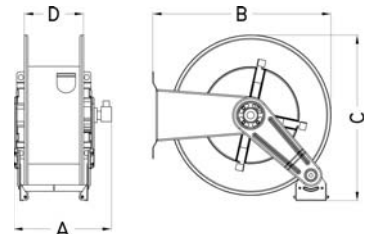


Art.no. **39505**
Art.no. **39500**



Art.no. **39605**
Art.no. **39602**

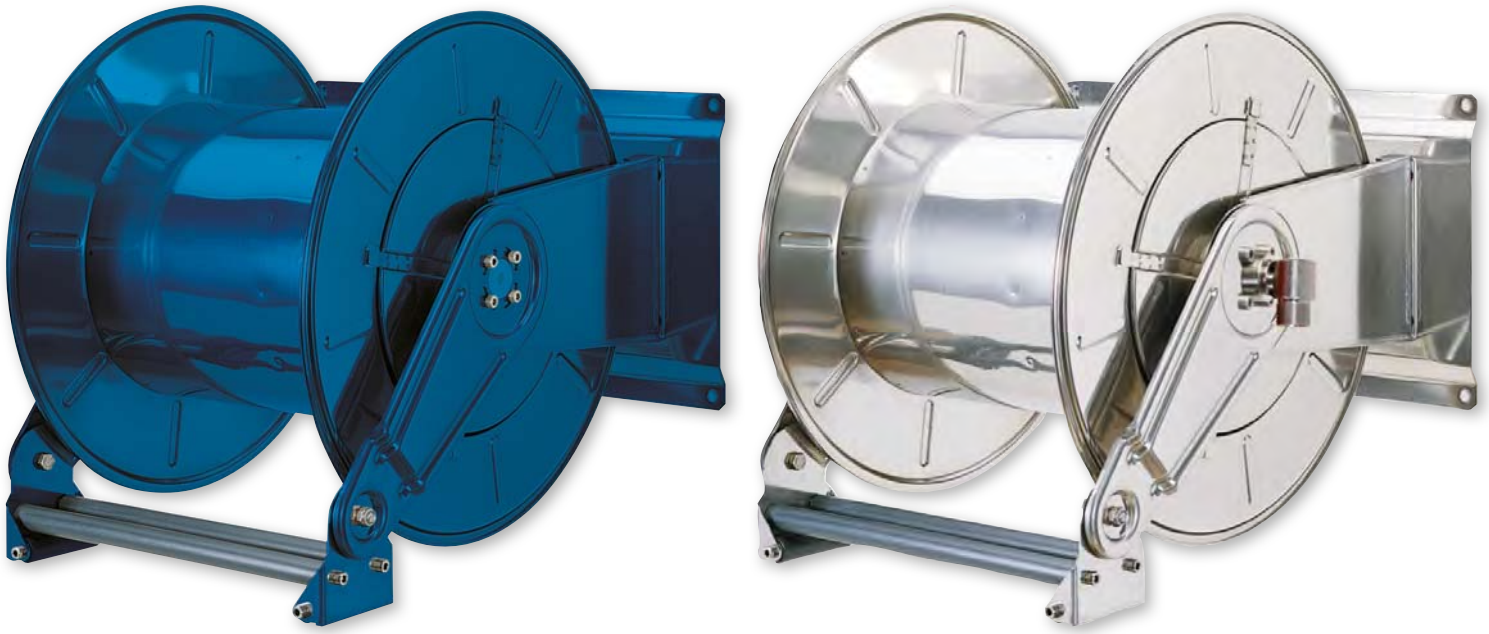

 On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU – group II – category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
36475	Painted steel	100 bar	1" (M) - 1" (F)	20 mm	1"	20 m - 15 m	39505	9970F	270x600x590	150 mm	27 kg
36473						25 m - 18 m			370x640x600	200 mm	30 kg
36425						30 m - 20 m	39500		450x540x600	300 mm	38 kg
37143	Stainless steel AISI 304	100 bar	1" (M) - 1" (F)	20 mm	1"	20 m - 15 m	39605	9970	270x600x590	150 mm	27 kg
37161						25 m - 18 m			370x640x600	200 mm	30 kg
37162						30 m - 20 m	39602		450x540x600	300 mm	38 kg

Adjustable arms series with twin spring \varnothing max 3/4" – up to 50 m length
 \varnothing max 1" – up to 30 m length

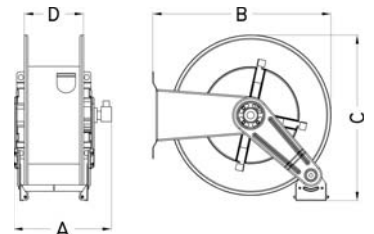
Automatic rewind, spring-driven hose reel, **adjustable arms series with twin spring**, in painted steel or in stainless steel AISI 304, suitable for applications with high delivery rates and for hoses of max 50 m length (\varnothing hose 3/4") or max. 30 m length (\varnothing hose 1"). The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water. Please see catalogue pages 164 and 165 for the selection of the required hoses. On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36485/HB)



Hose Reels



On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU – group II – category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal \varnothing swivel joint	Max diameter hose	Max length hose	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
36485	Painted steel	100 bar	1" (M) - 1" (F)	20 mm	3/4"	40 m	9970F	650x650x590	400 mm	50 kg
36483						50 m				52 kg
36484					1"	30 m				50 kg
37148					3/4"	40 m				9970
37156	Stainless steel AISI 304	50 m	52 kg							
37163		1"	30 m	50 kg						

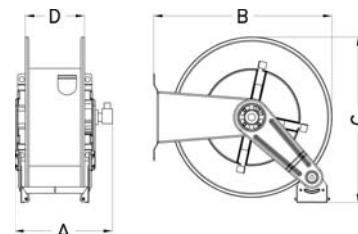
Adjustable arms series \varnothing max 1 1/4" – up to 20 m length
 \varnothing max 1 1/2" – up to 15 m length

Automatic rewind, spring-driven hose reel, **adjustable arms series**, in painted steel or in stainless steel AISI 304, suitable for applications with high delivery rates and for hoses of max 20 m length (\varnothing hose 1 1/4") or max. 15 m length (\varnothing hose 1 1/2").

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, diesel, compressed air and water. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted (standard version galvanized steel, available **on demand also in stainless steel AISI 304 or AISI 316**).

Please see catalogue pages 164 and 165 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36217/HB)



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal \varnothing swivel joint	Max diameter hose	Max length hose	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
36217	Painted steel	20 bar	1 1/2" (M) - 1 1/2" (F)	25 mm	1 1/4"	8 m	9982	430x500x490	200 mm	18 kg
36445						20 m				49 kg
36213				32 mm	1 1/2"	15 m	9983	590x670x670	400 mm	50 kg
36218				Stainless steel AISI 304	20 bar	1 1/2" (M) - 1 1/2" (F)	25 mm	1 1/4"	8 m	9982
36212	20 m	49 kg								
37151	32 mm	1 1/2"	15 m				9983	590x670x670	400 mm	50 kg

Automatic rewind, spring-driven hose reel, **heavy duty series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 40 m length (Ø hose 1/2").

The art.n. 37145 is equipped with a twin spring for a convenient hose rewind.

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, diesel, compressed air and water at low pressure. Please see catalogue pages 164 and 165 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36300/HB)



Art.no. **39502**
Art.no. **39505**

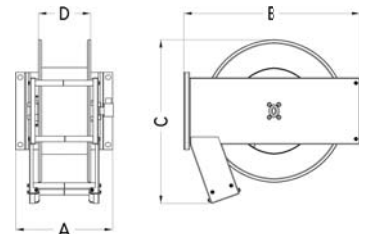


Art.no. **39602**
Art.no. **39601**
Art.no. **39600**
Art.no. **39605**

Hose Reels



On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU - group II - category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
36150	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	20 m	39502	9951	295x530x500	150 mm	21 Kg
36300				12 mm		25 m	39505		387x530x500	250 mm	36 Kg
38350	Stainless steel AISI 304	200 bar		10 mm		15 m	39600	9968	243x530x500	120 mm	21 Kg
38400				10 mm		20 m	39601		295x530x500	150 mm	21 Kg
37141				12 mm		25 m	39605		387x530x500	250 mm	26 Kg
37145				12 mm		40 m	39602		445x530x500	300 mm	36 Kg

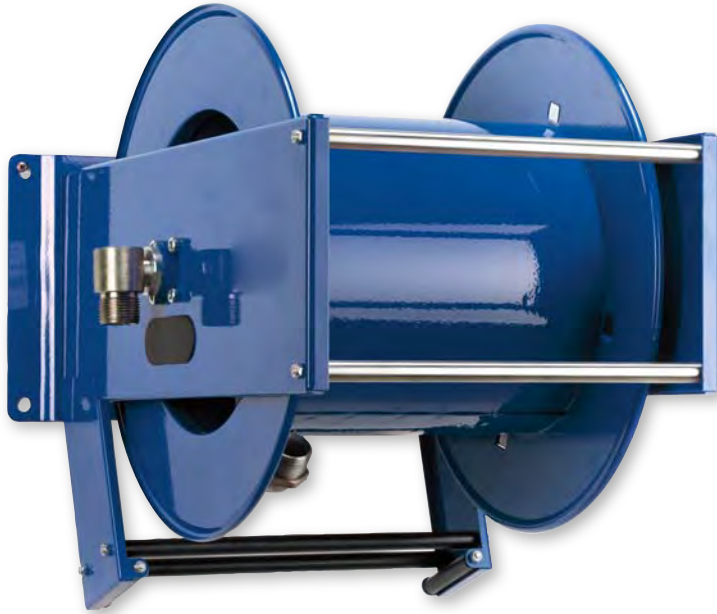
Heavy duty series \varnothing max 3/4" - up to 30 m length
 \varnothing max 1" - up to 25 m length

Automatic rewind, spring-driven hose reel, **heavy duty series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 30 m length (\varnothing hose 3/4") or max. 25 m length (\varnothing hose 1").

The art.no. 36400 is equipped with a twin spring for a convenient hose rewind.

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, diesel, compressed air and water at low pressure. Please see catalogue pages 164 and 165 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36100/HB)

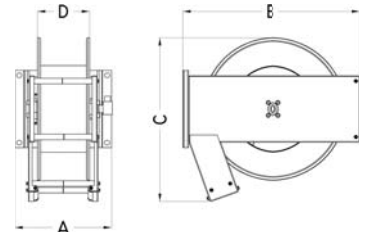


Art.no. **39502**
Art.no. **39500**



Art.no. **39602**
Art.no. **39601**
Art.no. **39608**


 On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU - group II - category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
36200	Painted steel	100 bar	1" (M) - 1" (F)	20 mm	1"	12 m - 8 m	39502	9970F	295x530x500	150 mm	21 Kg
36100						18 m - 15 m	39500		440x530x500	300 mm	24 Kg
36400						30 m - 25 m	-	500x530x540	400 mm	36 Kg	
38360	Stainless steel AISI 304	100 bar	1" (M) - 1" (F)	20 mm	1"	12 m - 8 m	39601	9970	295x530x500	150 mm	21 Kg
38361						18 m - 15 m	39602		440x530x500	300 mm	24 Kg
37146						30 m - 25 m	39608	500x530x540	400 mm	36 Kg	

Series THIN REEL \varnothing max 1/2" - up to 8 m length

Art.no. 38600

Automatic rewind, spring-driven hose reel, **series THIN REEL**, in painted steel, suitable for hoses of max 8 m length (\varnothing hose 1/2") or max 15 m length (\varnothing hose 1/4").

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

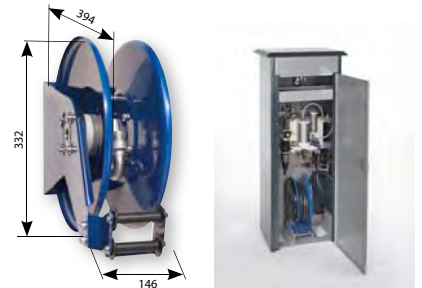
Please see catalogue pages 164 and 165 for the selection of the required hoses.

Art.no. 38500

Same as art.no. 38600, but equipped with wetted parts in stainless steel AISI 304, for the use with AdBlue®/DEF/AUS32 and water-based fluids, at low pressure.

Art.no. 38800

Automatic rewind, spring-driven hose reel, based on art.no.38600, for diesel oil.



Art.no.	Max working pressure	Connection threads IN - OUT	Max diameter hose	Max length hose 1/2" - 1/4"	Spool width	Material wetted parts	Dimensions (LxWxH) (mm)	Weight
38600	100 bar	1/2" (F) - 1/2" (M)	1/2"	8 - 15 m	75 mm	Brass	394x146x332	9 kg
38500	15 bar					Stainless steel AISI 304		
38800	100 bar	3/4" (F) - 1/4" (M)	3/4"	5 m (3/4")		Brass		

Series THIN REEL \varnothing max 1/2" - up to 25 m length

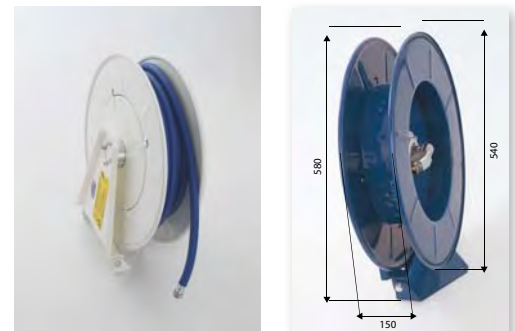
Art.no. 38700

Automatic rewind, spring-driven hose reel, **series THIN REEL**, in painted steel, suitable for hoses of max 25 m length (\varnothing hose 1/2").

The innovative constructional design characterizes the models of this series which are particularly suitable in applications with limited space in width thanks to their overall width of max. 150 mm, f. ex. for the installation inside of compact cabinets.

This hose reel is equipped with a swivelling bracket which allows a rotation of 90° so that a laterally installed reel can be used then forward-facing and can be repositioned easily again after use.

Please see catalogue pages 164 and 165 for the selection of the required hoses.



Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Spool width	Included swivel joint	Dimensions (LxWxH) (mm)	Weight
38700	200 bar	1/2" (M) - 1/2" (M)	12 mm	1/2"	25 m	120 mm	9952	150x540x580	14 Kg

LS series Ø max 1/2" - up to 20 m length



Art.no. **36271**
Art.no. **36272**

LS series, automatic rewind, spring-driven hose reel, in black painted steel, suitable for hoses of max 20m length with diam. <1/2". Reels are supplied as standard without the hose and are compatible with hoses for oil, antifreeze, grease, compressed air and water at low and high pressure. Please see catalogue pages 164 and 165 for the selection of the required hoses.



Art.no. **39535**



Art.no. **39502**

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Spool width	Weight	Included swivel joint	Dimensions (LxWxH) (mm)
36271	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	120 mm	12 kg	39535	280x490x480
36272	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	20 m	150 mm	14 kg	39502	300x490x480

LS series Ø max 1" - up to 8 m length



Art.no. **36270**

LS series, automatic rewind, spring-driven hose reel, in black painted steel, suitable for hoses of max 8m length with diam. <1". Reels are supplied as standard without the hose and are compatible with hoses for oil, antifreeze, grease, compressed air and water at low and high pressure. Please see catalogue pages 164 and 165 for the selection of the required hoses.



Art.no. **39502**

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Spool width	Weight	Included swivel joint	Dimensions (LxWxH) (mm)
36270	20 bar	1" (M) - 1" (M)	20 mm	1"	8 m	150 mm	14 kg	39502	300x490x480

LS series Ø max 1/2" up to 50 m length and Ø 1" up to 20 m length

Art.no. **38150 - 38160 - 38155 - 38165**



Manual, hand crank hose reel, **LS series**, in painted steel, suitable for hoses of max 50 m length in 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.

Please see catalogue pages 164 and 165 for the selection of the required hoses.



Art.no. **39535**
Art.no. **39502**

Art.no. **38180**



Manual, hand crank hose reel, **LS series**, in painted steel, suitable for hoses of max 12 m length in 1" or max 15 m length in 3/4".

The hose reel is supplied without hoses and can be used with hoses for the supply of diesel, compressed air and water at low pressure.

Please see catalogue pages 164 and 165 for the selection of the required hoses.



Art.no. **39604**

Art.no. **38190**



Manual, hand crank hose reel, **LS series**, in painted steel, suitable for hoses of max 20 m length in 1" or max 25 m length in 3/4".

The hose reel is supplied without hoses and can be used with hoses for the supply of diesel, compressed air and water at low pressure.

Please see catalogue pages 164 and 165 for the selection of the required hoses.

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 1/4" - 3/8" - 1/2"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
38150	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	25 m - 20 m - 15 m	120 mm	39535	9951	8 kg	280 x 530 x 480
38160					50 m - 35 m - 25 m	150 mm	39502		9 kg	
38155					70 m - 50 m - 35 m	200 mm	39604		12 kg	
38165					100 m - 70 m - 50 m	400 mm	-		15 kg	

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
38180	100 bar	1" (M) - 1" (M)	20 mm	1"	15 m - 12 m	200 mm	39604	9970F	12 kg	320 x 530 x 480
38190					25 m - 20 m	400 mm	-		15 kg	

LSX series Ø max 1/2" up to 50 m length and Ø 1" up to 20 m length

Art.no. **38100 - 38115 - 38110 - 38130**



Manual, hand crank hose reel, **LSX series**, in stainless steel AISI 304, suitable for hoses of max. 50 m length in 1/2".

The hose reel is supplied without hoses and is recommended for the use with water at high and low pressure and with water-based fluids.

Please see catalogue pages 164 and 165 for the selection of the required hoses.



Art.no. **39600**
Art.no. **39601**

Art.no. **38120**



Manual, hand crank hose reel, **LSX series**, in stainless steel AISI 304, suitable for hoses of max. 12 m length in 1" or max. 15 m length in 3/4".

The hose reel is supplied without hoses and is recommended for the use with water at medium and low pressure and with water-based fluids.

Please see catalogue pages 164 and 165 for the selection of the required hoses.



Art.no. **39601**

Art.no. **39140**



Manual, hand crank hose reel, **LSX series**, in stainless steel AISI 304, suitable for hoses of max. 20 m length in 1" or max. 25 m length in 3/4".

The hose reel is supplied without hoses and is recommended for the use with water at medium and low pressure and with water-based fluids.

Please see catalogue pages 164 and 165 for the selection of the required hoses.

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 1/4" - 3/8" - 1/2"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
38100	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	25 m - 20 m - 15 m	120 mm	39600	9968	8 kg	280 x 530 x 480
38115					50 m - 35 m - 25 m	150 mm	39601		9 kg	
38110					70 m - 50 m - 35 m	200 mm	39601		12 kg	320 x 530 x 480
38130					100 m - 70 m - 50 m	400 mm	-		15 kg	

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
38120	100 bar	1" (M) - 1" (M)	20 mm	1"	15 m - 12 m	200 mm	39601	9970	12 kg	320 x 530 x 480
39140					25 m - 20 m	400 mm	-		15 kg	480 x 530 x 480



Art. no. **35810** - Art. no. **35815**
 Art. no. **35820**
 Art. no. **35830** - Art. no. **35840**
 Art. no. **35812**

Automatic rewind, spring-driven hose reel, with plastic enclosure (made of nylon and polypropylene) and pivoting wall bracket, suitable for the use with compressed air and water at low pressure (temperature range: -10°C – +60°C) complete with polyurethane hose.

Inlet connection air: 1/4" BSP.
 Max working pressure: 20 bar.

The **standard colour** of the enclosure is red with yellow cover. Also available in blue with red cover, in dark grey, in yellow with red cover or white with white cover (see photos above).

Art. no.	Hose length	Hose diameter	Connection threads	Max working pressure	Weight	Dimensions (LxWxH) (mm)
35810	10 m	8 x 12 mm	M 1/4" BSP	20 bar	8.1 Kg	220x310x380
35815	15 m				8.2 Kg	
35820	20 m				8.4 Kg	
35830	15 m	6 x 10 mm			8.1 Kg	
35840	20 m				8.2 Kg	
35812	10 m	10 x 14 mm	M 3/8" BSP		8.2 Kg	

Art.no. **36490**



Big series dual-spring hose reel with mechanical hoseguide system, designed for applications requiring hose lengths up to 60m (1/2" diam. hose).

This device, composed of steel housing with a worm drive inside, allows even long hoses to be correctly wound without becoming entangled.

The reel may be used to wind hoses for oil, antifreeze, air and water at low and high pressure.

In order to set up the hose guide correctly, the reel will only be supplied complete with the hose.

Please see catalogue pages 164 and 165 for the selection of the required hoses.

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Spool width	Weight	Dimensions (LxWxH) (mm)
36490	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	60 m	400 mm	69 kg	625x670x640

Art.no. **37490**



Big series dual-spring hose reel with mechanical hoseguide system, designed for applications requiring hose lengths up to 60m (1/2" diam. hose).

This device, composed of steel housing with a worm drive inside, allows even long hoses to be correctly wound without becoming entangled. The reel may be used to wind hoses for oil, antifreeze, air and water at low and high pressure.

In order to set up the hose guide correctly, the reel will only be supplied complete with the hose.

Please see catalogue pages 164 and 165 for the selection of the required hoses.

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Spool width	Weight	Dimensions (LxWxH) (mm)
37490	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	60 m	400 mm	69 kg	625x670x640

Art.no. **36590 - 36591**



Hose reel, available in painted or in stainless steel AISI 304, with **electric 12 VDC - motor for hose rewind**. The motor is connected to an external reduction gear with clutch torque limiter. Suitable for hoses of max 100 m length in 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, grease, antifreeze, compressed air and water.

With high frequency transmitter (433.9 MHz) with remote control to enable also an activation from a distance.

Technical data rewind system:

Voltage	Power	Torque electric motor	Current drain	Protection category	Rpm	Max torque reduction gear
12 VDC	200 W	0.6 N/m	20 A	IP 54 S2	2800	65 N/m

Art.no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Max diameter hose	Max length hose 1/4" - 3/8" - 1/2"	Spool width	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
36590	Painted steel	600 bar	1/2" (M) - 1/2" (F)	1/2"	130 m - 120 m - 100 m	400 mm	9951	52 kg	800x620x630
36591	Stainless steel AISI 304	200 bar					9968		

Art.no. **36592 - 36593**



Hose reel, available in painted or in stainless steel AISI 304, with **electric 12 VDC - motor for hose rewind**. The motor is connected to an external reduction gear with clutch torque limiter. Suitable for hoses of max 40 m length in 1".

The hose reel is supplied without hoses and can be used with hoses for the supply of diesel, compressed air and water.

With high frequency transmitter (433.9 MHz) with remote control to enable also an activation from a distance.

Technical data rewind system:

Voltage	Power	Torque electric motor	Current drain	Protection category	Rpm	Max torque reduction gear
12 VDC	200 W	0.6 N/m	20 A	IP 54 S2	2800	65 N/m

Art.no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Spool width	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
36592	Painted steel	20 bar	1" (M) - 3/4" (F)	20 mm	1"	50 m - 40 m	400 mm	9970F	58 kg	800x620x630
36593	Stainless steel AISI 304							9970		



Art.no. **37497-37496-37494-37495**

Hose reel, available in painted or in stainless steel AISI 304, with hydraulic **motor with hydraulic motor for hose rewind**. Suitable for hoses of max 100 m length in 1/2" or max 40 m length in 1".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, grease, antifreeze, diesel, compressed air and water.

Art.no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 1/4" - 3/8" - 1/2"	Spool width	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
37497	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	130 - 120 - 100 m	400 mm	9951	50 kg	800x620x630
37494	Stainless steel AISI 304	200 bar						9968		
Art.no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Spool width	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
37496	Painted steel	20 bar	1" (M) - 3/4" (F)	20 mm	1"	50 m - 40 m	400 mm	9970F	50 kg	800x620x630
37495	Stainless steel AISI 304							9970		

Art.no. **37400**

Electro-hydraulic control kit, provided for the installation on the hydraulic motor of hose reels art. nos. 37497 - 37496 - 37494 - 37495, composed of electric gear pump, electric control switchboard, 5 m inlet and outlet hoses, 16 l - container and pressure regulating valve.



Pressure regulating valve for the control of the rewind strength.



Art. no.	Rewind pressure	Adjustment range	Voltage	Capacity oil container	Weight
37400	20 bar	0.5 - 20 bar	230 VAC	16 l	16 kg

Art.no. **39400**

Automatic rewind, spring-driven hose reel, in painted steel, provided for the installation of max 10 m – twin hose in 1/2", with hose inlet connection fittings, suitable to connect welding equipment.

The hose reel is supplied without hoses and can be used with twin hoses (blue - red) for welding gases oxygen and acetylene in SBR/EPDM according to norm EN 559:1994.



Art.no. **39410**

Automatic rewind, spring-driven hose reel, in stainless steel AISI 304, provided for the installation of max 10 m – twin hose in 1/2", with hose inlet connection fittings, suitable to connect welding equipment.

The hose reel is supplied without hoses and can be used with twin hoses (blue - red) for welding gases oxygen and acetylene in SBR/EPDM according to norm EN 559:1994.



Art.no. **39410**

Art.no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Max length hose	Max operating temperature	Weight	Dimensions (LxWxH) (mm)
39400	Painted steel	200 bar	1/2" BSP (M-F)	10 m	90°C	18 kg	280x610x640
39410	Stainless steel AISI 304						

Art.no. **39420**

Automatic rewind, spring-driven hose reel, in painted steel, with 20 m – twin hose (blue - red) in 5/16" - 2 x 8 mm for welding gases oxygen and acetylene (in SBR/EPDM according to norm EN 559:1994 max 20 bar - 90°C), hose inlet connection fittings, shaft and swivel joint in brass; suitable to connect welding equipment.

On demand also available in stainless steel AISI 304.



Art.no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Max length hose	Spool width	Weight	Dimensions (LxWxH) (mm)
39420	Painted steel	20 bar	3/8" BSP (F-F)	20 m	150 mm	32 kg	280x610x640

Hydraulic brakes can be used to control the hose rewind speed in hose reels. With these devices it is possible to guarantee a safe rewinding of the hose at a limited speed in the event of an uncontrolled release of the hose; this reduces the risk of personal injury or material damage.



Version with die-cast aluminum body



Version with anodized / nickel-plated aluminum body



Version with stainless steel body



Example of of a hydraulic brake on a hose reel

Art.no.	body material	body surface treatment	For hose reel with	Weight	Dimensions (LxWxH) (mm)
99 HB-01	aluminium (die-cast)	black cataphoresis	1 spring	0.7 Kg	140x120x100
99 HB-02			2 springs		140x170x100
99 HB-03	aluminium	black anodization	1 spring	1 Kg	140x120x100
99 HB-04		nickel-plating			
99 HB-05	AISI 316	-		1.5 Kg	
99 HB-06	aluminium	black anodization	2 springs	1 Kg	140x170x100
99 HB-07		nickel-plating			
99 HB-08	AISI 316	-		1.5 Kg	
99 HB-09	aluminium (die-cast)	nickel-plating	1 spring	0.7 Kg	140x120x100
99 HB-10			2 springs		140x170x100



HIGH PRESSURE 90° SWIVEL JOINTS FOR PAINTED 1/2" HOSE REELS

Art.no.	Description	Int. Ø	Connection	Bush kit code	Seal material	Max pressure	Temperature
90° STEEL SWIVEL JOINTS 1/2"							
9951	STEEL WIVEL JOINT1/2"G M	10 mm	1/2"G M	990036 + 065518	BRASS+PU	600 bar	60°C
9951-NPT	STEEL WIVEL JOINT1/2"NPT F	10 mm	1/2"NPT F	990036 + 065518	BRASS+PU	600 bar	60°C
9952	STEEL WIVEL JOINT1/2"G M	12 mm	1/2" G M	990136 + 99PO12	BRASS+PU	200 bar	60°C
9952-NPT	STEEL WIVEL JOINT1/2"NPT F	12 mm	1/2"NPT F	990136 + 99PO12	BRASS+PU	200 bar	60°C
9954	STEEL WIVEL JOINT1/2"G F	10 mm	1/2"G F	990036 + 065518	BRASS+PU	600 bar	60°C
9957	STEEL WIVEL JOINT 1/2"G M	10 mm	1/2"G M	991118 + 06EP18	INOX+EDPM	200 bar	60°C
90° STAINLESS STEEL (AISI 303) SWIVEL JOINTS 1/2"							
9956	S/S AISI 303 SWIVEL JOINT1/2"G F	12 mm	1/2"G F	9937	VITON+EPDM	200 bar	150°C
9960K	S/S AISI 303 SWIVEL JOINT1/2"G M22	10 mm	M22x1.5	9932	VITON+EPDM	200 bar	150°C
9961	S/S AISI 303 SWIVEL JOINT1/2"G M	10 mm	1/2"G M	9933	VITON+FIBERGLASS	400 bar	150°C
9964	S/S AISI 303 SWIVEL JOINT1/2"G F	10 mm	1/2"G F	9932	VITON+EPDM	200 bar	150°C
9964-400	S/S AISI 303 SWIVEL JOINT1/2"G F	10 mm	1/2"G F	9933	VITON+FIBERGLASS	400 bar	150°C
9964-NPT	S/S AISI 303 SWIVEL JOINT1/2"NPT F	10 mm	1/2"NPT F	9932	VITON+EPDM	200 bar	150°C
9966T.F.	S/S AISI 303 SWIVEL JOINT1/2"G M	10 mm	1/2"G M	9918	VITON+PTFE+BRASS	600 bar	150°C
9967	S/S AISI 303 SWIVEL JOINT1/2"G M	12 mm	1/2"G M	9937	VITON+EPDM	200 bar	150°C
9968	S/S AISI 303 SWIVEL JOINT1/2"G M	10 mm	1/2" G M	9932	VITON+EPDM	200 bar	150°C
90° STAINLESS STEEL (AISI 316) SWIVEL JOINTS 1/2"							
9962	S/S AISI 316 SWIVEL JOINT 1/2"G M	10 mm	1/2"G M	9934	VITON+FIBERGLASS	400 bar	150°C
9962-ST	S/S AISI 316 COAXIAL SWIVEL JOINT	10 mm	1/2"NPT F	9934	VITON+FIBERGLASS	400 bar	150°C
9962N	S/S AISI 316 SWIVEL JOINT 1/2"NPT F	10 mm	1/2"NPT F	9934	VITON+FIBERGLASS	400 bar	150°C
9962-600TF	S/S AISI 316 SWIVEL JOINT 1/2"G M	10 mm	1/2"G M	9916	VITON+PTFE+BRASS	600 bar	150°C
90° BRASS SWIVEL JOINTS 1/2"							
9988	BRASS SWIVEL JOINT 3/8"G F	10 mm	3/8"G F	990036 + 065518	BRASS+PU	200 bar	60°C

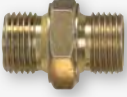

HIGH PRESSURE 90° SWIVEL JOINTS FOR PAINTED 1" HOSE REELS

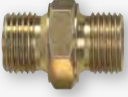
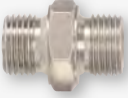
Art.no.	Description	Int. Ø	Connection	Bush kit code	Seal material	Max pressure	Temperature
90° STEEL SWIVEL JOINTS 1/2"							
9970F	STEEL WIVEL JOINT1"G M	19 mm	1" G M	KIT99VIFE	FKM (VITON)	20 bar	60° C
9974	STEEL WIVEL JOINT1"G F	19 mm	1" G F	KIT99VIFE	FKM (VITON)	20 bar	60° C
9979	STEEL WIVEL JOINT1"G M	19 mm	1" G M	KIT99TEFE	FFKM (TEFLON)+VITON	20 bar	60° C
90° STAINLESS STEEL (AISI 303) SWIVEL JOINTS 1/2"							
9970	S/S AISI 303 SWIVEL JOINT1"G M	19 mm	1" G M	KIT99VI303	FKM (VITON)	100 bar	100° C
9970-NPT	S/S AISI 303 SWIVEL JOINT1"NPT M	19 mm	1" NPT M	KIT99VI303	FKM (VITON)	100 bar	100° C
9977	S/S AISI 303 SWIVEL JOINT1"G F	19 mm	1" G F	KIT99VI303	FKM (VITON)	100 bar	100° C
9978	S/S AISI 303 SWIVEL JOINT1"G M	19 mm	1" G M	KIT99TEOT	BRASS+VITON+FFKM (TEFLON)	100 bar	100° C
9984	S/S AISI 303 SWIVEL JOINT1"G M	19 mm	1"G M	KIT99EP303	EPDM	100 bar	100° C
9987	S/S AISI 303 SWIVEL JOINT1"G M	19 mm	1" G M	KIT99TE303	FFKM+VITON	100 bar	100° C
9995	S/S AISI 303 COAXIAL SWIVEL JOINT 3/8" M	8 mm	3/8" G M	9918	BRASS+VITON+PTFE BRASS	800 bar	100° C
90° STAINLESS STEEL (AISI 316) SWIVEL JOINTS 1/2"							
9981	S/S AISI 316 SWIVEL JOINT 1"G M	19 mm	1"G M	KIT99TE316	FFKM+FKM (VITON)	100 bar	100° C
9981N	S/S AISI 316 SWIVEL JOINT 3/4"NPT F	19 mm	3/4"NPT F	KIT99TE316	FFKM+FKM (VITON)	100 bar	100° C
9981F	S/S AISI 316 SWIVEL JOINT 1"G F	19 mm	1"G F	KIT99TE316	FFKM+FKM (VITON)	100 bar	100° C
9981-STM	S/S AISI 303 COAXIAL SWIVEL JOINTE AISI 316 1"NPT M	19 mm	1"NPT M	KIT99TE316	FFKM+FKM (VITON)	100 bar	100° C
9981NPT	S/S AISI 316 SWIVEL JOINT 1"NPT M	19 mm	1"NPT M	KIT99TE316	FFKM+FKM (VITON)	100 bar	100° C
9989	S/S AISI 316 SWIVEL JOINT 1"G M	19 mm	1"G M	KIT99TT316	FFKM	100 bar	100° C


Suitable for the adjustment of the desired hose length outside the reel and for stopping the hose at the required position when rewinding.






Art.no.	ø hose	ø bumper (mm)
37004	3/4"	26
37005	1"	33
37001	1/4"	15
37002	3/8"	17
37003	1/2"	20

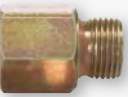

Art. no.	Thread dimensions	Thread type	Description	Type
4223	1/4" x 1/4"	BSP	Double male connection adapter in galvanized steel.	
9910	1/2" x 1/2"			
9911	1/2" x 3/8"			
9912	1/2" x 1/4"			
9915	1/2" x 3/4"			
9924	1" x 3/4"			
9925	3/4" x 3/4"			
9927	1" x 1"			
9928A	1" x 1/2"			
9999	1 1/4" x 1"			
9908	1/2" x 1/2"	BSP	Double male connection adapter in stainless steel.	
9909	1/2" x 3/8"			
9907	1/2" x 3/4"			
9917	3/4" x 3/4"			
9920	1" x 1"			
9919	1/2" - 22x1,5			


Art. no.	Thread dimensions	Thread type	Description	Type
4223N	1/4" x 1/4"	BSP - NPT	Double male connection adapter in galvanized steel.	
9910N	1/2" x 1/2"			
9911N	1/2" x 3/8"			
9912N	1/2" x 1/4"			
9915N	1/2" x 3/4"			
9924N	1" x 3/4"			
9904N	3/4" x 3/4"			
9927N	1" x 1"			
9928N	1" x 1/2"			
9999N	1 1/4" x 1"			
9908N	1/2" x 1/2"	BSP - NPT	Double male connection adapter in stainless steel.	
9909N	1/2" x 3/8"			
9907N	1/2" x 3/4"			
9917N	3/4" x 3/4"			
9920N	1" x 1"			
9919N	1/2" - 22x1,5			


Art. no.	Thread dimensions	Thread type	Description	Type
4229	1/4" x 1/4"	BSP	Male - Female swivel connection adapter in galvanized steel.	
9901	1/2" x 1/2"			

Art. no.	Thread dimensions	Thread type	Description	Type
4229N	1/4" x 1/4"	BSP - NPT	Male - Female swivel connection adapter in galvanized steel.	
9901N	1/2" x 1/2"			


Art. no.	Thread dimensions	Thread type	Description	Type
4231	1/4" x 1/4"	BSP	Male - Female connection adapter in galvanized steel.	
9905	1/2" x 1/4"			
9906	1/2" x 3/8"			
9902	1/2" x 1/2"			
9903	1/2" x 3/4"			
9916A	1/2" x 1/2"	BSP	Female - Female connection adapter in galvanized steel.	


Art. no.	Thread dimensions	Thread type	Description	Type
4231N	1/4" x 1/4"	BSP - NPT	Male - Female connection adapter in galvanized steel.	
9905N	1/2" x 1/4"			
9906N	1/2" x 3/8"			
9902N	1/2" x 1/2"			
9903N	1/2" x 3/4"			
9916N	1/2" x 1/2"	BSP - NPT	Female - Female connection adapter in galvanized steel.	

Art. no.	Thread dimensions	Thread type	Description	Type
4232	1/4" x 1/4"	BSP	90°- curved Male - female connection adapter, in galvanized steel.	
9939A	1/2" x 1/2"			

Art. no.	Thread dimensions	Thread type	Description	Type
4232N	1/4" x 1/4"	BSP - NPT	90°- curved Male - female connection adapter, in galvanized steel.	
9939N	1/2" x 1/2"			

Hydraulic quick couplings and quick connectors male/female with BSP or NPT - connection threads.

Art. no. M + F	Art. no. M	Art. no. F	Thread dimension	Thread type	Type
4222	4222M	4222F	1/4"	BSP	
2261	2261M	2261F	1/2"		
2262	2262M	2262F	3/8"		
2263	2263M	2263F	3/4"		
2264	2264M	2264F	1"		

Art. no. M	Art. no. F	Thread dimension	Thread type	Type
4222M-NPT	4222F-NPT	1/4"	NPT	
2261M-NPT	2261F-NPT	1/2"		
2262M-NPT	2262F-NPT	3/8"		
2263M-NPT	2263F-NPT	3/4"		
2264M-NPT	2264F-NPT	1"		



High pressure rubber hoses in accordance with SAE 100 R1AT, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **oils** and **diesel** at high pressure.

Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 1 steel wire braided, highly resistant layer.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
200XX	3/8"	10 mm	17.4 mm	180 bar	720 bar	130 mm	-40/+100°C	0.33 kg/m
310XX	1/2"	12.7 mm	20.6 mm	160 bar	640 bar	180 mm	-40/+100°C	0.43 kg/m
400XX	3/4"	19.0 mm	27.7 mm	105 bar	420 bar	240 mm	-40/+100°C	0.61 kg/m

XX= stands for the required hose length in meters (f. ex. 31015 = 15 m)



High pressure rubber hoses in accordance with SAE 100 R2AT, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **grease** and **water** at high pressure.

Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 2 steel wire braided, highly resistant layers.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
810XX	1/4"	6.4 mm	15 mm	400 bar	1600 bar	100 mm	-40/+100°C	0.36 kg/m
820XX	3/8"	9.5 mm	19 mm	330 bar	1320 bar	130 mm	-40/+100°C	0.53 kg/m

XX= stands for the required hose length in meters (f. ex. 81015 = 15 m)



High pressure, **blue antistaining rubber hoses**, in accordance with SAE 100 R2AT, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **water** at high pressure (f. ex. in combination with high pressure cleaners).

Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 2 steel wire braided, highly resistant layers.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
230XX	3/8"	9.5 mm	18 mm	400 bar	1600 bar	90 mm	-10/+160°C	0.46 kg/m

XX= stands for the required hose length in meters (f. ex. 23015 = 15 m)



Low pressure synthetic rubber hoses with swaged female BSP connection threads (swivel nuts) in brass (on demand also in stainless steel), suitable for the use with **hot water** in food industry applications.

Internal structure white, food industry – qualified synthetic rubber, coating in blue rubber highly resistant to abrasion, heat, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. In accordance with FDA food industry standards.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
210XX	1/2"	12 mm	22 mm	15 bar	45 bar	100 mm	-30/+110°C	0.3 kg/m

XX= stands for the required hose length in meters (f. ex. 21015 = 15 m)



Low pressure, blue PVC – hoses with swaged female BSP connection threads (swivel nuts) in brass, suitable for the use with **compressed air** and **water** at low pressure. Reinforcement with highly break resistant polyester cord.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
450XX	1/2"	13 mm	20 mm	40 bar	120 bar	100 mm	-15 / +50°C	0.25 kg/m
440XX	3/4"	19 mm	28 mm	40 bar	120 bar	112 mm	-15 / +50°C	0.47 kg/m

XX= stands for the required hose length in meters (f. ex. 45015 = 15 m)



Low pressure hoses in hydrocarbon resistant black rubber with swaged female BSP connection threads (swivel nuts), suitable for the use with **fuels and petrol** in accordance with **norm EN 1761**. Smooth internal structure in black rubber, resistant to hydrocarbons with an aromatic content of not more than 60 % and unleaded petrol with a max MTBE - content of 5 %. Cover in conductive black rubber, highly resistant to abrasion, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. Resistant to inflammability in accordance with code of practice for flammable fluids TRbF 131, part 2, no. 5.5.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
290XX	1"	25 mm	38 mm	18 bar	81 bar	182 mm	-30/+70°C	0.85 kg/m

XX= stands for the required hose length in meters (f. ex. 29015 = 15 m)



Low pressure synthetic EPDM rubber hoses with swaged female BSP connection threads (swivel nuts) in stainless steel, suitable for the use with **AdBlue®/DEF/AUS32, water at low and high temperatures, chemical fluids, acids, glycol and compressed air** at low pressure. Internal structure in conductive black rubber, cover in black rubber, highly resistant to abrasion, heat, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. In accordance with norm BS 2050:1978.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
2897XX	1/2"	13 mm	21 mm	20 bar	60 bar	100 mm	-40/+120°C	0.26 kg/m
288XX	3/4"	19 mm	30 mm			112 mm		0.57 kg/m

XX= stands for the required hose length in meters (f. ex. 28815 = 15 m)



Art.no. **420XX**

Polyurethane hose, 20 bar, int. Ø 8 mm, ext. Ø 12mm.
Replace XX with the number of meters required.



Flexible rubber hoses, suitable for the transport of **MINERAL OILS, DIESEL and ECOLOGICAL GASOLINE**.

Smooth substrate in black NBR rubber resistant to petroleum products, reinforcement with inserts of high resistance synthetic yarns, antistatic black nitrile rubber cover resistant to abrasion, fuels, oils and atmospheric agents.

Compatible with fluids in accordance with EN 590: 2010.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
610XX	3/4"	19 mm	27 mm	10 bar	30 bar	150 mm	-20 / +80°C	0.40 kg/m
710XX	1"	25 mm	35 mm	10 bar	30 bar	150 mm	-20 / +80°C	0.66 kg/m

XX= stands for the required hose length in meters (f. ex. 61015 = 15 m)



Flexible hoses in thermoplastic rubber based on PVC, PU and two-layer nitrile rubber with spiral in built-in galvanized steel and polyester fiber reinforcement.

Suitable for the transport of **OILS, BLUE DIESEL, DIESEL and BIO DIESEL**.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
620XX	3/4"	19 mm	28 mm	12 bar	48 bar	70 mm	-25 / +55°C	0.45 kg/m
716XX	1"	25 mm	35,5 mm	12 bar	48 bar	80 mm	-25 / +55°C	0.67 kg/m

XX= stands for the required hose length in meters (f. ex. 62015 = 15 m)

Sprayers with container in painted steel for the spraying of detergents and low viscosity lubricating oils. The units can be used autonomously after a pressurization of the container with compressed air at 3 – 7 bar pressure. The delivery depends on the used nozzle. All units are equipped with a security valve calibrated at max. 7 bar. It is recommended to pressurize the container again when 4/5 of the total capacity have been dispensed.

Art.no. **50125**

Mobile pressure sprayer in painted steel, with container of 24 l capacity and two wheels, equipped with level gauge, antisplash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
50125	7 bar	24 l	1/4" BSP (M)	11 Kg	370x340x820

Art.no. **50129**

Mobile pressure sprayer in painted steel, with container of 40 l capacity and two wheels, equipped with level gauge, antisplash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
50129	5 bar	40 l	1/4" BSP (M)	15 Kg	400x430x1020

Sprayers with container in stainless steel for the spraying of detergents. The units can be used autonomously after a pressurization of the container with compressed air at 3 – 7 bar pressure. The delivery depends on the used nozzle. All units are equipped with a security valve calibrated at max. 7 bar. It is recommended to pressurize the container again when 4/5 of the total capacity have been dispensed.

Art.no. **50124**

Mobile pressure sprayer in stainless steel **AISI 304**, with container of 24 l capacity and two wheels, equipped with level gauge, antispash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.

Art.no. **50126**

Mobile pressure sprayer in stainless steel **AISI 316**, with container of 24 l capacity and two wheels, equipped with level gauge, antispash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
50124	7 bar	24 l	1/4" BSP (M)	11 Kg	370x340x820
50126					

Art.no. **50156**

Mobile pressure sprayer in stainless steel **AISI 304**, with container of 40 l capacity and two wheels, equipped with level gauge, antispash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.

Art.no. **50152**

Mobile pressure sprayer in stainless steel **AISI 316**, with container of 40 l capacity and two wheels, equipped with level gauge, antispash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
50156	5 bar	40 l	1/4" BSP (M)	15 Kg	400x430x1020
50152					



Art.no. **50127**

Portable pressure sprayer and foamer in stainless steel AISI 304, with container of 24 l capacity, equipped with level gauge, antispash funnel, 5 m – polyurethane hose, diameter 8 x 12 mm, spray gun and lance with nozzle.

Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
50127	7 bar	24 l	1/4" BSP (M)	11 Kg	400x310x700



Art.no. **50155**

Portable pressure sprayer and foamer in stainless steel AISI 304, with container of 40 l capacity, equipped with level gauge, antispash funnel, 5 m – polyurethane hose, diameter 8 x 12 mm, spray gun and lance with nozzle.

On demand also available in stainless steel AISI 316.

Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
50155	5 bar	40 l	1/4" BSP (M)	16 Kg	400x430x1020



Art.no. **50157**

Mobile pressure sprayer in stainless steel AISI 304, with container of 24 l capacity and two wheels, equipped with level gauge, 7.5 m – spiral hose, spray gun, lance with nozzle and with detachable wide cover that enables the user to check and to clean easily the internal surface of the container.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
50157	7 bar	24 l	1/4" BSP (M)	12 kg	450x450x900



Art.no. **50105**

Mobile pressure sprayer, composed of two wheels trolley with transportation base for plastic cans, pneumatic 1:1 – stainless steel piston pump, suction hose, 10 m – polyurethane hose, diameter 8 x 12 mm, rack for hose storage during transportation, spray gun and lance with nozzle.



Art. no.	Compressed air supply	Compression ratio	Outlet pressure	Connection threads	Weight	Dimensions (LxWxH) (mm)
50105	2 - 8 bar	1:1	2 – 8 bar	1/4" BSP (M)	19 kg	430x440x900



Art.no. **50123**
FOAMER SPRAYER HYDRA

Foamer and sprayer unit HYDRA, wall-mounting version, designed for the mixture of water with detergents and for the generation of foam at low pressure.

These systems are an alternative to the classical pressure sprayers and offer the following advantages:

- Suction of the detergent directly from the can with the pure fluid guarantees a high autonomy in work;
- The included switchboard allows an accurate adjustment of the mixing proportion between detergent and water.

The unit is composed of a pneumatic 3:1 – stainless steel piston pump, spraying gun, spray lance with nozzle, 10 m – polyurethane hose, diameter 8 x 12 mm, with connections in stainless steel, cabinet in stainless steel AISI 304 and wall-mounting bracket.

Art. no.	Compressed air supply	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
50123	2-5 bar	6-15 bar	19.5 Kg	400x160x600



Art.no. **12005**

Portable pressure sprayer, with 230 VAC - electric pump in stainless steel including adjustable pressure switch, suction hose including non-return valve for the direct suction from the plastic can with the fluid and 5 m – spiral hose, spray gun and lance with nozzle. The sprayer guarantees a high operational autonomy.

Optionally it is also possible to combine this pressure sprayer with a hose reel of series EASY ROLLER (art.no. 35815 or also 35820) in order to extend the spraying area up to a distance of 20 m.

Art. no.	Voltage	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
12005	230 VAC – 50 Hz	4-6 bar	12 Kg	300x170x500



Art.no. **50110**

Spray gun with lance, suitable for the use with pressure sprayers, with tube in stainless steel and plastic, fan-shaped nozzle.

Art.no. **50111**

Foamer gun with lance, suitable for the use with pressure sprayers, with tube in stainless steel and plastic.

Art. no.	Max working pressure	Max flow	Max working temperature	Connection threads	Lance length	Weight
50110 50111	15 bar	30 l/min	50°C	1/2" BSP (F)	600 mm	0.31 kg



Art.no. **50107**

Wash gun with lance for hot water high pressure cleaners, with extension and stainless steel nozzle.

Art. no.	Max working pressure	Max flow	Max. working temperature	Nozzle	Connection threads	Length extension	Weight
50107	160 bar	30 l/min	100°C	Ø 0.45 – 25°	3/8" BSP (M)	700 mm	0.92 kg



Art.no. **40611**

Art.no. **40610**

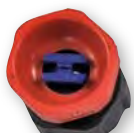
Art.no. **40610**

Wash gun for hot water high pressure cleaners with quick coupling.

Art.no. **40611**

High pressure wash lance in stainless steel with extension, length 700 mm, and stainless steel nozzle (0.45 – 25°).

Art. no.	Max working pressure	Max flow	Max. working temperature	Connection threads	Weight
40610	350 bar	40 l/min	160°C	M 22 x 1.5	0.90 kg
40611	280 bar			Quick coupling	0.60 kg



Art.no. **50122**



Art.no. **50132**



Art.no. **50133**



Art.no. **50120**



Art.no. **50121**



Art.no. **50134**

Art.no. **50122**

Plastic fan-shaped nozzle, suitable for the use with pressure sprayers, Ø 1.1 mm, with 110° flat-fan pattern, including strainer in stainless steel and plastic impact protection.

Art.no. **50132**

Stainless steel foam nozzle, delivery 16 l/min, connection 1/2" BSP (M), max. pressure 25 bar.

Art.no. **50133**

Stainless steel foam nozzle, delivery 10 l/min, connection 1/2" BSP (M), max. pressure 25 bar.

Art.no. **50121**

Plastic (PPS and GF) foam nozzle, delivery 17 l/min (at 3 bar), with 55° flat-fan pattern.

Art.no. **50120**

Plastic fan-shaped nozzle, suitable for the use with pressure sprayers, Ø 1.1 mm, with 110° flat-fan pattern, max. pressure 15 bar.

Art.no. **50134**

Stainless steel fan-shaped nozzle, suitable for the use with pressure sprayers, Ø 1.1 mm, with 110° flat-fan pattern, max. pressure 25 bar.

Art.no. **50136**

Super foam head nozzle (PP and GF), with flat-fan pattern, max. pressure 15 bar, connection 1/2" BSP (M).



Art.no. **50136**



Art.no. **50130**



Art.no. **50135**

Art.no. **50135**
Art.no. **50130**

Heavy duty water gun, suitable for the use with cold and hot water at low pressure, with trigger guard, and adjustable spraying nozzle. Body in brass and coating in blue rubber.

Art. no.	Max working pressure	Max flow	Max working temperature	Connection threads	Weight
50135	25 bar	60 l/min	90°C	1/2" BSP (F)	0.94 kg
50130	12 bar	50 l/min	80°C		0.44 kg



Art.no. **7145201**



Art.no. **71452**

Art.no. **7145201**

Low pressure water gun handle, body in plastic (PP and GF), gaskets in Viton®, valve and spring in stainless steel AISI 316, connection threads 1/2" BSP (F).

Art.no. **71452**

Dispensing gun for windshield washer fluid, body in plastic (PP and GF), gaskets in Viton®, valve and spring in stainless steel AISI 316, connection threads 1/2" BSP (F).



Art.no. **50138**



Art.no. **50106**

Art.no. **50138**

Dispensing gun for water at low pressure (max 10 bar), body in brass with coating in oil-resistant rubber, connection threads 3/8" BSP (F).

Art.no. **50106**

Low pressure wash gun (max 20 bar), with regulating screw, body in nickel-plated aluminium, connection threads 1/2" BSP (F).



Art.no. **14113**

Art.no. **14113**

Dispensing gun, body in anodized aluminium, impact resistant, with trigger guard, cartridge filter, Viton® gaskets, connections 1/2" BSP (F), with 1/2" BSP (M) inlet swivel in stainless steel and rigid plastic outlet, Ø 16 mm.



Art.no. **6883**



Art.no. **6882**



Art.no. **6885**



Art.no. **6884**

Art.no. **6882**
Art.no. **6883**
Art.no. **6884**
Art.no. **6885**

Valved quick couplings and quick connectors for the use with water at high pressure.

Art. no.	Max working pressure	Max flow	Max working temperature	Connection threads	Weight
6882	280 bar	30 l/min	90°C	3/8" BSP (M)	0.05 kg
6883				3/8" BSP (F)	0.11 kg
6884				1/2" BSP (M)	0.05 kg
6885				1/2" BSP (F)	0.11 kg



Art.no. **52460**

Mobile parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of storage container with 65 l capacity with two wheels and two castors, cleaning basin with closable and removable cover, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts, blow gun with rigid outlet. The system enables a continuous fluid circulation by pressurizing the container with compressed air at max. 0.5 bar.

Note: please use only suitable detergents and degreasing agents for the parts cleaning.



Art.no. **52300**
Detergent for parts cleaners,
in 20l – plastic can

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Capacity container	Weight	Dimensions (LxWxH) (mm)
52460	0.5 bar	0.5 bar	60 l	65 l	42 Kg	560x700x1000



Art.no. **52400**

Mobile parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of cleaning basin with closable and removable cover, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts, blow gun with rigid outlet and shelf for the placing of plastic cans or drums, with 4 castors. The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 31221-OT).

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

Art.no. **52400-100**

Mobile parts cleaner in painted steel, based on art.no. 52400 with 90 l capacity.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
52400	1 - 4 bar	4 bar	60 l	36 Kg	560x700x810
52400-100			90 l	45 Kg	560x1000x810



Art.no. **52500**

Mobile parts cleaner, with closed circuit of detergent fluid, consisting of cleaning basin in stainless steel AISI 304 with closable and removable cover, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts, blow gun with rigid outlet and shelf for the placing of plastic cans or drums, with 4 castors. The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 31221-OT).

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
52500	1 - 4 bar	4 bar	60 l	36 Kg	560x700x810



Art.no. **52480**

Closed-circuit washing station **with system for heating** liquid detergents, mounted on a 65L wheeled tank

- Fluid recycling system using electric immersion pump;
- Fluid heater which can set temperatures of up to 60°C using a thermostat;
- Height-adjustable worktop from 1000 to 1200mm;
- Flexible hose with water-permeable scrubbing brush;
- Removable cover;
- Electric control panel.

	Voltage	Power	Current drain	Rpm	Protection category
Pump	230 VAC	60 W	0.4 A	2800	IP 54

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Capacity container	Weight	Dimensions (LxWxH) (mm)
52480	230 V	0.5 bar	60 l	65 l	42 Kg	710x1080x600



Art.no. **52470**

Closed-circuit washing station with 65L wheel-mounted tank. Fluid recycling system using an air-operated rotary pump with pressure up to 4 bar. Equipped with a flexible steel hose and water-permeable scrubbing brush, this system provides a continuous flow and thorough cleaning of components. Comes complete with removable cover, air compressor gun with long nozzle, pressure regulator with gauge, water separator and lubricator.

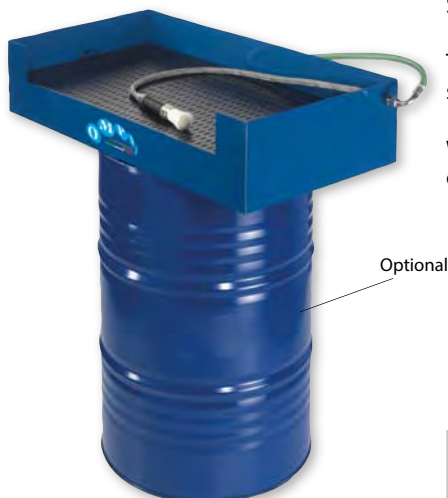
Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Capacity container	Weight	Dimensions (LxWxH) (mm)
52470	2 - 4 bar	4 bar	60 l	65 l	44 Kg	710x1080x600

Art.no. **52450**

Stationary parts cleaner in painted steel, provided for mounting on 208 l – original detergent drums.

The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 31221-OT).

With fluid-permeable cleaning brush which permits a continuous flow of the detergent and an accurate cleaning of parts.



Optional

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
52450	1 – 4 bar	4 bar	50 l	36 kg	560x1000x300

Pneumatic pumps, standard series, with cylinder in stainless steel AISI 304 and EPDM gaskets for the supply of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use. Versions with VITON or TEFLON seals are also available on request.



Art. no.	22044	22045	22070	22060	22077	22050	31246	31261	31247PL	31265
Compressed air supply	Compressed air Min 2 Max 8 bar									
Compression ratio	1:1	3:1	1:1	3:1	2:1	1:1	2.7:1			
Outlet pressure	8 bar	24 bar	8 bar	50 bar	16 bar	8 bar	22 bar			
Delivery	35 l/min	13 l/min	40 l/min	35 l/min	13 l/min	30 l/min	35 l/min	16,7 l/min		
Connection compressed air	F 1/4" BSP									
Connection lubricant outlet	3/4" BSP (F)	1/2" BSP (M)	3/4" BSP (F)	1/2" BSP (M)	3/4" BSP (F)	1/2" BSP (M)	3/4" BSP (F)	1/2" BSP (M)		
Max air consumption with 8 bar pressure	210 l/min					240 l/min		210 l/min		
Length suction tube	140 mm	260 mm	1000 mm / 1300 mm	1000 mm	195 mm	140 mm	355 mm			
Gaskets	EPDM					VITON				
Weight	5 Kg	4 Kg	7 Kg	4,2 Kg	5 Kg	5,6 Kg				

Heavy duty pneumatic pumps, particularly designed for the supply of fluids under demanding conditions and where a high delivery is required. With cylinder in stainless steel AISI 304 and PTFE gaskets, suitable for the supply of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.



Flanged version

Art.no **21255EVO**



Flanged version

Art.no **31191**
Art.no **31190**
Art.no **31193**



Divorced version

Art.no **31195**

Art. no.	21255EVO	31191	31190	31193	31195
Compressed air supply	Compressed air Min 1 Max 8 bar				
Compression ratio	4:1	8:1	12:1	16:1	8:1
Outlet pressure	32 bar	64 bar	96 bar	128 bar	64 bar
Delivery	35 l/min	30 l/min	27 l/min	15 l/min	30 l/min
Connection compressed air	3/8" BSP (F)	1/2" BSP (F)			
Connection lubricant outlet	3/4" BSP (F)				
Max air consumption with 8 bar pressure	280 l/min	2050 l/min	1920 l/min	1800 l/min	2050 l/min
Length suction tube	260 mm	355 mm			655 mm
Diameter pneumatic piston	80 mm	100 mm	125 mm	160 mm	100 mm
Gaskets	PTFE				
Weight	12 kg	15 kg	16 kg	19 kg	16 kg



Art.no **32210**

Wall bracket in galvanized steel, suitable for the installation of heavy duty pneumatic pumps.



Art.no 22071

Suction tube in stainless steel, \varnothing 40 mm, length 950 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with 208 l - drums.

Art.no 22071-07

Suction tube in stainless steel, \varnothing 40 mm, length 650 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with 60 l - drums.

Art.no 22072

Suction tube in stainless steel, \varnothing 40 mm, length 1200 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with tanks.

Art.no 22083

Suction tube in stainless steel, \varnothing 40 mm, length 1500 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with tanks.

Art.no 22079

Suction tube in plastic material, \varnothing 28 mm, supplied in two parts with length 650 mm and 950 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with drums or tanks.

Art.no 14251

Inlet swivel, in stainless steel AISI 304, connection threads 1/2" BSP (M).



Art.no 14251 Art.no 14250 Art.no 14260

Art.no 74561

Non-return valve in stainless steel AISI 304, suitable for in-line installations, connection threads 1/2" BSP (F).

Art.no 74560

Non-return valve in stainless steel AISI 304, suitable for in-line installations, connection threads 1/4" BSP (F).

Art.no 14250

Inlet swivel, in stainless steel AISI 304, connection threads 3/4" BSP (M) - 1/2" BSP (M).



Art.no 74561
Art.no 74560

Art.no 14258

Art.no 14260

Inlet swivel, in stainless steel AISI 304, connection threads 3/4" BSP (M) - hose tail \varnothing 20 mm.

Art.no. 14258

Stainless steel (AISI 303) automatic anti-drip nozzle \varnothing 16 mm. Connection F 3/8" BSP.

Manual pumps with suction tube in stainless steel AISI 304, suitable for the transfer of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.



Art.no **22080**

Lever action, single acting drum pump in stainless steel, delivery 8 l/min, with curved rigid outlet, bung adapter for the fixation on drum and gaskets in Viton®.

Art.no **22095**

Lever action, single acting drum pump in stainless steel, delivery 8 l/min, with curved rigid outlet, bung adapter for the fixation on drum and gaskets in PTFE.



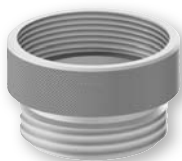
Art.no **22095UR**

Lever action, single acting drum pump in stainless steel, art. no. 22095, delivery 8 l/min, with 4 m – delivery hose and rigid outlet in stainless steel, bung adapter for the fixation on drum and gaskets in PTFE.

Art. no.	Delivery/min	Delivery/stroke	Length suction tube	Weight	Dimensions (LxWxH) (mm)
22080	8 l/min	0.13 l	1000 mm	2 Kg	410x80x1350
22095					
22095UR					

Art.no **3105.0004**

Bung adapter 2"/60x2 for AdBlue® drums and tanks.



Art.no. **50320**

Mobile, pneumatic tyre inflator with container of 24 l capacity, charging of compressed air manually, consisting of tyre inflating gun with pressure gauge (art. no. 40602) and 5 m – spiral hose. The unit works autonomously once it has been pressurized with compressed air at max 7 bar pressure.



Art. no.	Weight	Dimensions (LxWxH) (mm)
50320	12.5 Kg	380x330x780

Art.no. **50315**

Portable, pneumatic tyre inflator with container of 15 l capacity, charging of compressed air manually or automatically by the use of a MF valve installed on the handle, consisting of tyre inflating gun with pressure gauge (art. no. 40602) and 5 m – spiral hose.

The unit works autonomously once it has been pressurized with compressed air at max 7 bar pressure.



Art. no.	Weight	Dimensions (LxWxH) (mm)
50315	10 Kg	300x400x810

Art.no. **40630**

Jet cleaning gun with 1L container, with 1/4" BSP bayonet connector.



Art.no. **40602**



Art.no. **40602**

Tyre inflating gun with pressure gauge \varnothing 60 mm, dual pressure scale (0 – 10 bar / 0 – 140 psi), pressure release button, clip-on connector, 300 mm – rubber hose, connection 1/4" BSP (M).

Art.no. **40604**



Art.no. **40604**

Tyre inflating gun, Michelin type, with pressure gauge \varnothing 80 mm in accordance with directive 86/217/EC and UNI EN 12645:2104, dual pressure scale (0 – 10 bar / 0 – 140 psi), pressure release button, clip-on connector, 1500 mm – rubber hose, connection 1/4" BSP (M).



Art.no. **40603**

Tyre inflating gun with precision pressure gauge \varnothing 80 mm, dual pressure scale (0 – 12 bar / 0 – 140 psi), air inlet safety system, clip-on connector, 500 mm – rubber hose, connection quick coupling 1/4".



Art.no. **40605**

Tyre inflating gun, with digital pressure gauge, measuring units: bar – psi – kpa – kg/cm², dual pressure scale (0.2 – 12 bar / 0 – 140 psi), resolution +/- 0.02 bar, clip-on connector, 400 mm – rubber hose, connection quick coupling 1/4".
Power supply: lithium batteries 3 V (1.5 V x 2).

Art.no. **40603**

Art.no. **40605**



Art.no. **40612**

Air blow gun, body in nickel-plated aluminium, with bayonet nut connector 1/4" BSP.

Art.no. **40614**

Air blow gun with long rigid outlet, body in nickel-plated aluminium, with bayonet nut connector 1/4" BSP.

Art.no. **40612**

Art.no. **40614**



Art.no. **40636**

Paint spray-gun with 1L container.



Art.no. **430XX**

Spiral hose for compressed air, int. \varnothing 6 mm, ext. \varnothing 8 mm.
Replace XX with the number of meters required.



Art.no. **40400**

Compressed air pressure regulator with manometer, air nipple 1/4" BSP (M) for hose connection and connection adapter 1/4" BSP (M - M) for the installation at the compressed air inlet of the pump.

Regulation range: 0 - 8 bar.



Art.no. **40360**

Art.no. **40305**

Art.no. **40302**

Art.no. **40360**
Art.no. **40305**
Art.no. **40302**

Combined compressed air pressure regulator with manometer and air filter with automatic bleeding, with lockable regulating screw, air nipple for hose connection and connection adapter for the installation at the compressed air inlet of the pump.

Art. no.	40360	40305	40302
Connection threads	1/4" BSP (M)	3/8" BSP (M)	1/2" BSP (M)
Filtration degree (microns)	20	20	20
Regulation range	0 - 8 bar	0 - 8 bar	0 - 8 bar
Max air flow (l/min.)	850	1650	2310
Collection capacity condensate (cm ³)	22	55	100
Temperature range (°C)	5 - 50	5 - 50	5 - 50
Dimensions (LxWxH) (mm)	42x42x198	75x63x276	75x63x276



Art.no. **40300**

Art.no. **40306**

Art.no. **40303**

Art.no. **40300**
Art.no. **40306**
Art.no. **40303**

Combined compressed air treatment kit, composed of pressure regulator with manometer, air filter with automatic bleeding, air line oil mist lubricator, lockable regulating screw, air nipple for hose connection and connection adapter for the installation at the compressed air inlet of the pump.



Art.no. **40420**

Art.no. **40430**

Art.no. **40435**

Art.no. **40420**

Air valve 3/4" BSP (M + F).

Art.no. **40430**

Air valve 1/4" BSP (M + F).

Art.no. **40435**

1/4" BSP (M) quick air coupler.

Art.no. **40434**

1/4" BSP (M) fitting with milled nut.



Art.no. **40434**

Art.no. **40436**

Art.no. **40437**

Art.no. **40436**

1/4" BSP quick male coupler.

Art.no. **40437**

1/4" BSP quick female coupler.



Art.no. **10150**

COMP AR - Portable dry-running air piston compressor, with handle for comfortable grip, for air compression (without oil) in the use of pneumatic tools compliant with current regulations (such as guns for blowing, inflation, washing, painting or sandblasting, etc.). It can be used in the industrial, craft and civil sectors and includes: double control pressure gauge (tank pressure and output air), manual outlet air pressure regulator (0÷10 bar), ON-OFF button, rapid air outlet tap, pressure switch for machine control and stop, electrical supply cable.

The machine is also equipped with the following safety devices: certified safety valve (calibrated at 10.5 bar), fixed protection grid and motor protection.

Art. no.	Voltage	Power	Max pressure	Air delivery (5 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
10150	230 V – 50 Hz	0.75 kW	10 bar	60 L/min	5 L	11 Kg	40x20x40



Art.no. **10200**

COMP AR - Portable dry -running air piston compressor, tank capacity 10 lt, with handle for comfortable grip, for air compression (without oil) in the use of pneumatic tools compliant with current regulations (such as guns for blowing, inflation, washing, painting or sandblasting, etc.).

It can be used in the industrial, craft and civil sectors for semi-intensive uses.

Art. no.	Voltage	Power	Max pressure	Air delivery (5 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
10200	230 V – 50 Hz	0.75 kW	8 bar	85 L/min	10 L	18 Kg	37x52x37



Art.no. **10250**

COMP AR - Portable dry -running air piston compressor, tank capacity 20 lt, with handle for comfortable grip, for air compression (without oil) in the use of pneumatic tools compliant with current regulations (such as guns for blowing, inflation, washing, painting or sandblasting, etc.).

It can be used in the industrial, craft and civil sectors for semi-intensive uses.

Art. no.	Voltage	Power	Max pressure	Air delivery (5 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
10250	230 V – 50 Hz	1.50 kW	8 bar	140 L/min	20 L	31 Kg	44x65x40



Art.no. **10300**

COMP AR - Portable dry-running air piston compressor with extendable handle, tank capacity 90 lt, for air compression (oil free) with mechanical system AXER (Axial Elements Rotation). This system allows a more natural, quieter and high efficiency movement thanks to its characteristic "2 headed mono piston".

It can be used in the industrial, craft and civil sectors and includes: double control pressure gauge (tank pressure and output air), manual output air pressure regulator (0÷10 bar), ON-OFF button, rapid air outlet tap, pressure switch for machine control and stop, electrical supply cable and inlet air filtering system against dust and particulate matter. The machine is also equipped with the following safety devices: certified safety valve (calibrated at 10.5 bar), fixed protection grid and motor protection.

Art. no.	Voltage	Power	Max pressure	Air delivery (5 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
10300	230 V – 50 Hz	2.2 kW	10 bar	200 L/min	90 L	56 Kg	103x38x70

Art.no. **10350**

COMP AR - Portable dry-running air piston compressor with extendable handle, tank capacity 270 lt, for air compression (oil free) with mechanical system AXXER (Axial Elements Rotation).



Art. no.	Voltage	Power	Max pressure	Air delivery (5 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
10350	400 V – 50 Hz	3.2 kW	10 bar	400 L/min	270 L	80 Kg	103x38x70

Art.no. **10400**

COMP SPECIAL - Screw compressor, tank capacity 2.5 lt, consisting of screw pumping unit (screw, oil remover, thermostatic valve, minimum pressure valve, suction valve). Suitable for industrial, craft and civil uses.



Art. no.	Voltage	Power	Max pressure	Air delivery (10 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
10400	230 V – 50 Hz	2.7 kW	10 bar	270 L/min	2.5 L	46 Kg	76x62x69

Art.no. **10450**

COMP SPECIAL AR - Portable screw compressor, tank capacity 2.5 lt, consisting of screw pumping unit (screw, oil remover, thermostatic valve, minimum pressure valve, suction valve). Suitable for industrial, craft and civil uses.



Art. no.	Voltage	Power	Max pressure	Air delivery (10 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
10450	230 V – 50 Hz	2.7 kW	10 bar	270 L/min	2.5 L	52 Kg	79x62x69

Art.no. **10500**

COMP 3 AR - Portable screw compressor, tank capacity 7 lt, consisting of screw pumping unit (screw, oil remover, thermostatic valve, minimum pressure valve, suction valve). Suitable for industrial, craft and civil uses.



Art. no.	Voltage	Power	Max pressure	Air delivery (10 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
10500	400 V – 50 Hz	3.5 kW	10 bar	360 L/min	7 L	71 Kg	79x62x69



Art.no. **10520**

PIPE EQOFLUIDS - Ø 20 mm aluminium pipe for compressed air - 4 mt bar - 16 bar.

Art.no. **10525**

PIPE EQOFLUIDS - Ø 25 mm aluminium pipe for compressed air - 4 mt bar - 16 bar.

Art.no. **10532**

PIPE EQOFLUIDS - Ø 32 mm aluminium pipe for compressed air - 4 mt bar - 16 bar.

Art.no. **10540**

PIPE EQOFLUIDS - Ø 40 mm aluminium pipe for compressed air - 4 mt bar - 16 bar.



Art.no. **10620**

FITTING EQOFLUIDS - Ø 20 mm - straight coupling - 16 bar.

Art.no. **10625**

FITTING EQOFLUIDS - Ø 25 mm - straight coupling - 16 bar.

Art.no. **10632**

FITTING EQOFLUIDS - Ø 32 mm - straight coupling - 16 bar.

Art.no. **10640**

FITTING EQOFLUIDS - Ø 40 mm - straight coupling - 16 bar.



Art.no. **10720**

FITTING EQOFLUIDS - Ø 20 mm - T 90° - 16 bar.

Art.no. **10725**

FITTING EQOFLUIDS - Ø 25 mm - T 90° - 16 bar.

Art.no. **10732**

FITTING EQOFLUIDS - Ø 32 mm - T 90° - 16 bar.

Art.no. **10740**

FITTING EQOFLUIDS - Ø 40 mm - T 90° - 16 bar.



Art.no. **10820**

FITTING EQOFLUIDS - Ø 20 mm - elbow 90° - 16 bar.

Art.no. **10825**

FITTING EQOFLUIDS - Ø 25 mm - elbow 90° - 16 bar.

Art.no. **10832**

FITTING EQOFLUIDS - Ø 32 mm - elbow 90° - 16 bar.

Art.no. **10840**

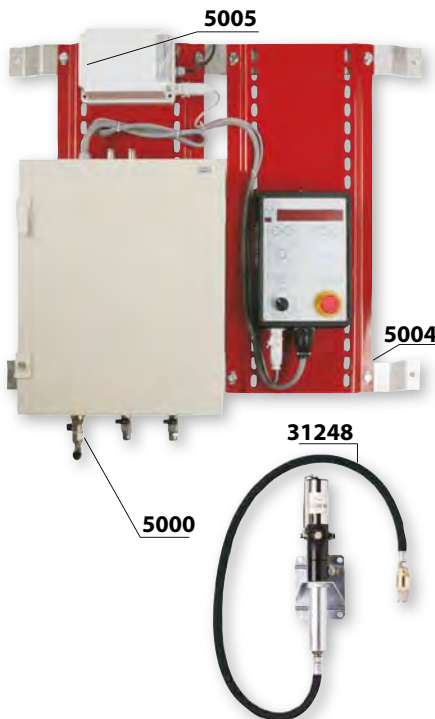
FITTING EQOFLUIDS - Ø 40 mm - elbow 90° - 16 bar.

DOSAMIX – System for the dosing and proportional, automated mixing of antifreeze, lubricating oils or emulsions.

The system is based upon the proportional dosing - regulated by solenoid valves - of two fluids that shall be mixed and whose flow is measured by two meters with pulse transmitters which are monitored by the electronic control unit that keeps a constant balance of the preset mixture percentages. The electronic control allows to adapt the configuration exactly to the individual installation requirements.

The system offers the following benefits:

- Wide range of presettable mixture percentages from 0.5 % - 50 % with a high accuracy of +/- 0.5 %.
- Constant concentrations with the possibility to store and to monitor 8 different mixing degrees.
- Manual dispense or dispense of preset quantities by using a keyboard or automatically through pulses activated by installed level gauges (min. – max) installed in the storage containers of the mixed fluids.
- Optional use of "CONTINUOUS" mode or "TIME PRESET" mode from min. 1 min. up to 12 hours.
- Automatic pump stop by means of installed level gauges which give a signal to interrupt the pump function as soon as the minimum level in the storage container of the mixed fluid has been reached.
- Monitoring by means of the "REPORT" function which starts the print of statistics comparing the really achieved dosage values with the preset values of all the preset transactions.



Art.no. **DOSAMIX 5000**

Kit **DOSAMIX** suitable for the mixture of a fluid with water in concentrations from 0.5 % until 50 %.

The kit is composed of:

- Mixing unit with keypad, art. no. 5000
- Wall mounting bracket, art. no. 5004
- Transformer / stabilizer 230 VAC – 12 VDC for the power supply, art. no. 5005
- 1:1 - pneumatic pump, art. no. 31248.

The fluids must enter into the mixing unit with a pressure of min. 3 bar. In the standard version only 1 pump is included, so that it is necessary to make sure that the second fluid to be mixed is dispensed with sufficient pressure, otherwise another pump must be provided in the installation.



Art.no. **5010**

The installation of the kit DOSAMIX on the mounting shelves of series Tank Service Base permit to create an autonomous unit for the mixture of a fluid with water in concentrations from 0.5 % until 50 %.

The kit is composed of:

- Mixing unit with keypad, art. no. 5000
- Transformer / stabilizer 230 VAC – 12 VDC for the power supply, art. no. 5005
- 1:1 - pneumatic pump, art. no. 31248
- Mounting shelf with spill containment pallet, art. no. 49710.



Non-return valve, prevents the reflow of the fluid into the main pipe.

Fluid pipework that leads to storage containers of which each can have a different percentage of the mixed fluids.

Level indication kit, consisting of solenoid-actuated shut-off valve and probe with high and low level sensor. When the preset minimum level in the storage containers has been reached, a fluid dispense from the mixing unit will automatically be started. As soon as the maximum level has been reached, the flow will automatically be stopped again.

Ball valve; enables or prevents the required fluid mixture to enter into the corresponding pipe.

Ticket printer; allows to compare the real dispensed values with the preset values and control all dispenses.

Electronic control keypad for mixing unit; serves for the adjustment of all functions. The dispenses can be activated manually, via remote control or by preset function. The figures can be controlled on the keypad display.

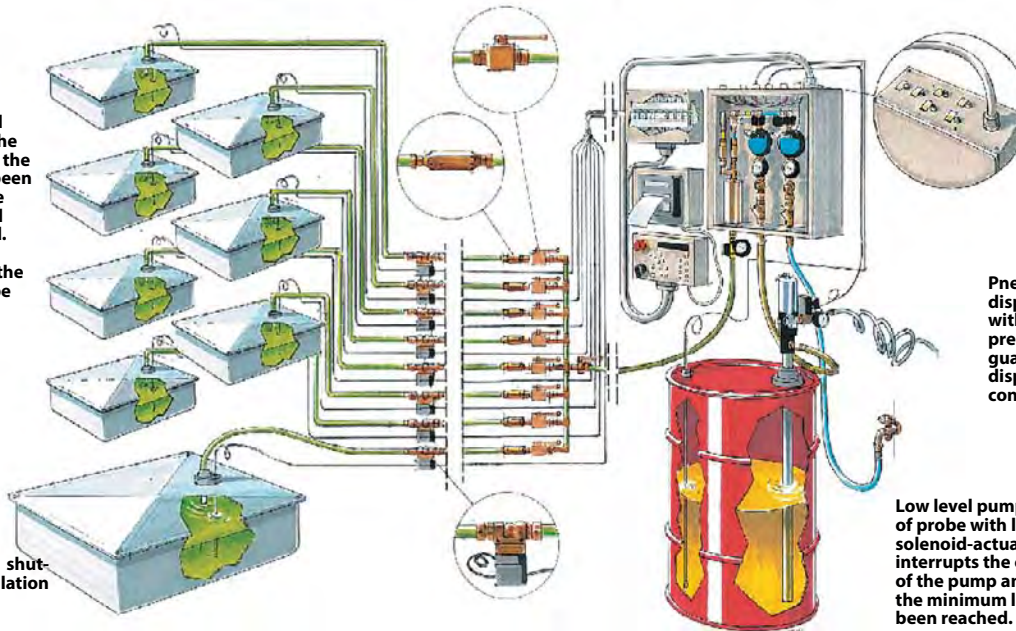
Electric signals distributor; allows to expand the mixing unit to handle up to 8 containers with different fluid concentration percentages.

Electronic mixing unit; two fluids can be mixed proportionally in constant concentration percentages.

Switchboard with cable connections to receive the electronic signals; serves for the control of the filling levels, of the fluid flows, of the solenoid shut-off valves and of the pump.

Pneumatic pump; serves for the dispense of the fluid to be mixed with water and to keep sufficient pressure in the pipework to guarantee an immediate fluid dispense into the storage containers when required.

Low level pump stop kit, consisting of probe with low level sensor and solenoid-actuated shut-off valve that interrupts the compressed air supply of the pump and stops it as soon as the minimum level in the drum has been reached.



Solenoid-actuated shut-off valve for the regulation of the fluid flow.

Art.no. 50500

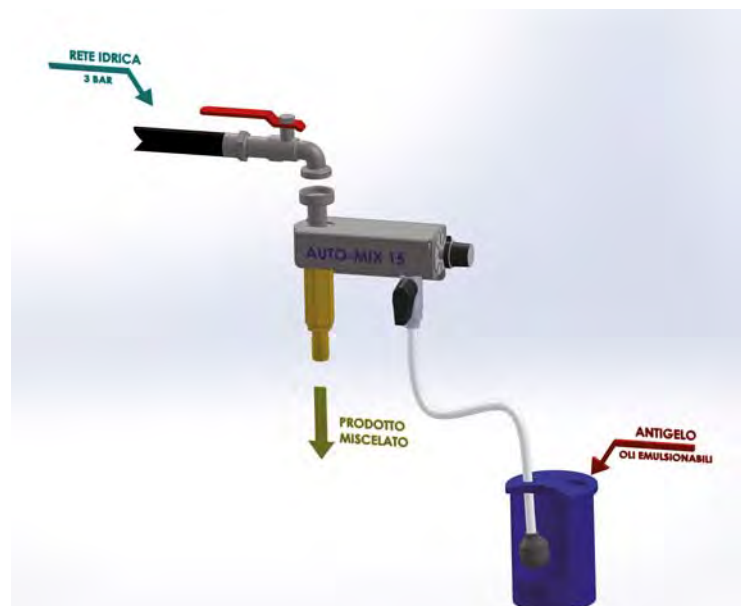
Instantaneous dosing/mixing device for antifreeze, lubricating oils, emulsions and detergents.

The use of this device allows to dispense in a quick and easy way the desired mixture of two fluids, assuring a constant mixture concentration, settable from 1 % to 40 % and created by the water flow at min. 3 bar through an included Venturi valve.

The setting of the desired mixture percentage is made with an adjustment knob on the device.

Art.no. 50510

Instantaneous dosing/mixing device, based on art.no. 50500, complete with rilsan tube, non-return valve and suction filter



Art. no.	Flow range	Inlet pressure	Mixture percentage	Connections
50500	min. 5	min. 3 bar	1 % ÷ 15 %	3/4" BSP (M)
50510	max 11 l/min		15 % ÷ 40 %	



Art.no. **92000**

Mobile evacuation unit for **LPG** and **methane** cylinders.

LPG cylinders: recovery of the liquid part, combustion of the remaining gaseous part and final washing with nitrogen for total safety.

Methane cylinders: combustion of the residual gas and final washing with nitrogen for total safety.

Nitrogen cylinder not supplied.

In accordance with Directive ATEX – group II – category 2 - GD 70°.

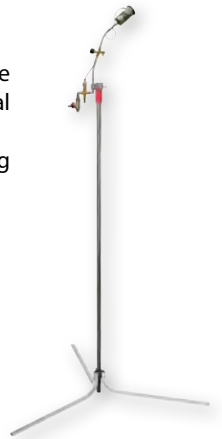


Photo of the methane combustion torch.

Art. no.	Nominal thermal power	Max flow rate LPG pump	Weight	Dimensions (LxWxH) (mm)
92000	90000 Kcal/h - 105 kW	55 l/min	70 kg	580x640x1100



Art.no. **92050**

Mobile unit for the safe combustion of residual **LPG** and **methane** from gas cylinders.

In the first cycle the gas (LPG or methane) is combusted, in the second cycle then the washing out of the cylinder (cylinder not included) with nitrogen can be made so that the empty cylinder can be used again. In accordance with CE-directives.

Art.no. **92250**

Mobile unit for the safe combustion of residual **methane** from gas cylinders. In the first cycle the gas is combusted, in the second cycle then the washing out of the cylinder (cylinder not included) with nitrogen can be made. In accordance with CE-directives.

Art.no. **92200**

Mobile unit for the safe combustion of residual **LPG** from gas cylinders. In the first cycle the gas is combusted, in the second cycle then the washing out of the cylinder (cylinder not included) with nitrogen can be made. In accordance with CE-directives.

Art. no.	Nominal thermal power	Weight	Dimensions (LxWxH) (mm)
92050	90000 Kcal/h - 105 kW	60 kg	580x640x1100
92250		40 kg	
92200			



Art.no. **92100**

Mobile unit for the safe combustion of residual **LPG** from gas cylinders. In the first cycle the liquid part of the gas is recovered **by means of a pump** and the residual gaseous part is combusted, in the second cycle then the washing out of the cylinder (cylinder not included) with nitrogen can be made.

In accordance with CE-directives.



Art. no.	Nominal thermal power	Max flow rate LPG pump	Weight	Dimensions (LxWxH) (mm)
92100	90000 Kcal/h - 105 kW	55 l/min	70 kg	580x640x1100



Art.no. **80723**

Trolley with 2 wheels and base, suitable for pails of 18 - 60 kg.



Art.no. **80722**

Trolley with 2 wheels and 2 castors, suitable for pails of 20 – 60 kg.



Art.no. **80785**

Trolley with 2 wheels and two castors, standard version, suitable for 208 l – drums.



Art.no. **80726**

Trolley with 4 wheels for electric grease pumps, suitable for 20 and 60 kg – drums.



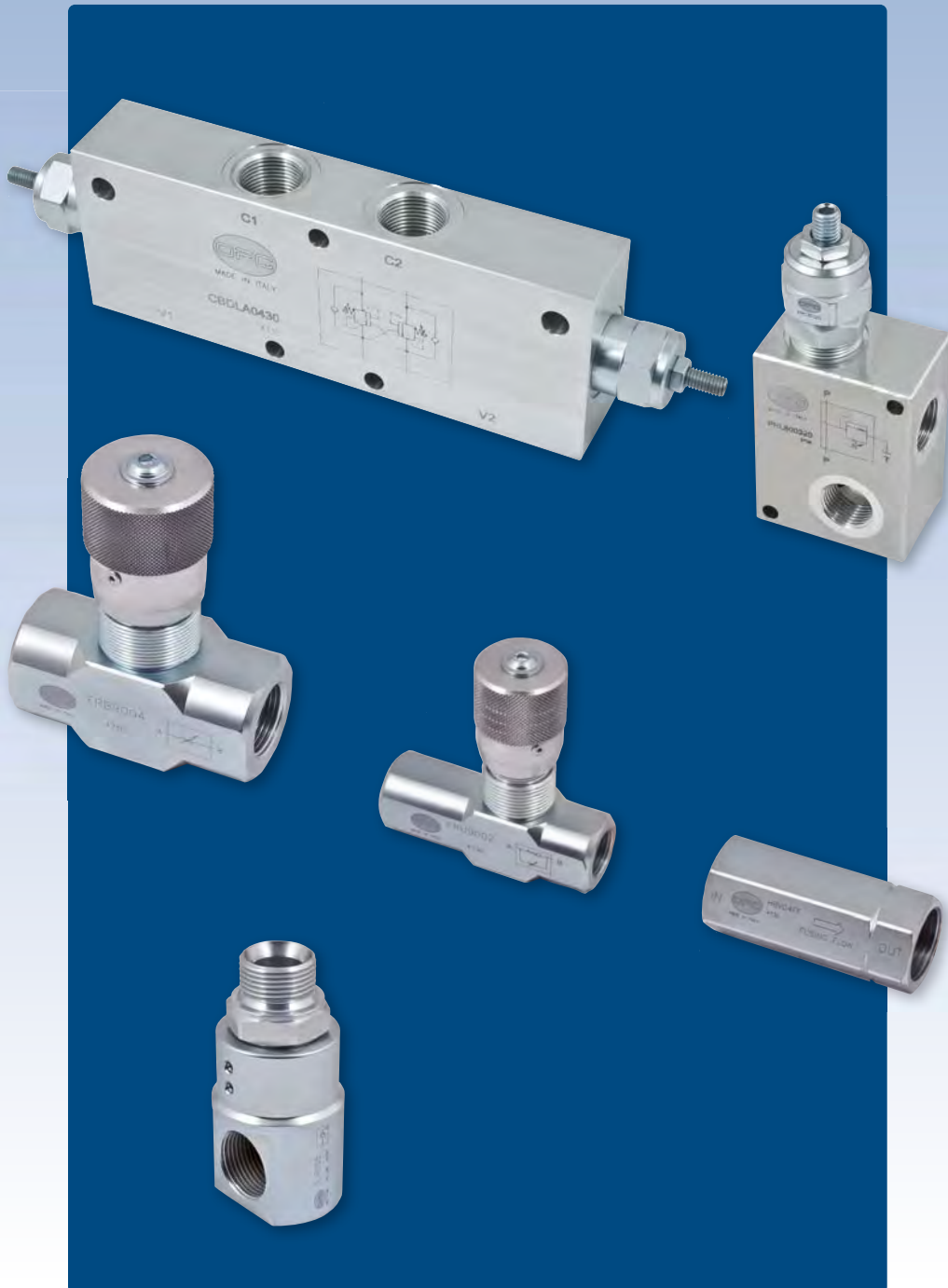
Art.no. **80792**

Trolley with 2 special rubber wheels and 2 rubber castors with brakes, heavy duty version, provided for the use on rough surfaces, including spill containment base with steel grate. The trolley is also provided for the mounting of a hose reel.

OFC-VILLA: the new Ompi hydraulics division.

OFC-VILLA is the name of the new Ompi division dedicated to the design, production and sale of hydraulic valves and integrated systems for the mobile and industrial machinery sectors.

Founded with the aim of adding to Ompi's range of solutions with **high-quality solutions in an area as important as hydraulics**, OFC-VILLA responds to the needs of mobile machine manufacturers in the fields of agriculture and construction, as well as manufacturers of fixedposition industrial machinery, and is a valuable partner for anyone operating in the area of component resale and spare parts.



A top partner for top solutions.

Swift responses to every request, high-quality components 100% **made in Italy**, cutting-edge design methods and the advanced skills of our technical staff and consultants are **OFC-VILLA's** main strengths.

Thanks also to our partnership with the long-established firm **Villa Hydraulics**, we are able to help customers find the solutions with the best performances by producing customized products and systems in close cooperation with the end users.

Wide assortment and maximum design flexibility for customized solutions.

The OFC-VILLA catalogue of products and systems comprises valves to regulate flow and pressure, cartridge valves, engine valves with SAE6000 and Cetop flanges, motion control systems and rotation control systems.

One of the mainstays of our production is **overcenter valves**, which the OFC-VILLA group produces in various different versions in order to always guarantee maximum accuracy and endurance in managing suspended loads. The already wide range of options in the catalogue is further enhanced by the group's ability to meet every specific requirement with tailor-made **solutions produced on request**.



- 1 The goods supplied by us are covered by our warranty. Every item that is confirmed faulty when manufacturing it will be replaced if it's delivered free our warehouse.
- 2 The good travels at buyer's risk and danger even in case of shipment effected with previous agreement far free destination. At the receipt of the goods you have to check the state of the packages and the quantity. We cannot accept claims regarding packings, shipment, invoicing if not effected within 8 days from delivery on the goods.
- 3 The price list that is now in force cancels and replaces all the previous ones, moreover the prices can be changed without any advise.
- 4 The technical information of the present price list and catalogue to which it refers are not binding and can be changed without any advise.
- 5 For every misunderstanding we confirm the sole jurisdiction of the law court of Reggio Emilia-Italy.



OMPI s.r.l. • Via Giovanni Falcone, 10/A • 42020 Borzano di Albinea (RE) - Italy
Tel: +39 0522 347247 • Fax: +39 0522 347259 • www.ampi.com • ampi@ampi.com

The data contained in this catalogue are not to be considered as binding. OMPI s.r.l. have the right to modify them without notice.