OMPI S.R.L.
FLUID HANDLING TOOLS
MADE IN ITALY







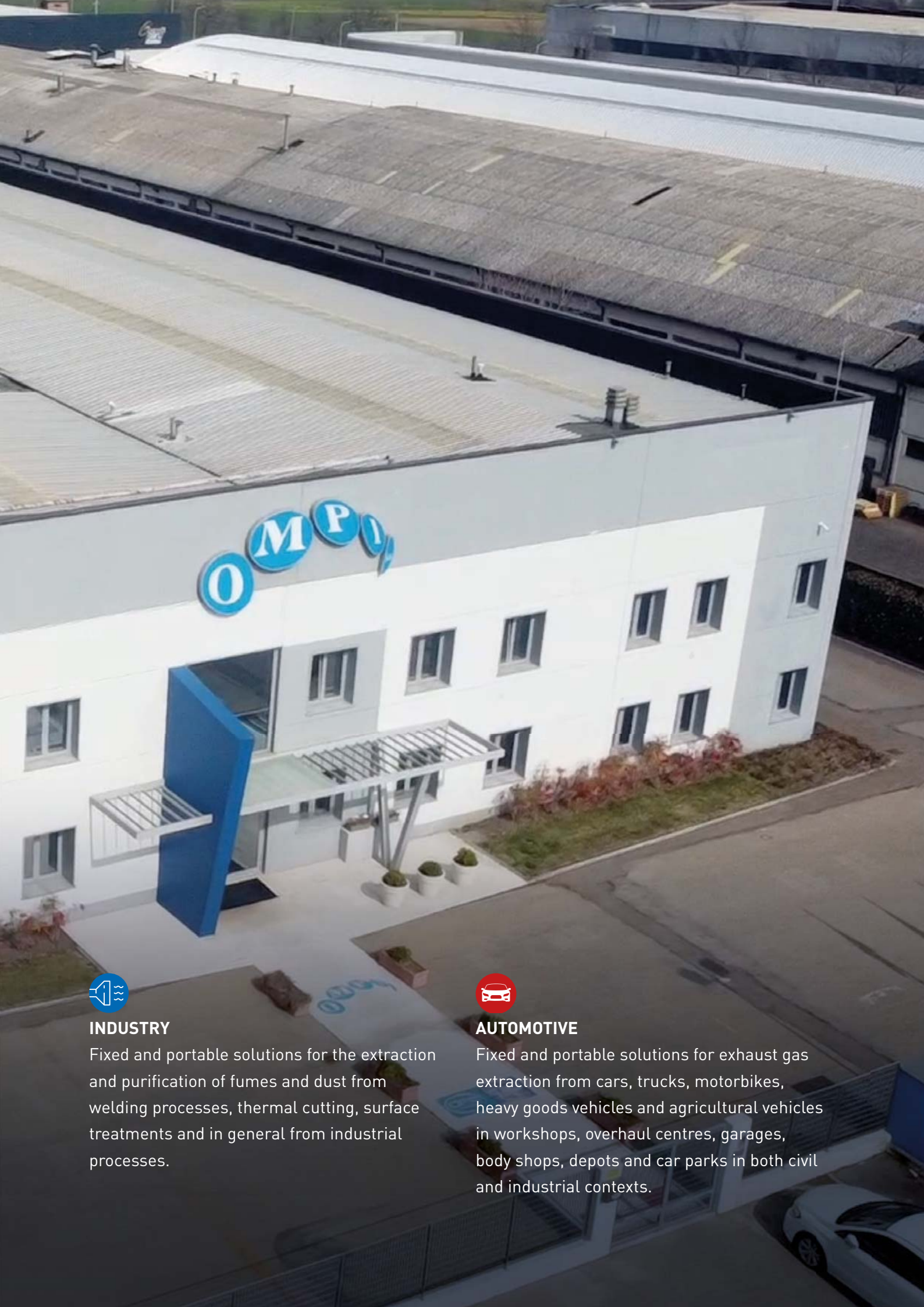

EXHAUST GAS EXTRACTION EQUIPMENTS

2024

EQUIPMENT AND SYSTEMS FOR SMOKE, DUST AND EXHAUST GAS TREATMENT

COMPANY PROFILE & MISSION

OMPI was founded in 1974 as a manufacturer of elements for hydraulics, specialising in the field of lubrication fluid handling with the development of a wide range of lubrication equipment.
In addition to the production of equipment, **OMPI** designs, installs and services centralised turnkey systems for the distribution, management and monitoring of lubricants in car, motorbike and industrial vehicle workshops.
With this catalogue **OMPI** presents its new division specialising in Smoke, Dust and Exhaust Gas Treatment under the name of Exhaust Gas and Welding Fumes Extraction Equipment.

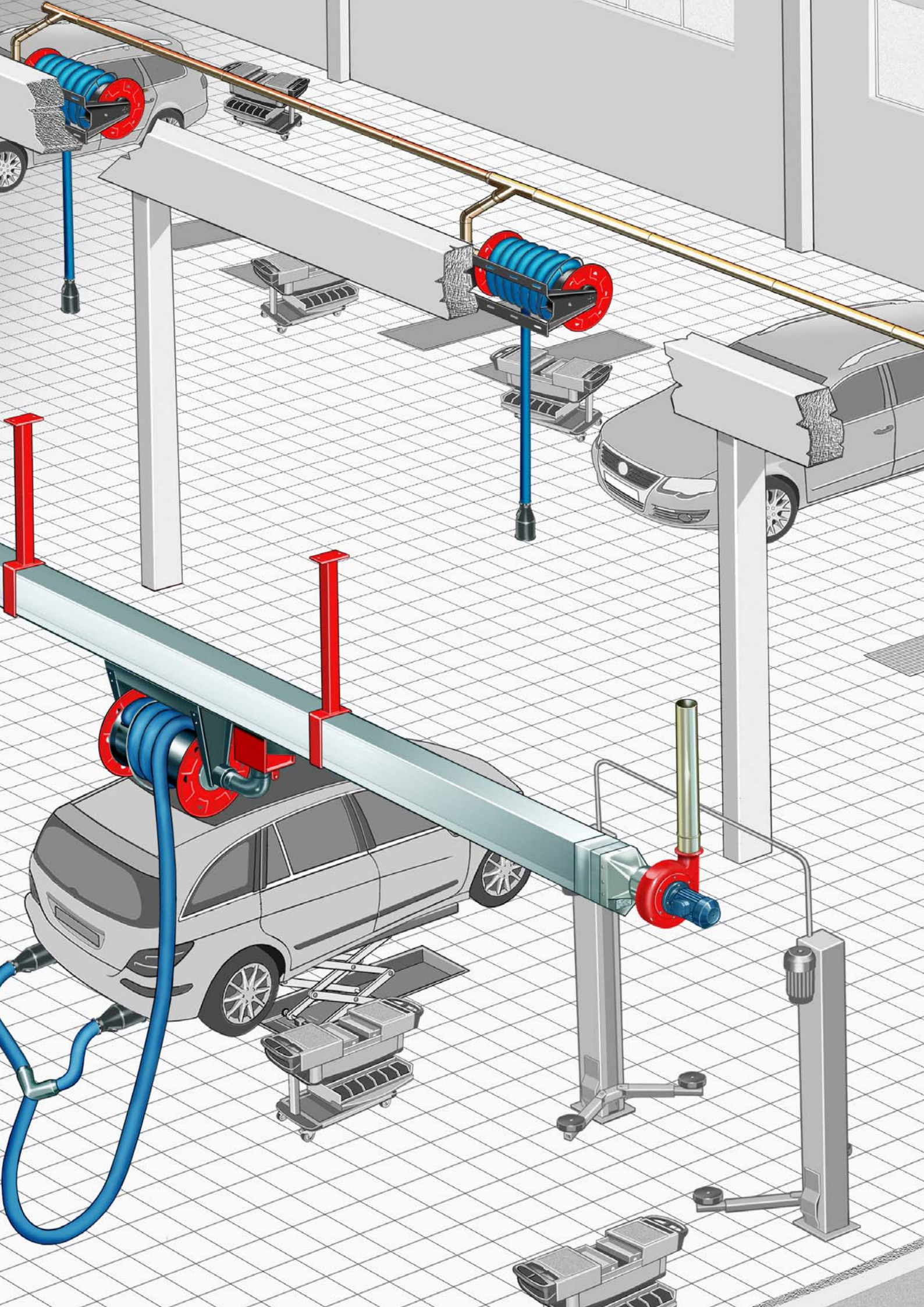


INDUSTRY

Fixed and portable solutions for the extraction and purification of fumes and dust from welding processes, thermal cutting, surface treatments and in general from industrial processes.

AUTOMOTIVE

Fixed and portable solutions for exhaust gas extraction from cars, trucks, motorbikes, heavy goods vehicles and agricultural vehicles in workshops, overhaul centres, garages, body shops, depots and car parks in both civil and industrial contexts.



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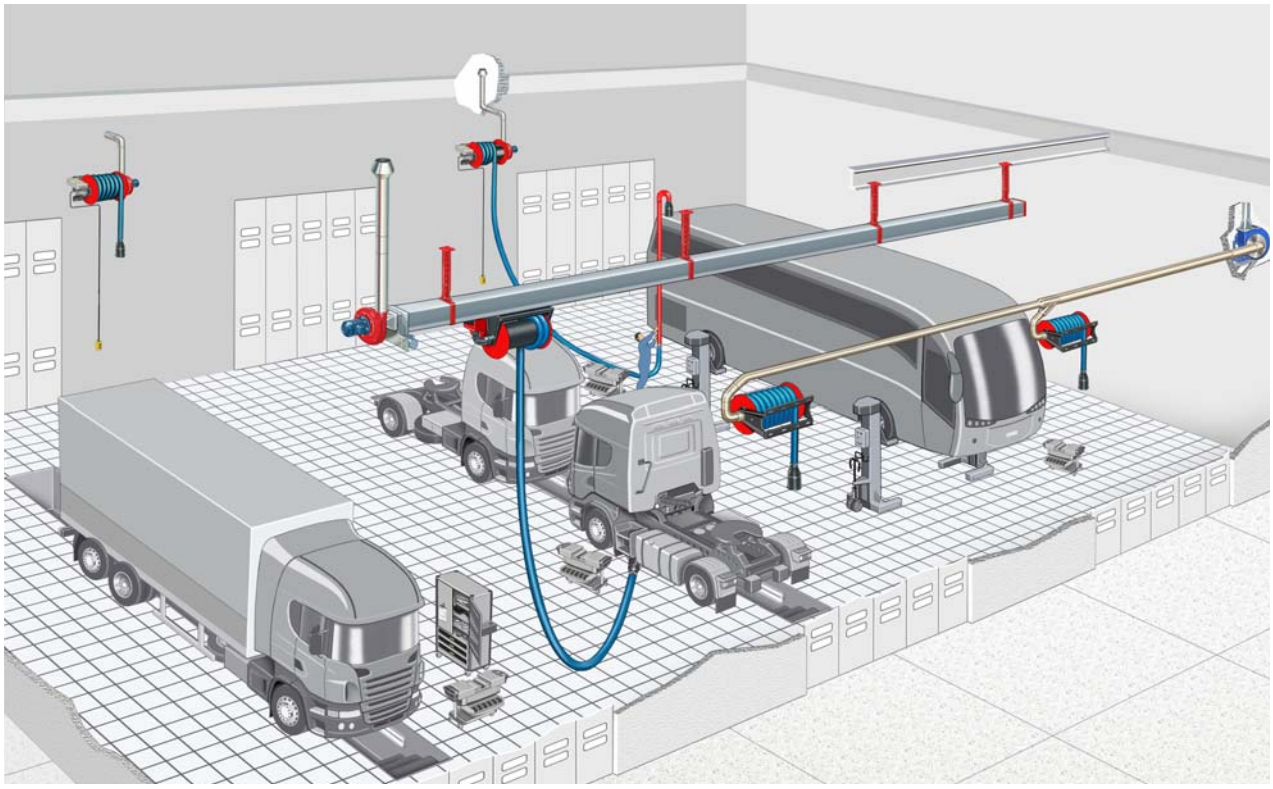
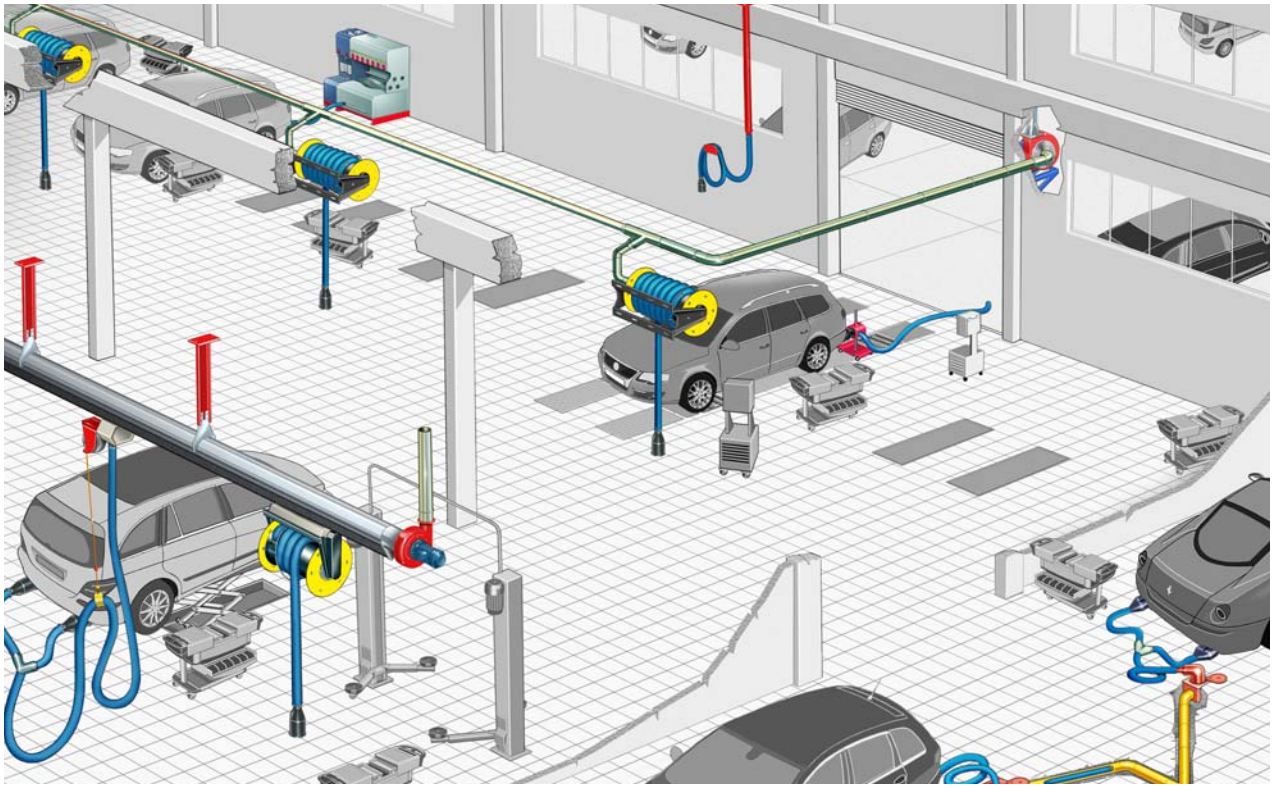
Layout of car and van workshop systems with example of installation of our products and applications





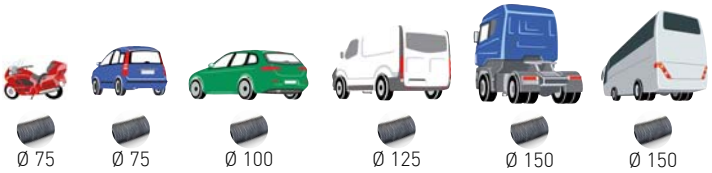
WINDERS

Exhaust Gas
Extraction Equipments

OM1000

MANUAL SPRING-LOADED REWINDING WINDER

Applications



Use Localised exhaust gas extraction from motorbikes, cars, trucks and heavy goods vehicles

Assembly Wall- or ceiling-mounted, in centralised systems or with a single fan mounted on board

DESCRIPTION
Winder to unwind an anti-crushing rubber pipe in different diameters depending on the type of vehicle, available in a manually or electrically driven version for fixed or centralised or sliding stations on a duct for close positioning to the vehicle.
The system requires localised suction from the exhaust pipe with suitable rubber or AISI 304 steel nozzles, all resistant to the temperatures exiting the motors.

CONSTRUCTION
Innovative and exclusive aluminium alloy 'Rotomax' rotation system designed to allow smooth running and manoeuvrability in time and even heavy-duty conditions.
Pre-calibrated and pre-tensioned harmonic steel springs according to the lengths and diameters of the hoses.
Standard reinforced steel structure for all versions.
Discs and drums available in 4 different sizes to cover all possible needs in diameter and length of the anti-crushing pipes.
Possible interchangeability of solutions and accessories to improve suction with our OM2100 extractors and motorised calibration damper systems.
TFA anti-crushing pipes in lengths and diameters available from 75 mm to 150 mm, for resistance up to 180° (200° peaks).

ADDED VALUES
Structure made entirely of steel of suitable thickness, powder-coated to accommodate large-diameter pipes.
Standard structure preset for wall or ceiling mounting.
Discs Ø 650 to ensure perfect containment of anti-crushing pipes.
Drum Ø 450 for correct correspondence to the minimum curving radii of the extraction pipes.
Innovative and unique 'Rotomax' rotation system with die-cast aluminium alloy parts and interposed anti-friction material to ensure durability, precision, pressure resistance and calculated clearance for alignment.
Containment casing with grease nipple.
Possibility of gas and smoke extraction even at high temperatures with special versions on request.

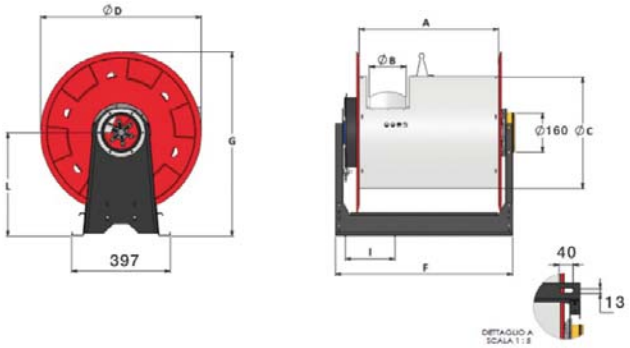
CERTIFICATIONS

CE UKCA

TECHNICAL FEATURES

Model	Pipe Ø	Pipe length	Recommended flow rate (max)	Retractor pressure drop (min/max)	Tot weight
	mm	m	m^3/h	Pa	kg
OM1000075	75	7.5-10-12.5-15	450	900-1400	50-53
OM1000100	100	7.5-10-12.5-15	700	700-1100	56-60
OM1000125	125	7.5-10-12.5-15	1100	550-900	66-70
OM1000150	150	7.5-10-12.5-15	1700	450-650	78-84

DIMENSIONS



Model	A	B	C	D	F	G	I	Holes	L
	mm	mm	mm	mm	mm	mm	mm	N.	mm
75/7.5	560	75	450	647	713	740	200	4	415
75/10	720	75	450	647	713	740	200	4	415
75/12.5	720	75	450	647	873	740	265	4	415
75/15	960	75	450	647	1113	740	258	5	415
100/7.5	720	100	450	647	873	754	265	4	431
100/10	720	100	450	647	873	754	265	4	431
100/12.5	960	100	450	647	1113	754	258	5	431
100/15	1200	100	450	647	1353	754	319	5	431
125/7.5	720	125	450	647	873	780	265	4	457
125/10	720	125	450	647	873	780	265	4	457
125/12.5	960	125	450	647	1113	780	258	5	457
125/15	1200	125	450	647	1353	780	319	5	457
150/7.5	960	150	450	647	1113	805	258	5	483
150/10	960	150	450	647	1113	805	258	5	483
150/12.5	1200	150	450	647	1353	805	319	5	483
150/15	1200	150	450	647	1353	805	319	5	483

PACKAGING

Packaging volume 1 / 1.5 m^3
(120x80x105 cm) / (160x80x115 h cm)

OM1000

MANUAL SPRING-LOADED REWINDING WINDER

OM1000 COMPLETE WITH TFA PIPING

OM1000 Ø 75

Code	Description	Flow rate m³/h	Pressure drop Pa	Total weight kg
0M10000751FT	Winder complete with TFA piping L. 7.5 m + pipe clamp	450	900	50
0M10000752FT	Winder complete with TFA piping L. 10 m + pipe clamp	450	1100	51
0M10000753FT	Winder complete with TFA piping L. 12.5 m + pipe clamp	450	1250	52
0M10000754FT	Winder complete with TFA piping L. 15 m + pipe clamp	450	1400	53

OM1000 Ø 100

Code	Description		Flow rate m³/h	Pressure drop Pa	Total weight kg
0M10001001FT	Winder complete with TFA piping	L. 7.5 m + pipe clamp	700	700	56
0M10001002FT	Winder complete with TFA piping	L. 10 m + pipe clamp	700	850	58
0M10001003FT	Winder complete with TFA piping	L. 12.5 m + pipe clamp	700	1000	59
0M10001004FT	Winder complete with TFA piping	L. 15 m + pipe clamp	700	1100	60

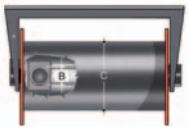
OM1000 Ø 125

Code	Description		Flow rate m³/h	Pressure drop Pa	Total weight kg
0M10001251FT	Winder complete with TFA piping	L. 7.5 m + pipe clamp	1100	550	66
0M10001252FT	Winder complete with TFA piping	L. 10 m + pipe clamp	1100	650	68
0M10001253FT	Winder complete with TFA piping	L. 12.5 m + pipe clamp	1100	750	69
0M10001254FT	Winder complete with TFA piping	L. 15 m + pipe clamp	1100	900	70

OM1000 Ø 150

Code	Description		Flow rate m³/h	Pressure drop Pa	Total weight kg
0M10001501FT	Winder complete with TFA piping	L. 7.5 m + pipe clamp	1700	450	78
0M10001502FT	Winder complete with TFA piping	L. 10 m + pipe clamp	1700	500	80
0M10001503FT	Winder complete with TFA piping	L. 12.5 m + pipe clamp	1700	550	82
0M10001504FT	Winder complete with TFA piping	L. 15 m + pipe clamp	1700	650	84

OM1000 PRESET FOR TFA PIPING



OM1000 Ø 75

Code	Description	Flow rate m³/h	Total weight kg
OM10000751P	Winder preset for TFA piping L. 7.5 m	450	42
OM10000752P	Winder preset for TFA piping L. 10 m	450	43
OM10000753P	Winder preset for TFA piping L. 12.5 m	450	44
OM10000754P	Winder preset for TFA piping L. 15 m	450	45

OM1000 Ø 100

Code	Description	Flow rate m³/h	Total weight kg
OM10001001P	Winder preset for TFA piping L. 7.5 m	700	46
OM10001002P	Winder preset for TFA piping L. 10 m	700	47
OM10001003P	Winder preset for TFA piping L. 12.5 m	700	48
OM10001004P	Winder preset for TFA piping L. 15 m	700	49

OM1000 Ø 125

Code	Description	Flow rate m³/h	Total weight kg
OM10001251P	Winder preset for TFA piping L. 7.5 m	1100	51
OM10001252P	Winder preset for TFA piping L. 10 m	1100	53
OM10001253P	Winder preset for TFA piping L. 12.5 m	1100	55
OM10001254P	Winder preset for TFA piping L. 15 m	1100	57

OM1000 Ø 150

Code	Description	Flow rate m³/h	Total weight kg
OM10001501P	Winder preset for TFA piping L. 7.5 m	1700	62
OM10001502P	Winder preset for TFA piping L. 10 m	1700	64
OM10001503P	Winder preset for TFA piping L. 12.5 m	1700	65
OM10001504P	Winder preset for TFA piping L. 15 m	1700	67

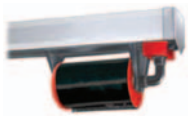
OM1000

MANUAL SPRING-LOADED REWINDING WINDER

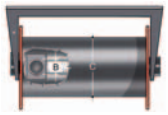
ACCESSORIES

Anti-crushing hose	Code		Description	
	TFA075075		TFA anti-crushing hose Ø 75 mm	L. 7.5 m
	TFA075010		TFA anti-crushing hose Ø 75 mm	L. 10 m
	TFA075125		TFA anti-crushing hose Ø 75 mm	L. 12.5 m
	TFA075015		TFA anti-crushing hose Ø 75 mm	L. 15 m
	TFA100075		TFA anti-crushing hose Ø 100 mm	L. 7.5 m
	TFA100010		TFA anti-crushing hose Ø 100 mm	L. 10 m
	TFA100125		TFA anti-crushing hose Ø 100 mm	L. 12.5 m
	TFA100015		TFA anti-crushing hose Ø 100 mm	L. 15 m
	TFA125075		TFA anti-crushing hose Ø 125 mm	L. 7.5 m
	TFA125010		TFA anti-crushing hose Ø 125 mm	L. 10 m
	TFA125125		TFA anti-crushing hose Ø 125 mm	L. 12.5 m
	TFA125015		TFA anti-crushing hose Ø 125 mm	L. 15 m
	TFA150075		TFA anti-crushing hose Ø 150 mm	L. 7.5 m
	TFA150010		TFA anti-crushing hose Ø 150 mm	L. 10 m
	TFA150125		TFA anti-crushing hose Ø 150 mm	L. 12.5 m
	TFA150015		TFA anti-crushing hose Ø 150 mm	L. 15 m

Connection kit OM1000 on centralised systems	Code	Description
	OM1000KIT1	Connection kit for centralised systems consisting of galvanised steel 90° curve with gasket, two-component collars and TFTM hose L. 1 m for expulsion of drawn fumes

OM1000 kit on OM9000 duct	Code	Description
	OM1000KIT2	Component kit for OM1000 adaptation on duct OM9000

OM1000 kit on OM8000 duct	Code	Description
	OM1000KIT3	Component kit for OM1000 adaptation on duct OM8000 with TFA 75/7.5 - 100/7.5 - Drum L. 560
	OM1000KIT4	Component kit for OM1000 adaptation on duct OM8000 with TFA 75/10 - 75/12.5 - 100/10 - 125/7.5 - 125/10 - Drum L. 720
	OM1000KIT5	Component kit for OM1000 adaptation on duct OM8000 with TFA 75/15 100/12.5 - 125/12.5 - 150/7.5 - 150/10 - Drum L. 960
	OM1000KIT6	Component kit for OM1000 adaptation on duct OM8000 with TFA 100/15 - 125/15 - 150/12.5 - 150/15 - Drum L. 1200

ACCESSORIES

Pipe clamps	Code	Description
	FS070090	Pipe clamp Ø 70-90 mm - stainless steel
	FS090110	Pipe clamp Ø 90-110 mm - stainless steel
	FS120140	Pipe clamp Ø 120-140 mm - stainless steel
	FS140160	Pipe clamp Ø 140-160 mm - stainless steel

Pipe clamp	Code	Description
	FT075	Pipe clamp with clamp for Ø 75 mm pipe
	FT100	Pipe clamp with clamp for Ø 100 mm pipe
	FT125	Pipe clamp with clamp for Ø 125 mm pipe
	FT150	Pipe clamp with clamp for Ø 150 mm pipe

Fan*	Code	Description
	EVC1	Centrifugal electric fan OM2110 - 1.1kW 230/1/50 preset for OM1000
	EVC2	Centrifugal electric fan OM2110 - 1.1kW 400/3/50 preset for OM1000
	EVC3	Centrifugal electric fan OM2120 - 1.5kW 230/1/50 preset for OM1000
	EVC4	Centrifugal electric fan OM2120 - 1.5kW 400/3/50 preset for OM1000

* Standard outlet Ø 158 mm for Ø 160 mm hose

Switches and switchboards	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm
	QA2	Single-phase switchboard 230V 50/60Hz 0.37-2.2kW 16A IP55 padlockable, 240x340hx170 mm 2.8 kg. Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/ alarms display, multilingual display
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included
	QA3	Three-phase 4-pole switchboard 400V 50/60Hz 0.55-7.5kW 15A IP55 padlockable, 240x340hx170 mm 5.5 kg Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/alarms display, multilingual display, phase sequence alarm for motor rotation
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included

OM1000

MANUAL SPRING-LOADED REWINDING WINDER

ACCESSORIES

Start/Stop Kit	Code	Description
	OM1000KIT7	Start/Stop kit for centralised systems with micro-switch and plate (accessory for remote fan start-up)
	OM1000KIT8	Start/Stop kit complete with micro-switch with drive plates and motorised damper Ø 160 mm 230V/1F/50Hz

OM1000 Bracket kit	Code	Description
	OM1000KIT9	Unified kit L. 1500 for ceiling mounting winder OM1000
	OM1000KIT10	Unified kit L. 500x500 for column mounting winder OM1000
	OM1000KIT11	Unified kit L. 1000 for wall mounting winder OM1000

Damper on nozzle	Code	Description
	SMBR075	Manual damper with anti-intrusion mesh for Ø 75 mm
	SMBR100	Manual damper with anti-intrusion mesh for Ø 100 mm
	SMBR125	Manual damper with anti-intrusion mesh for Ø 125 mm
	SMBR150	Manual damper with anti-intrusion mesh for Ø 150 mm

NOZZLES AND POSITIONERS

For nozzle selection, please refer to the section on Page 115

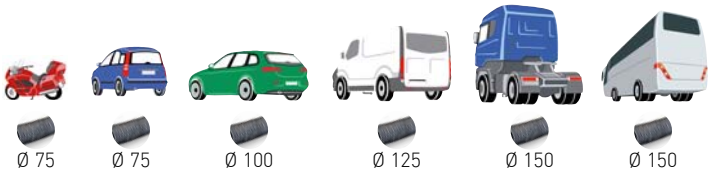
								
OMB01	OMB02	OMB03	OMB04	OMB05	OMB06	OMB07	OMB08	OMB09

									
OMB010	OMB011	OMB012	OMB013	OMB014	OMB015	OMB016	OMB017	OMB018	OMB019

OM2000

MANUAL REWINDING WINDER WITH INCORPORATED FAN

Applications



Use Localised exhaust gas extraction from motorbikes, cars, trucks and heavy goods vehicles

Assembly Wall or ceiling mounting, with single fan mounted on board

DESCRIPTION

Winder to unwind an anti-crushing rubber pipe in different diameters depending on the type of vehicle, only available in a manual drive version for fixed stations for close positioning to the vehicle.
On-board mounted fan made of powder-coated steel sheet metal, model OM2100, with different powers depending on the type of use.
The system requires localised suction from the exhaust pipe with suitable rubber or AISI 304 steel nozzles, all resistant to the temperatures exiting the motors.

CONSTRUCTION

Innovative and exclusive aluminium alloy 'Rotomax' rotation system designed to allow smooth running and manoeuvrability in time and even heavy-duty conditions.
Pre-tensioned and pre-calibrated harmonic steel springs according to the lengths and diameters of the hoses.
Standard reinforced steel structure for all versions.
Discs and drums available in 4 different sizes to cover all possible needs in diameter and length of the anti-crushing pipes.
Possible interchangeability of solutions and accessories to improve suction with our OM2100 extractors and motorised calibration damper systems.
TFA anti-crushing pipes in lengths and diameters available from 75 mm to 150 mm, for resistance up to 180° (200° peaks).

ADDED VALUES

On-board painted steel fan with low energy consumption and low noise impact.
Lightweight structure made of plastic, aluminium and powder-coated steel.
Innovative and unique 'Rotomax' rotation system with die-cast aluminium alloy parts and interposed anti-friction material to ensure durability, precision, pressure resistance and calculated clearance for alignment.
Containment casing with grease nipple.
Suction of gases, fumes and dust (specific adaptations) is also possible at high temperatures with special versions on request.

CERTIFICATIONS

CE UKCA

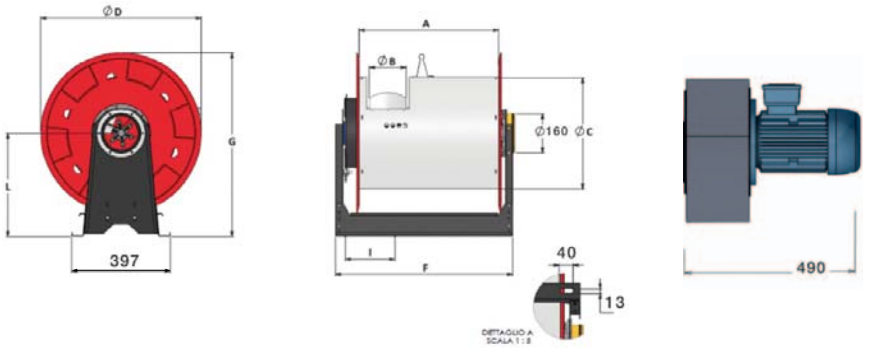
OM2000

MANUAL REWINDING WINDER
WITH INCORPORATED FAN

TECHNICAL FEATURES

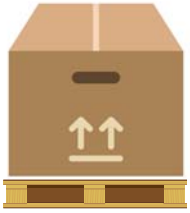
Model	Pipe Ø	Pipe length	Fan	Power	Supply	Total flow rate	Noise	Tot weight
	mm	m		kW	V/f/Hz	m^3/h	dBA	kg
OM2000075	75	7.5-10-12.5-15	OM2110	1.1	230/1/50	400	74	67-70
OM2000100	100	7.5-10-12.5-15	OM2110	1.1	230/1/50	650	74	68-77
OM2000125	125	7.5-10-12.5-15	OM2120	1.5	230/1/50	1000	78	84-96
OM2000150	150	7.5-10-12.5-15	OM2120	1.5	230/1/50	1200	78	95-111

DIMENSIONS



Model	A	B	C	D	F	G	I	Holes	L
	mm	mm	mm	mm	mm	mm	mm	N.	mm
75/7.5	560	75	450	647	713	740	200	4	415
75/10	720	75	450	647	713	740	200	4	415
75/12.5	720	75	450	647	873	740	265	4	415
75/15	960	75	450	647	1113	740	258	5	415
100/7.5	720	100	450	647	873	754	265	4	431
100/10	720	100	450	647	873	754	265	4	431
100/12.5	960	100	450	647	1113	754	258	5	431
100/15	1200	100	450	647	1353	754	319	5	431
125/7.5	720	125	450	647	873	780	265	4	457
125/10	720	125	450	647	873	780	265	4	457
125/12.5	960	125	450	647	1113	780	258	5	457
125/15	1200	125	450	647	1353	780	319	5	457
150/7.5	960	150	450	647	1113	805	258	5	483
150/10	960	150	450	647	1113	805	258	5	483
150/12.5	1200	150	450	647	1353	805	319	5	483
150/15	1200	150	450	647	1353	805	319	5	483

PACKAGING



Packaging volume 1 / 1.5 m^3
(120x80x105 cm) / (190x80x115 h cm)

OM2000 COMPLETE WITH TFA PIPING AND FAN

OM2000 Ø 75

Code	Description	Flow rate m^3/h	Noise dBA	Total weight kg
OM20000751FT	Winder 75/75 with OM2110 230V 1.1kW TFA piping L. 7.5 m + pipe clamp	400	74	67
OM20000752FT	Winder 75/10 with OM2110 230V 1.1kW TFA piping L. 10 m + pipe clamp	400	74	68
OM20000753FT	Winder 75/12.5 with OM2110 230V 1.1kW TFA piping L. 12.5 m + pipe clamp	400	74	69
OM20000754FT	Winder 75/15 with OM2110 230V 1.1kW TFA piping L. 15 m + pipe clamp	400	74	70

OM2000 Ø 100

Code	Description	Flow rate m^3/h	Noise dBA	Total weight kg
OM20001001FT	Winder 100/7.5 with OM2110 230V 1.1kW TFA piping L. 7.5 m + pipe clamp	650	74	68
OM20001002FT	Winder 100/10 with OM2110 230V 1.1kW TFA piping L. 10 m + pipe clamp	650	74	71
OM20001003FT	Winder 100/12.5 with OM2110 230V 1.1kW TFA piping L. 12.5 m + pipe clamp	650	74	75
OM20001004FT	Winder 100/15 with OM2110 230V 1.1kW TFA piping L. 15 m + pipe clamp	650	74	77

OM2000 Ø 125

Code	Description	Flow rate m^3/h	Noise dBA	Total weight kg
OM20001251FT	Winder 125/7.5 with OM2120 30V 1.5kW TFA piping L. 7.5 m + pipe clamp	1000	78	84
OM20001252FT	Winder 125/10 with OM2120 230V 1.5kW TFA piping L. 10 m + pipe clamp	1000	78	88
OM20001253FT	Winder 125/12.5 with OM2120 230V 1.5kW TFA piping L. 12.5 m + pipe clamp	1000	78	92
OM20001254FT	Winder 125/15 with OM2120 230V 1.5kW TFA piping L. 15 m + pipe clamp	1000	78	96

OM2000 Ø 150

Code	Description	Flow rate m^3/h	Noise dBA	Total weight kg
OM20001501FT	Winder 150/7.5 with OM2120 230V 1.5kW TFA piping L. 7.5 m + pipe clamp	1200	78	95
OM20001502FT	Winder 150/10 with OM2120 230V 1.5kW TFA piping L. 10 m + pipe clamp	1200	78	100
OM20001503FT	Winder 150/12.5 with OM2120 230V 1.5kW TFA piping L. 12.5 m + pipe clamp	1200	78	106
OM20001504FT	Winder 150/15 with OM2120 230V 1.5kW TFA piping L. 15 m + pipe clamp	1200	78	111

OM2000

MANUAL REWINDING WINDER
WITH INCORPORATED FAN

ACCESSORIES

Anti-crushing hose	Code		Description	
	TFA075075		TFA anti-crushing hose Ø 75 mm	L. 7.5 m
	TFA075010		TFA anti-crushing hose Ø 75 mm	L. 10 m
	TFA075125		TFA anti-crushing hose Ø 75 mm	L. 12.5 m
	TFA075015		TFA anti-crushing hose Ø 75 mm	L. 15 m
	TFA100075		TFA anti-crushing hose Ø 100 mm	L. 7.5 m
	TFA100010		TFA anti-crushing hose Ø 100 mm	L. 10 m
	TFA100125		TFA anti-crushing hose Ø 100 mm	L. 12.5 m
	TFA100015		TFA anti-crushing hose Ø 100 mm	L. 15 m
	TFA125075		TFA anti-crushing hose Ø 125 mm	L. 7.5 m
	TFA125010		TFA anti-crushing hose Ø 125 mm	L. 10 m
	TFA125125		TFA anti-crushing hose Ø 125 mm	L. 12.5 m
	TFA125015		TFA anti-crushing hose Ø 125 mm	L. 15 m
	TFA150075		TFA anti-crushing hose Ø 150 mm	L. 7.5 m
	TFA150010		TFA anti-crushing hose Ø 150 mm	L. 10 m
	TFA150125		TFA anti-crushing hose Ø 150 mm	L. 12.5 m
	TFA150015		TFA anti-crushing hose Ø 150 mm	L. 15 m

Pipe clamps	Code	Description
	FS070090	Pipe clamp Ø 70-90 mm - stainless steel
	FS090110	Pipe clamp Ø 90-110 mm - stainless steel
	FS120140	Pipe clamp Ø 120-140 mm - stainless steel
	FS140160	Pipe clamp Ø 140-160 mm - stainless steel

Pipe clamp	Code	Description
	FT075	Pipe clamp with clamp for Ø 75 mm pipe
	FT100	Pipe clamp with clamp for Ø 100 mm pipe
	FT125	Pipe clamp with clamp for Ø 125 mm pipe
	FT150	Pipe clamp with clamp for Ø 150 mm pipe

Fan*	Code	Description
	EVC1	Centrifugal electric fan OM2110 - 1.1kW 230/1/50 preset for FE2000
	EVC2	Centrifugal electric fan OM2110 - 1.1kW 400/3/50 preset for FE2000
	EVC3	Centrifugal electric fan OM2120 - 1.5kW 230/1/50 preset for FE2000
	EVC4	Centrifugal electric fan OM2120 - 1.5kW 400/3/50 preset for FE2000

* Standard outlet Ø 158 mm for Ø 160 mm hose

ACCESSORIES

Switches and switchboards	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm
	QA2	Single-phase switchboard 230V 50/60Hz 0.37-2.2kW 16A IP55 padlockable, 240x340hx170 mm 2.8 kg. Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/ alarms display, multilingual display
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included
	QA3	Three-phase 4-pole switchboard 400V 50/60Hz 0.55-7.5kW 15A IP55 padlockable, 240x340hx170 mm 5.5 kg Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/alarms display, multilingual display, phase sequence alarm for motor rotation
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included

Start/Stop Kit	Code	Description
	OM2000KIT8	Start/Stop kit with micro-switch and starter electrical panel and automatic fan switch-off 230V/1f/50-60Hz

OM2000 Bracket kit	Code	Description
	OM1000KIT9	Unified kit L. 1500 for ceiling mounting winder OM2000
	OM1000KIT10	Unified kit L. 500x500 for column mounting winder OM2000
	OM1000KIT11	Unified kit L. 1000 for wall mounting winder OM2000

OM2000

MANUAL REWINDING WINDER
WITH INCORPORATED FAN

NOZZLES AND POSITIONERS

For nozzle selection, please refer to the section on Page 115

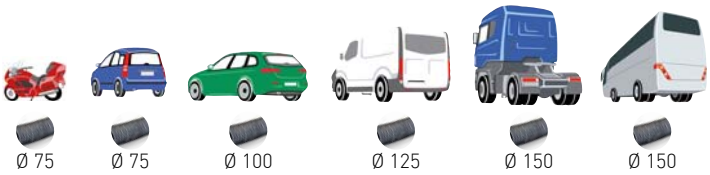
0MB01	0MB02	0MB03	0MB04	0MB05	0MB06	0MB07	0MB08	0MB09

0MB010	0MB011	0MB012	0MB013	0MB014	0MB015	0MB016	0MB017	0MB018	0MB019

OM3000

MOTORISED REWINDING WINDER

Applications



Use

Localised exhaust gas extraction from motorbikes, cars, trucks and heavy goods vehicles

Assembly

Wall- or ceiling-mounted, in centralised systems or with a single fan mounted on board

DESCRIPTION

Winder to unwind an anti-crushing rubber pipe in different diameters depending on the type of vehicle, only available in a motorised drive version for fixed or centralised or sliding stations on a duct for close positioning to the vehicle.
Suitable for centralised systems or coupled to a 'OM2100' intake fan.
The system requires localised suction from the exhaust pipe with suitable rubber or AISI 304 steel nozzles, all resistant to the temperatures exiting the motors.

CONSTRUCTION

Innovative and exclusive aluminium alloy 'Rotomax' rotation system designed to allow smooth running and manoeuvrability in time and even heavy-duty conditions.
Pre-calibrated and pre-tensioned harmonic steel springs according to the lengths and diameters of the hoses.
Standard reinforced steel structure for all versions.
Discs and drums available in 4 different sizes to cover all possible needs in diameter and length of the anti-crushing pipes.
Possible interchangeability of solutions and accessories to improve suction with our OM2100 extractors and motorised calibration damper systems.
TFA anti-crushing pipes in lengths and diameters available from 75 mm to 150 mm.

ADDED VALUES

On-board painted steel fan with low energy consumption and low noise impact.
Lightweight structure made of plastic, aluminium and powder-coated steel.
Innovative and unique 'Rotomax' rotation system with die-cast aluminium alloy parts and interposed anti-friction material to ensure durability, precision, pressure resistance and calculated clearance for alignment.
Containment casing with grease nipple.
Suction of gases, fumes and dust (specific adaptations) is also possible at high temperatures with special versions on request.

CERTIFICATIONS

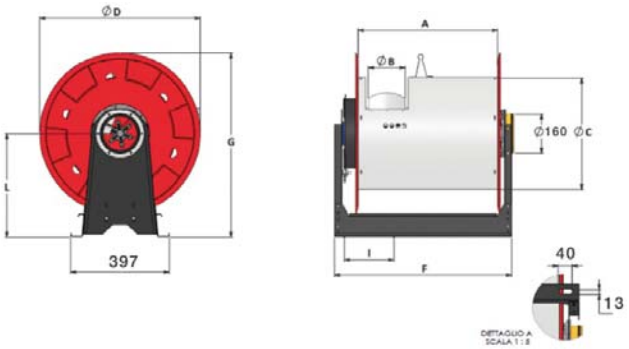
OM3000

MOTORISED REWINDING WINDER

TECHNICAL FEATURES

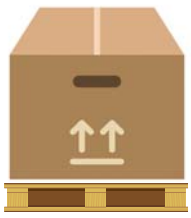
Model	Pipe Ø	Pipe length	Recommended flow rate (min/max)	Winders pressure drop (min/max)	Tot weight
	mm	m	m^3/h	Pa	kg
OM3000075	75	7.5-10-12.5-15	450	900-1400	50-53
OM3000100	100	7.5-10-12.5-15	700	700-1100	56-60
OM3000125	125	7.5-10-12.5-15	1100	550-900	66-70
OM3000150	150	7.5-10-12.5-15	1700	500-650	80-84

DIMENSIONS



Model	A	B	C	D	F	G	I	Holes	L
	mm	mm	mm	mm	mm	mm	mm	N.	mm
75/7.5	560	75	450	647	713	740	200	4	415
75/10	720	75	450	647	713	740	200	4	415
75/12.5	720	75	450	647	873	740	265	4	415
75/15	960	75	450	647	1113	740	258	5	415
100/7.5	720	100	450	647	873	754	265	4	431
100/10	720	100	450	647	873	754	265	4	431
100/12.5	960	100	450	647	1113	754	258	5	431
100/15	1200	100	450	647	1353	754	319	5	431
125/7.5	720	125	450	647	873	780	265	4	457
125/10	720	125	450	647	873	780	265	4	457
125/12.5	960	125	450	647	1113	780	258	5	457
125/15	1200	125	450	647	1353	780	319	5	457
150/10	960	150	450	647	1113	805	258	5	483
150/12.5	1200	150	450	647	1353	805	319	5	483
150/15	1200	150	450	647	1353	805	319	5	483

PACKAGING



Packaging volume 1 / 1.5 m^3
(120x80x105 cm) / (160x80x115 h cm)

OM3000 MOTORISED WINDER OM1000 2.0 COMPLETE WITH CONTROL UNIT AND TFA HOSE

OM3000 Ø 75

Code	Description	Flow rate m^3/h	Pressure drop Pa	Total weight kg
OM30000751T	Motorised winder OM1000 2.0 complete with TFA pipe L. 7.5 m	450	900	50
OM30000752T	Motorised winder OM1000 2.0 complete with TFA pipe L. 10 m	450	1100	51
OM30000753T	Motorised winder OM1000 2.0 complete with TFA pipe L. 12.5 m	450	1250	52
OM30000754T	Motorised winder OM1000 2.0 complete with TFA pipe L. 15 m	450	1400	53

OM3000 Ø 100

Code	Description	Flow rate m^3/h	Pressure drop Pa	Total weight kg
OM30001001T	Motorised winder OM1000 2.0 complete with TFA pipe L. 7.5 m	700	700	56
OM30001002T	Motorised winder OM1000 2.0 complete with TFA pipe L. 10 m	700	850	58
OM30001003T	Motorised winder OM1000 2.0 complete with TFA pipe L. 12.5 m	700	1000	59
OM30001004T	Motorised winder OM1000 2.0 complete with TFA pipe L. 15 m	700	1100	60

OM3000 Ø 125

Code	Description	Flow rate m^3/h	Pressure drop Pa	Total weight kg
OM30001251T	Motorised winder OM1000 2.0 complete with TFA pipe L. 7.5 m	1100	550	66
OM30001252T	Motorised winder OM1000 2.0 omplete with TFA pipe L. 10 m	1100	650	68
OM30001253T	Motorised winder OM1000 2.0 complete with TFA pipe L. 12.5 m	1100	750	69
OM30001254T	Motorised winder OM1000 2.0 complete with TFA pipe L. 15 m	1100	900	70

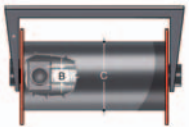
OM3000 Ø 150

Code	Description	Flow rate m^3/h	Pressure drop Pa	Total weight kg
OM30001501T	Motorised winder OM1000 2.0 complete with TFA pipe L. 7.5 m	1700	450	78
OM30001502T	Motorised winder OM1000 2.0 complete with TFA pipe L. 10 m	1700	500	80
OM30001503T	Motorised winder OM1000 2.0 complete with TFA pipe L. 12.5 m	1700	550	82
OM30001504T	Motorised winder OM1000 2.0 complete with TFA pipe L. 15 m	1700	650	84

OM3000

MOTORISED REWINDING WINDER

OM3000 PRESET FOR TFA PIPING



OM3000 Ø 75

Code	Description	Flow rate m³/h	Total weight kg
0M30000751P	Motorised winder OM3000 2.0 preset for pipe L. 7.5 m	450	50
0M30000752P	Motorised winder OM3000 2.0 preset for pipe L. 10 m	450	50
0M30000753P	Motorised winder OM3000 2.0 preset for pipe L. 12.5 m	450	53
0M30000754P	Motorised winder OM3000 2.0 preset for pipe L. 15 m	450	53

OM3000 Ø 100

Code	Description	Flow rate m³/h	Total weight kg
0M30001001P	Motorised winder OM3000 2.0 preset for pipe L. 7.5 m	700	56
0M30001002P	Motorised winder OM3000 2.0 preset for pipe L. 10 m	700	58
0M30001003P	Motorised winder OM3000 2.0 preset for pipe L. 12.5 m	700	58
0M30001004P	Motorised winder OM3000 2.0 preset for pipe L. 15 m	700	60

OM3000 Ø 125

Code	Description	Flow rate m³/h	Total weight kg
0M30001251P	Motorised winder OM3000 2.0 preset for pipe L. 7.5 m	1100	66
0M30001252P	Motorised winder OM3000 2.0 preset for pipe L. 10 m	1100	68
0M30001253P	Motorised winder OM3000 2.0 preset for pipe L. 12.5 m	1100	69
0M30001254P	Motorised winder OM3000 2.0 preset for pipe L. 15 m	1100	70

OM3000 Ø 150

Code	Description	Flow rate m³/h	Total weight kg
0M30001501P	Motorised winder OM3000 2.0 preset for pipe L. 7.5 m	1700	78
0M30001502P	Motorised winder OM3000 2.0 preset for pipe L. 10 m	1700	80
0M30001503P	Motorised winder OM3000 2.0 preset for pipe L. 12.5 m	1700	82
0M30001504P	Motorised winder OM3000 2.0 preset for pipe L. 15 m	1700	84

ACCESSORIES

Up-down button	Code	Description
	OM3000KIT1	Wall-mounted push-button panel for OM3000 2.0 up-down control with 3 m of cable

Remote control	Code	Description
	OM3000KIT2	Remote control with receiver for OM3000 2.0 up-down control

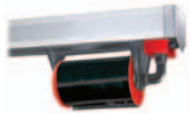
Anti-crushing hose	Code		Description	
	TFA075075		TFA anti-crushing hose Ø 75 mm	L. 7.5 m
	TFA075010		TFA anti-crushing hose Ø 75 mm	L. 10 m
	TFA075125		TFA anti-crushing hose Ø 75 mm	L. 12.5 m
	TFA075015		TFA anti-crushing hose Ø 75 mm	L. 15 m
	TFA100075		TFA anti-crushing hose Ø 100 mm	L. 7.5 m
	TFA100010		TFA anti-crushing hose Ø 100 mm	L. 10 m
	TFA100125		TFA anti-crushing hose Ø 100 mm	L. 12.5 m
	TFA100015		TFA anti-crushing hose Ø 100 mm	L. 15 m
	TFA125075		TFA anti-crushing hose Ø 125 mm	L. 7.5 m
	TFA125010		TFA anti-crushing hose Ø 125 mm	L. 10 m
	TFA125125		TFA anti-crushing hose Ø 125 mm	L. 12.5 m
	TFA125015		TFA anti-crushing hose Ø 125 mm	L. 15 m
	TFA150075		TFA anti-crushing hose Ø 150 mm	L. 7.5 m
	TFA150010		TFA anti-crushing hose Ø 150 mm	L. 10 m
	TFA150125		TFA anti-crushing hose Ø 150 mm	L. 12.5 m
	TFA150015		TFA anti-crushing hose Ø 150 mm	L. 15 m

Connection kit OM3000 on centralised systems	Code	Description
	OM1000KIT1	Connection kit for centralised systems consisting of 90° curve galvanised steel with gasket, two-component collars and TFTM hose L. 1 m for expulsion of drawn fumes

OM3000

MOTORISED REWINDING WINDER

ACCESSORIES

OM3000 kit on OM9000 duct	Code	Description
	OM1000KIT2	Component kit for OM3000 adaptation on duct OM9000

OM3000 kit on OM8000 duct	Code	Description
	OM1000KIT3	Implementation kit for OM3000 adaptation to duct OM8000 with TFA 75/7.5 - 100/7.5 - Drum L. 560
	OM1000KIT4	Implementation kit for OM3000 adaptation to duct OM8000 with TFA 75/10 - 75/12.5 - 100/10 - 125/7.5 - 125/10 - Drum L. 720
	OM1000KIT5	Implementation kit for OM3000 adaptation to duct OM8000 with TFA 75/15 100/12.5 - 125/12.5 - 150/7.5 - 150/10 - Drum L. 960
	OM1000KIT6	Implementation kit for OM3000 adaptation to duct OM8000 with TFA 100/15 - 125/15 - 150/12.5 - 150/15 - Drum L. 1200

Electrification kit*	Code	Description
	OM3000KIT3	Power Supply Kit OM3000 - Duct OM9000/OM8000 L. 10 m - 1 winder 230 V/1F/50
	OM3000KIT4	Power Supply Kit OM3000 - Duct OM9000/OM8000 L. 12 m - 1 winder 230V/1F/50
	OM3000KIT5	Power Supply Kit OM3000 - Duct OM9000/OM8000 L. 16 m - 1 winder 230V/1F/50
	OM3000KIT6	Power Supply Kit OM3000 - Duct OM9000/OM8000 L. 10 m - 2 winders 230V/1F/50
	OM3000KIT7	Power Supply Kit OM3000 - Duct OM9000/OM8000 L. 12 m - 2 winders 230V/1F/50
	OM3000KIT8	Power Supply Kit OM3000 - Duct OM9000/OM8000 L. 16 m - 2 winders 230V/1F/50
	OM3000KIT9	Power Supply Kit OM3000 - Duct OM9000/OM8000 L. 16 m - 3 winders 230V/1F/50
	OM3000KIT10	Power Supply Kit OM3000 - Duct OM9000/OM8000 L. 20 m - 3 winders 230V/1F/50
	OM3000KIT11	Power Supply Kit OM3000 - Duct OM9000/OM8000 L. 24 m - 3 winders 230V/1F/50

* In combination with FE3000KIT2 remote control kit. Other versions on request

Pipe clamps	Code	Description
	FS070090	Pipe clamp Ø 70-90 mm - stainless steel
	FS090110	Pipe clamp Ø 90-110 mm - stainless steel
	FS120140	Pipe clamp Ø 120-140 mm - stainless steel
	FS140160	Pipe clamp Ø 140-160 mm - stainless steel

ACCESSORIES

Fan*	Code	Description
	EVC1	Centrifugal electric fan OM2110 - 1.1kW 230/1/50 preset for OM3000
	EVC2	Centrifugal electric fan OM2110 - 1.1kW 400/3/50 preset for OM3000
	EVC3	Centrifugal electric fan OM2120 - 1.5kW 230/1/50 preset for OM3000
	EVC4	Centrifugal electric fan OM2120 - 1.5kW 400/3/50 preset for OM3000

* Standard outlet Ø 158 mm for hose Ø 160 mm

Switches and switchboards	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm
	QA2	Single-phase switchboard 230V 50/60Hz 0.37-2.2kW 16A IP55 padlockable, 240x340hx170 mm 2.8 kg. Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/ alarms display, multilingual display
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included
	QA3	Three-phase 4-pole switchboard 400V 50/60Hz 0.55-7.5kW 15A IP55 padlockable, 240x340hx170 mm 5.5 kg Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/alarms display, multilingual display, phase sequence alarm for motor rotation
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included

Start/Stop Kit	Code	Description
	OM3000KIT11	Electrical panel for OM3000 - /OM3000 2.0 for fan / damper / remote start control
	OM3000KIT12	Start/stop kit complete with motorised damper Ø 160 mm 230V/1f/50

OM3000

MOTORISED REWINDING WINDER

ACCESSORIES

OM3000 Bracket kit	Code	Description
	OM1000KIT9	Unified kit L. 1500 for ceiling mounting winder OM3000
	OM1000KIT10	KUnified kit L. 500x500 for column mounting winder OM3000
	OM1000KIT11	Unified kit L. 1000 for wall mounting winder OM3000

Damper on nozzle	Code	Description
	SMBR075	Manual damper with anti-intrusion mesh for Ø 75 mm
	SMBR100	Manual damper with anti-intrusion mesh for Ø 100 mm
	SMBR125	Manual damper with anti-intrusion mesh for Ø 125 mm
	SMBR150	Manual damper with anti-intrusion mesh for Ø 150 mm

SPARE PARTS

Code	Description
OM3000RIC1	Remote control receiver for OM3000 2.0
OM3000RIC2	230 V motor for OM3000 2.0 - 650 W - Capacity 180 kg - Drum L. 720-960-1200 mm
OM3000RIC3	Remote control for OM3000 2.0

NOZZLES AND POSITIONERS

For nozzle selection, please refer to the section on Page 115

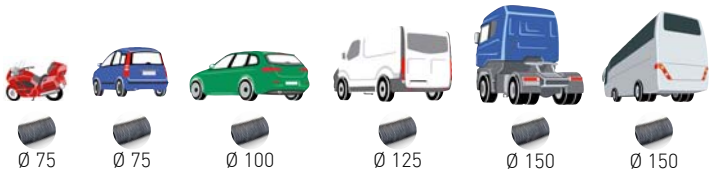
OMB01 OMB02 OMB03 OMB04 OMB05 OMB06 OMB07 OMB08 OMB09

OMB010 OMB011 OMB012 OMB013 OMB014 OMB015 OMB016 OMB017 OMB018 OMB019

OM4000

MOTORISED REWINDING WINDER WITH INCORPORATED FAN

Applications



Use Localised exhaust gas extraction from motorbikes, cars, trucks and heavy goods vehicles

Assembly Wall or ceiling mounting, with single fan mounted on board

DESCRIPTION
Winder to unwind an anti-crushing rubber pipe in different diameters depending on the type of vehicle, only available in a motorised drive version for fixed stations for close positioning to the vehicle.
On-board mounted fan made of powder-coated steel sheet metal, model OM2100, with different powers depending on the type of use.
The system requires localised suction from the exhaust pipe with suitable rubber or AISI 304 steel nozzles, all resistant to the temperatures exiting the motors.

CONSTRUCTION
Innovative and exclusive aluminium alloy 'Rotomax' rotation system designed to allow smooth running and manoeuvrability in time and even heavy-duty conditions.
Pre-tensioned and pre-calibrated harmonic steel springs according to the lengths and diameters of the hoses.
Standard reinforced steel structure for all versions.
Discs and drums available in 4 different sizes to cover all possible needs in diameter and length of the anti-crushing pipes.
Possible interchangeability of solutions and accessories to improve suction with our OM2100 extractors and motorised calibration damper systems.
TFA anti-crushing pipes in lengths and diameters available from 75 mm to 150 mm, for resistance up to 180° (200° peaks).

ADDED VALUES
On-board painted steel fan with low energy consumption and low noise impact.
Lightweight structure made of plastic, aluminium and powder-coated steel.
Innovative and unique 'Rotomax' rotation system with die-cast aluminium alloy parts and interposed anti-friction material to ensure durability, precision, pressure resistance and calculated clearance for alignment.
Containment casing with grease nipple.
Suction of gases, fumes and dust (specific adaptations) is also possible at high temperatures with special versions on request.

CERTIFICATIONS

CE UK CA

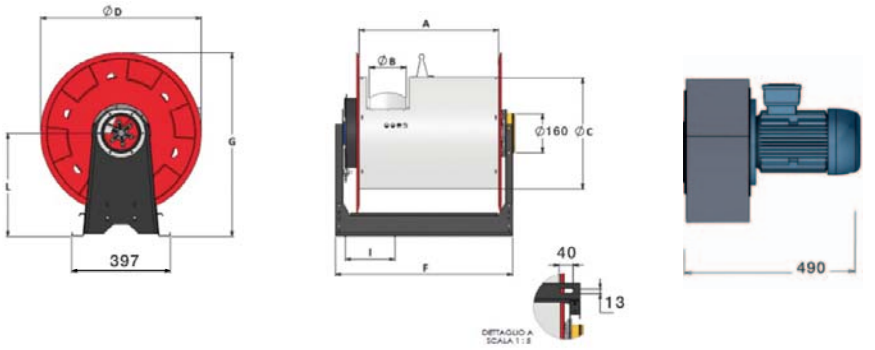
OM4000

MOTORISED REWINDING WINDER WITH INCORPORATED FAN

TECHNICAL FEATURES

Model	Pipe Ø	Pipe length	Fan	Power	Supply	Total flow rate	Noise	Tot weight
	mm	m		kW	V/f/hZ	m^3/h	dBA	kg
OM4000075	75	7.5-10-12.5-15	OM2110	1.1	230/1/50	400	74	67-70
OM4000100	100	7.5-10-12.5-15	OM2110	1.1	230/1/50	650	74	68-77
OM4000125	125	7.5-10-12.5-15	OM2120	1.5	230/1/50	1000	78	84-96
OM4000150	150	7.5-10-12.5-15	OM2120	1.5	230/1/50	1200	78	95-111

DIMENSIONS



Model	A	B	C	D	F	G	I	Holes	L
	mm	mm	mm	mm	mm	mm	mm	N.	mm
75/7.5	560	75	450	647	713	740	200	4	415
75/10	720	75	450	647	713	740	200	4	415
75/12.5	720	75	450	647	873	740	265	4	415
75/15	960	75	450	647	1113	740	258	5	415
100/7.5	720	100	450	647	873	754	265	4	431
100/10	720	100	450	647	873	754	265	4	431
100/12.5	960	100	450	647	1113	754	258	5	431
100/15	1200	100	450	647	1353	754	319	5	431
125/7.5	720	125	450	647	873	780	265	4	457
125/10	720	125	450	647	873	780	265	4	457
125/12.5	960	125	450	647	1113	780	258	5	457
125/15	1200	125	450	647	1353	780	319	5	457
150/7.5	960	150	450	647	1113	805	258	5	483
150/10	960	150	450	647	1113	805	258	5	483
150/12.5	1200	150	450	647	1353	805	319	5	483
150/15	1200	150	450	647	1353	805	319	5	483

PACKAGING

Packaging volume 1 / 1.5 m^3
(120x80x105 cm) / (190x80x115 h cm)

OM4000 COMPLETE WITH TFA PIPING AND FAN

OM4000 Ø 75

Code	Description	Flow rate m^3/h	Noise dBA	Total weight kg
OM40000751T	Motorised winder OM1000 2.0 with OM2110 230V 1.1kW with TFA L. 7.5 m	400	74	67
OM40000752T	AMotorised winder OM1000 2.0 with OM2110 230V 1.1kW with TFA L. 10 m	400	74	68
OM40000753T	Motorised winder OM1000 2.0 with OM2110 230V 1.1kW with TFA L. 12.5 m	400	74	69
OM40000754T	Motorised winder OM1000 2.0 with OM2110 230V 1.1kW with TFA L. 15 m	400	74	70

OM4000 Ø 100

Code	Description	Flow rate m^3/h	Noise dBA	Total weight kg
OM40001001T	Motorised winder OM1000 2.0 with OM2110 230V 1.1kW with TFA L. 7.5 m	650	74	68
OM40001002T	Motorised winder OM1000 2.0 with OM2110 230V 1.1kW with TFA L. 10 m	650	74	71
OM40001003T	Motorised winder OM1000 2.0 with OM2110 230V 1.1kW with TFA L. 12.5 m	650	74	75
OM40001004T	Motorised winder OM1000 2.0 with OM2110 230V 1.1kW with TFA L. 15 m	650	74	77

OM4000 Ø 125

Code	Description	Flow rate m^3/h	Noise dBA	Total weight kg
OM40001251T	Motorised winder OM1000 2.0 with OM2120 230V 1.5kW with TFA L. 7.5 m	1000	78	84
OM40001252T	Motorised winder OM1000 2.0 with OM2120 230V 1.5kW with TFA L. 10 m	1000	78	88
OM40001253T	Motorised winder OM1000 2.0 with OM2120 230V 1.5kW with TFA L. 12.5 m	1000	78	92
OM40001254T	Motorised winder OM1000 2.0 with OM2120 230V 1.5kW with TFA L. 15 m	1000	78	96

OM4000 Ø 150

Code	Description	Flow rate m^3/h	Noise dBA	Total weight kg
OM40001501T	Motorised winder OM1000 2.0 with OM2120 230V 1.5kW with TFA L. 7.5 m	1200	78	95
OM40001502T	Motorised winder OM1000 2.0 with OM2120 230V 1.5kW with TFA L. 10 m	1200	78	100
OM40001503T	Motorised winder OM1000 2.0 with OM2120 230V 1.5kW with TFA L. 12.5 m	1200	78	106
OM40001504T	Motorised winder OM1000 2.0 with OM2120 230V 1.5kW with TFA L. 15 m	1200	78	111

OM4000

MOTORISED REWINDING WINDER
WITH INCORPORATED FAN

ACCESSORIES

Up-down button	Code	Description
	OM3000KIT1	Wall-mounted push-button panel for OM4000 2.0 up-down control with 3 m cable

Remote control	Code	Description
	OM3000KIT2	Remote control with receiver for OM4000 2.0 up-down control

Anti-crushing hose	Code		Description	
	TFA075075		TFA anti-crushing hose Ø 75 mm	L. 7.5 m
	TFA075010		TFA anti-crushing hose Ø 75 mm	L. 10 m
	TFA075125		TFA anti-crushing hose Ø 75 mm	L. 12.5 m
	TFA075015		TFA anti-crushing hose Ø 75 mm	L. 15 m
	TFA100075		TFA anti-crushing hose Ø 100 mm	L. 7.5 m
	TFA100010		TFA anti-crushing hose Ø 100 mm	L. 10 m
	TFA100125		TFA anti-crushing hose Ø 100 mm	L. 12.5 m
	TFA100015		TFA anti-crushing hose Ø 100 mm	L. 15 m
	TFA125075		TFA anti-crushing hose Ø 125 mm	L. 7.5 m
	TFA125010		TFA anti-crushing hose Ø 125 mm	L. 10 m
	TFA125125		TFA anti-crushing hose Ø 125 mm	L. 12.5 m
	TFA125015		TFA anti-crushing hose Ø 125 mm	L. 15 m
	TFA150075		TFA anti-crushing hose Ø 150 mm	L. 7.5 m
	TFA150010		TFA anti-crushing hose Ø 150 mm	L. 10 m
	TFA150125		TFA anti-crushing hose Ø 150 mm	L. 12.5 m
	TFA150015		TFA anti-crushing hose Ø 150 mm	L. 15 m

ACCESSORIES

Pipe clamps	Code	Description
	FS070090	Pipe clamp Ø 70-90 mm - stainless steel
	FS090110	Pipe clamp Ø 90-110 mm - stainless steel
	FS120140	Pipe clamp Ø 120-140 mm - stainless steel
	FS140160	Pipe clamp Ø 140-160 mm - stainless steel

Switches and switchboards	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm
	QA2	Single-phase switchboard 230V 50/60Hz 0.37-2.2kW IP55 240x340hx170 padlockable, 2.8 kg. Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/alarms display, multilingual display
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included
	QA3	Three-phase 4-pole switchboard 400V 50/60Hz 0.55-7.5kW 15A IP55 padlockable, 240x340hx170 mm 5.5 kg Functions: thermal-magnetic protection, auto-setting based on connected motors, remote start/shutdown in centralised system, voltage/current/cosΦ/ alarms display, multilingual display, phase sequence alarm for motor rotation
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included

Start/Stop Kit	Code	Description
	OM3000KIT11	Electrical panel for OM4000 - /OM3000 2.0 for fan / remote start control

OM4000

MOTORISED REWINDING WINDER
WITH INCORPORATED FAN

ACCESSORIES

OM4000 Bracket kit	Code	Description
	OM1000KIT9	Unified kit L. 1500 for ceiling mounting winder OM4000
	OM1000KIT10	Unified kit L. 500x500 for column mounting winder OM4000
	OM1000KIT11	Unified kit L. 1000 for wall mounting winder OM4000

Fan	Code	Description
	EVC1	Centrifugal electric fan OM2110 - 1.1kW 230/1/50 preset for OM4000
	EVC2	Centrifugal electric fan OM2110 - 1.1kW 400/3/50 preset for OM4000
	EVC3	Centrifugal electric fan OM2120 - 1.5kW 230/1/50 preset for OM4000
	EVC4	Centrifugal electric fan OM2120 - 1.5kW 400/3/50 preset for OM4000

SPARE PARTS

Code	Description
OM3000RIC1	Remote control receiver for OM3000 2.0
OM3000RIC2	230V motor for OM3000 2.0 - 650W - Capacity 180 kg - Drum L. 720-960-1200 mm
OM3000RIC3	Remote control for OM4000 2.0

NOZZLES AND POSITIONERS

For nozzle selection, please refer to the section on Page 115


0MB01


0MB02


0MB03


0MB04


0MB05


0MB06


0MB07


0MB08


0MB09


0MB010


0MB011


0MB012


0MB013


0MB014


0MB015

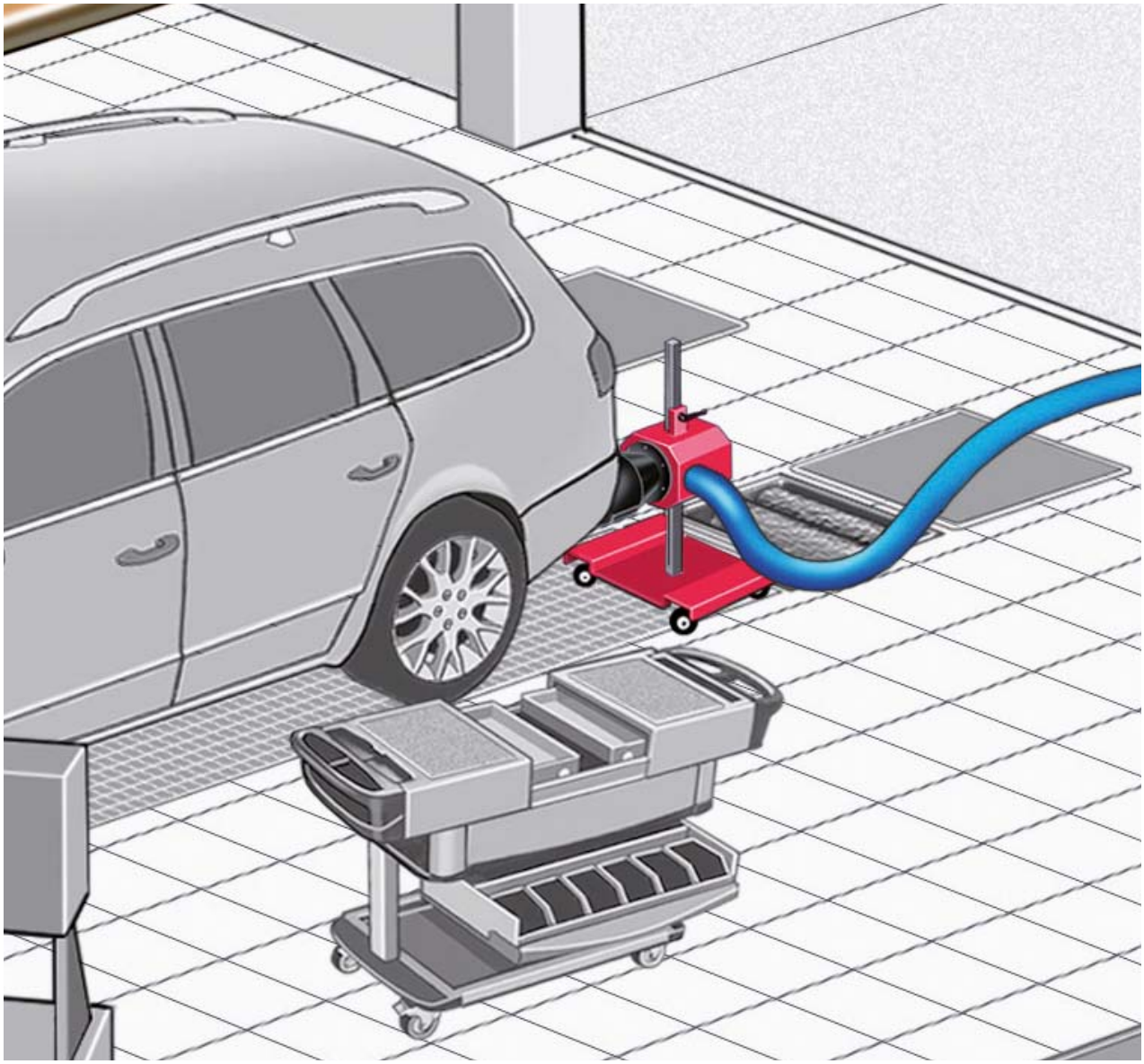

0MB016


0MB017


0MB018


0MB019

Layout of car and van workshop systems with example of installation of our products and applications



PORTABLE UNITS

Exhaust Gas
Extraction Equipments

OM5000
PORTABLE EXTRACTION SYSTEM
Page 36

OM6000
PORTABLE EXTRACTION SYSTEM
Page 40

OM7000
PORTABLE EXTRACTION SYSTEM FOR GASES OF SPECIAL VEHICLES
Page 43

OM5000

PORTABLE EXTRACTION SYSTEM

Applications


Ø 75


Ø 100


Ø 125


Ø 150

Use

Exhaust gas extraction in closed rooms without fixed extraction systems

DESCRIPTION
The 'FE5000' portable extractors are designed to solve the problem of exhaust gas extraction in enclosed spaces that are not equipped with fixed wall or ceiling extraction systems.
Once drawn, the gases are expelled to the outside through a hose provided.
The range includes various models and accessories designed for broad and easy use in motorbike, car, truck and special means workshops.

CONSTRUCTION
Wheeled structure made of powder-coated steel mounted on a support with wheels.
Single-inlet centrifugal fan directly coupled to single-phase (220/1/50) electric motor and electric cable (5 m).
Suction nozzle for exhaust gas extraction (on request connection to suction hose with rubber nozzle and single or double vent).

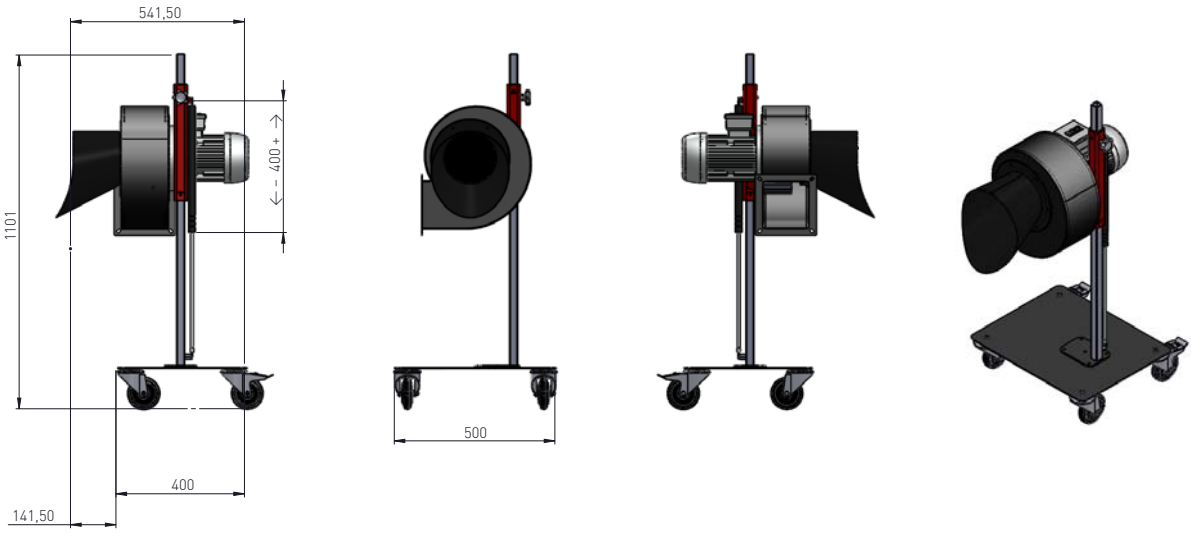
ADDED VALUES
Gas spring for assisted movement of the suction chamber and positioning on the exhaust. Interchangeability of accessories, allowing different applications on different vehicles.

CERTIFICATIONS

TECHNICAL FEATURES

Model	Flow rate m^3/h	Power kW	Supply V/f/Hz
OM5000	2000	1.1	230/1/50

DIMENSIONS



Model	A mm	B mm	C mm	D mm	E mm	G mm	H mm	Ø I mm
OM5000	500	566	1020	420	400	344	242	125

PACKAGING

Packaging volume 1 m^3
(120x80x105 cm)

EXTRACTOR OM5000 WITH TFM PIPING

Code	Description
OM50001	Extractor OM5000 - 1.1kW - 230/1/50Hz + TFM Ø 150 mm L. 10 m + suction nozzle
OM50002	Extractor OM5000 - 1.1kW - 230/1/60Hz + TFM Ø 150 mm L. 10 m + suction nozzle

OM5000

PORTABLE EXTRACTION SYSTEM

ACCESSORIES

Y-positioner	Code	Description
	OM5000PO	Pantograph positioner maximum opening 1800 mm, with nozzle Ø 160 and 2 pieces of TFA Ø 100 L. 1.25 m

Nozzles for OM5000	Code	Description
	OM5000B1	Car suction nozzle
	OM5000B2	Nozzle for hose Ø 75 mm
	OM5000B3	Nozzle for hose Ø 100 mm
	OM5000B4	Nozzle for hose Ø 125 mm
	OM5000B5	Nozzle for hose Ø 150 mm
	OM5000B6	Nozzle for hose Ø 160 mm
	OM5000B7	Nozzle for double hose Ø 75 mm
	OM5000B8	Y-nozzle for hose Ø 100 mm

ACCESSORIES

TFA anti-crushing hose	Code	Description	
	TFA075025	TFA anti-crushing hose Ø 75 mm	L. 2.5 m
	TFA100025	TFA anti-crushing hose Ø 100 mm	L. 2.5 m
	TFA125025	TFA anti-crushing hose Ø 125 mm	L. 2.5 m
	TFA150025	TFA anti-crushing hose Ø 150 mm	L. 2.5 m

Extension for OM5000	Code	Description
	OM5000PR1	Neoprene extension L. 10 m - 3x2.5 Schuko socket + Schuko plug
	OM5000PR2	Neoprene extension L. 20 m - 3x2.5 Schuko socket + Schuko plug
	OM5000PR3	Neoprene extension L. 10 m - 3x2.5 Schuko socket + industrial plug blue 16 A
	OM5000PR4	Neoprene extension L. 20 m - 3x2.5 Schuko socket + industrial plug blue 16 A

SPARE PARTS

Hose	Code	Description
	OM5000RIC1	Hose for OM5000 Ø 152 mm L. 10 m

Code	Description
OM5000RIC2	M10 wheel with brake
OM5000RIC3	Gas spring
OM5000RIC4	Suction unit spare kit including cables

OM6000

SPORTABLE EXTRACTION SYSTEM

Applications

Use

Exhaust gas extraction in closed rooms without fixed extraction systems

DESCRIPTION
The 'OM6000' portable extractors are designed to solve the problem of exhaust gas extraction in enclosed spaces that are not equipped with fixed wall or ceiling extraction systems.

Once drawn, the gases are expelled to the outside through a hose provided.
The OM6000 is a versatile and simple solution for a wide range of applications in motorbike, car, truck and special vehicle workshops.

CONSTRUCTION
Wheeled structure made of powder-coated steel mounted on a support with wheels.
Single-inlet centrifugal fan directly coupled to the electric motor.
Air inlet and outlet fittings for hose connection.
Complete with electrical panel on board the machine with magnetothermal protection of the electric motor and presence of phase sequence relay, for correct wiring. The suction (TFA) and expulsion (TFTM) hose is also supplied with the extractor.

ON REQUEST
Hoses with different dimensions are available on request.
The equipment can also be supplied with a 230 V single-phase power supply.

CERTIFICATIONS

CE UKCA

PACKAGING

Packaging volume 1,5 m^3
(120x80x156 cm)

TECHNICAL FEATURES

Performance data were measured with appropriate instruments in our workshops.
Noise values were measured in free field in indoor installations with the exhaust outlets connected to the piping

Model	Suction Ø mm	Expulsion Ø mm	Power kW	Supply Volt	Tot. flow rate m^3/h	Noise dBA	Tot. weight kg
OM60001	150	160	1.5	400	2000	86	87
OM60002	150	200	2.2	400	3850	87	98

DIMENSIONS

Model	A mm	B mm	ØC mm	ØD mm	F mm
OM60001	600	700	150	160	900
OM60002	600	700	150	200	900

FE6000 WHEELED EXTRACTOR

Code	Description
OM6000C1	Wheeled extractor complete with anti-crushing TFA hose Ø 150 mm - L. 10 m in suction and TFTM hose Ø 160 mm - L. 10 m in expulsion
OM6000C2	Wheeled extractor complete with anti-crushing TFA hose Ø 150 mm - L. 10 m in suction and TFTM hose Ø 200 mm - L. 10 m in expulsion

OM6000

PORTABLE EXTRACTION SYSTEM

ACCESSORIES

Hose TFTM (expulsion)	Code	Description
	TFTM160010	TFTM hose Ø 160 mm - L. 10 m
	TFTM1200010	TFTM hose Ø 200 mm - L. 10 m

Hose TFA (suction)	Code	Description
	TFA150010	TFA anti-crushing hose Ø 150 mm - L. 10 m

Extension for OM6000	Code	Description
	OM6000PR1	Power cable extension with 400V sockets 4x2.5 - L. 10 m including 16A red industrial plug
	OM6000PR2	Power cable extension with 400V sockets 4x4 - L. 20 m including 16A red industrial plug

SPARE PARTS

Code	Description
OM6000RIC1	Spare wheel kit for OM60001 and OM60002
OM6000RIC2	General electrical panel for OM60001
OM6000RIC3	General electrical panel for OM60002

OM7000

PORTABLE EXTRACTION SYSTEM FOR SPECIAL VEHICLE GASES

Applications

Ø 150

Ø 150

Use

Exhaust gas extraction in closed rooms without fixed extraction systems

DESCRIPTION

The 'OM7000' portable extractors are designed to solve the problem of exhaust gas extraction in enclosed spaces that are not equipped with fixed wall or ceiling extraction systems.

Once drawn, the gases are expelled to the outside through a hose provided.
The range includes various models and accessories designed for broad and easy use in motorbike, car, truck and special means workshops.

CONSTRUCTION

Wheeled structure made of powder-coated steel mounted on a support with wheels.
Exhaust gas wheeled extractor for trucks and special vehicles with 2 operating speeds 2800 RPM and 1400 RPM.
Complete with electrical panel on board the machine with magnetothermal protection of the electric motor and presence of phase sequence relay, for correct wiring.
The suction (TFA + TFAG2) and expulsion (TFTM) hose is also supplied with the extractor.

ADDED VALUES

Gas spring for assisted movement of the suction chamber and positioning on the exhaust. Interchangeability of accessories, allowing different applications on different vehicles.

CERTIFICATIONS

CE UK CA

OM7000

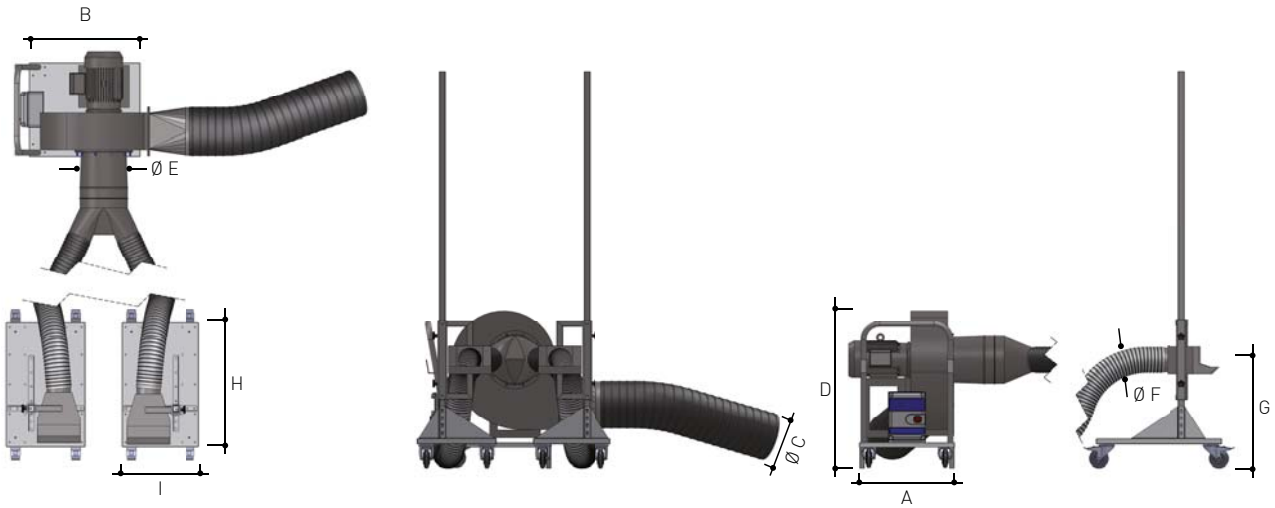
PORTABLE EXTRACTION SYSTEM FOR GASES OF SPECIAL VEHICLES

TECHNICAL FEATURES

Performance data were measured with appropriate instruments in our workshops.
Noise values were measured in free field in indoor installations with the exhaust outlets connected to the piping

Model	Suction Ø mm	Expulsion Ø mm	Power kW	Supply V/f/Hz	Tot. flow rate m^3/h	Noise dBA	Tot. weight kg
OM7000	150	300	5.5	400/3/50	4000	88	170

DIMENSIONS



Model	A mm	B mm	ØC mm	D mm	ØE mm	ØF mm	G mm	H mm	I mm
OM7000	600	700	300	900	300	150	min. 500 max. 2000	800	500

OM7000 WHEELED EXTRACTOR

Code	Description
OM7000C1	Wheeled extractor complete with 5 metres of hose and 10 metres of piping in expulsion. Working height 500-2000 mm

ACCESSORIES

Extension for OM7000	Code	Description
	OM6000PR1	Power cable extension with 400V sockets 4x2.5 - L. 10 m including 16A red industrial plug
	OM6000PR2	Power cable extension with 400V sockets 4x4 - L. 20 m including 16A red industrial plug

SPARE PARTS

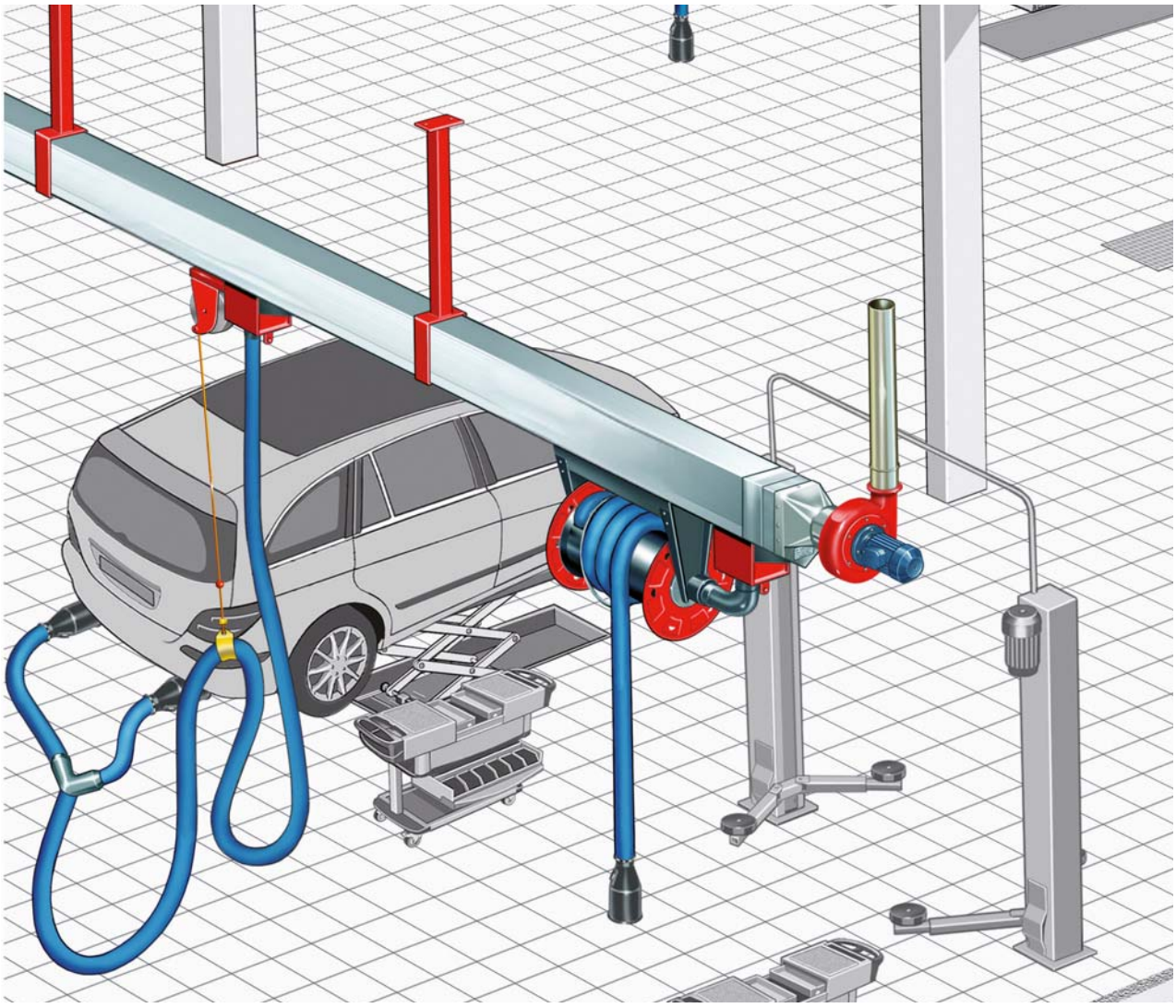
High-temperature-resistant piping	Code	Description
	TFAG2150025	TFAG2 hose 400 °C resistant - Ø 150 mm - L. 2.5 m

Anti-crushing piping (suction)	Code	Description
	TFA150025	TFA hose Ø 150 mm - L. 2.5 m

Hose (expulsion)	Code	Description
	TFTM300010	TFTM hose Ø 300 mm - L. 10 m

Code	Description
OM7000RIC1	Spare wheel kit OM7000 for fan carriage
OM7000RIC2	Spare wheel kit OM7000 for positioners

Layout of car and van workshop systems with example of installation of our products and applications



SLIDING SYSTEMS ON OVERHEAD DUCT

Exhaust Gas
Extraction Equipments

SLIDING SYSTEMS ON OVERHEAD DUCT

APPLICATIONS

Specially designed for greater flexibility of use in single or centralised exhaust gas extraction. They are widely used in the Automotive sector as a single manifold can serve many extraction points by connecting rubber hoses to sliding carriages or winders made to ensure sliding along the extraction axis. The system, which comes pre-assembled and with instructions to make the wall or ceiling installation very simple, also allows the connection of the electric fan to the duct to facilitate the expulsion of gases outwards.

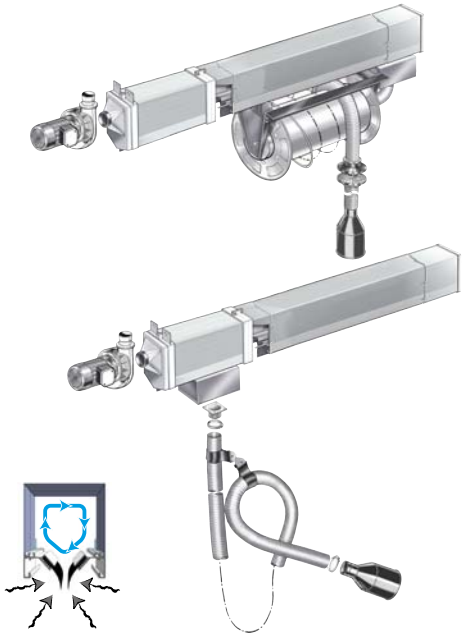
CONSTRUCTION CHARACTERISTICS

The OM8000 / OM9000 duct is made entirely of aluminium alloy to guarantee light weight and resistance to chemicals from exhaust gases. The cover supported by pre-assembled powder-coated carbon steel brackets allows the construction of very long and torsionally strong suction lines. The system involves the use of a double die-cast aluminium alloy 'anticorodal' profile specially designed for the fast and light sliding of winders and carriages. The perfect seal to the internal depressions required by high-pressure extractors for gas evacuation is ensured by a special 'EPDM' rubber lip made of a wing profile that is resistant over time to the aggression of gas, heat, ageing and abrasion. Fastening to the ceiling or wall is facilitated by our range of telescopic brackets, which are also useful for installation at great heights for perfect alignment of the suction duct.

TYPES OF DUCT

DUCT OM8000
Duct made of extruded aluminium round profile for winders and sliding carriages

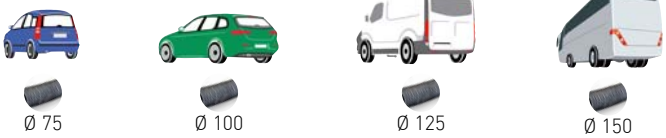
DUCT OM9000
Duct in extruded aluminium square profile for winders and sliding carriages



OM8000

SLIDING EXTRACTION SYSTEM WITH EXTRUDED OVERHEAD DUCT

Applications



Use

Single or centralised wall or ceiling mounted exhaust gas extraction, with manual sliding along the suction axis

DESCRIPTION

Sliding duct systems, which are useful in the case of single utilities or low contemporaneity, can mount a duct-mounted fan for connection with rigid expulsion pipes.
In more complex, multi-user systems, the extractor is installed in technical compartments, on the floor or wall and, in the case of large systems, also outdoors.
In these cases, our technical department will be able to provide the best technical solutions for system sizing and layout of rigid gas suction/exhaust pipes.
The carriages are handled manually by the operator; in the case of multi-utility lines, using the hose connected to the carriages, or with ropes complete with a handle, in the case of winders.
The duct allows the installation of a rigid smoke/gas extraction arm as an alternative to the carriage with or the winder.

CONSTRUCTION

Extruded magnesium-aluminium alloy profile bars supplied in kits of various lengths that can be coupled together to create customised lines according to the specific requirements of individual car and truck workshops.
Exclusive sealing system of our own design, made of 'EPDM' rubber, resistant to gases and high temperatures.
Special profiling to guarantee a perfect seal even at low depressions: it facilitates the sliding of the inner ogives and maintains a perfect airtightness.
Sliding carriages designed for different utilities, equipped with special Teflon wheels complete with bearings for optimal sliding inside the aluminium profiles.

ADDED VALUES

Easy assembly: the ducts are pre-assembled during the production phase, including the insertion of the rubber into the aluminium profile, an operation that would otherwise not be easy to perform on site.
Considerable resistance to the torsional stresses that can be generated during the various work phases.
Suction systems with duct and sliding carriages enable the extraction of vehicle exhaust gases in the following applications:

- overhaul and testing workshops with moving vehicles (in line with the system) to which suitable exhaust coupling nozzles are attached, connected to the suction system
- centralised systems serving lifting bridges or multiple work areas where it is not possible or convenient to install fixed wall or ceiling-mounteddevices.

CERTIFICATIONS

CE UK CA

OM8000

SLIDING EXTRACTION SYSTEM WITH EXTRUDED OVERHEAD DUCT

TECHNICAL FEATURES

The speed inside the duct has been calculated at around 20 m/s, which we recommend as the maximum speed to facilitate the sliding of the carriages and the proper evacuation of gases.

Model	Carriages	Winders	Contemporaneity	Contempora-neity	Tot. flow rate m^3/h	Max. recommended length for fan expulsion Ø	Max. recommended length for fan expulsion Ø Pa
OM8000	CST1 Ø 75	–	2 max	OM2110	600	20 m - Ø 150 mm	220
OM8000	–	OM1000075	1 max	OM2110	300	30 m - Ø 150 mm	400
OM8000	–	OM1000100	1 max	OM2110	450	30 m - Ø 150 mm	380
OM8000	CST1 Ø 75	–	4 max	OM2120	1200	30 m - Ø 200 mm	500
OM8000	CST2 Ø 100	–	3 max	OM2120	1350	30 m - Ø 200 mm	400
OM8000	CST3 Ø 125	–	2 max	OM2120	1400	30 m - Ø 200 mm	300
OM8000	CST4 Ø 150	–	1 max	OM2120	1100	30 m - Ø 200 mm	700
OM8000	–	OM1000075	4 max	OM2120	1200	30 m - Ø 200 mm	400
OM8000	–	OM1000100	3 max	OM2120	1350	30 m - Ø 200 mm	350
OM8000	–	OM1000125	2 max	OM2120	1400	30 m - Ø 200 mm	200

Performance data were measured with appropriate instruments in our workshops.
• flow rate and head: the values refer to the use of extractors directly coupled to the duct under standard working conditions;
• expulsions: they must be made with rigid piping avoiding bottlenecks, section changes, curves and deviations and with a long length;
• noise: noise data were measured in free field in indoor installations. In low-noise environments, the use of silencers is recommended.

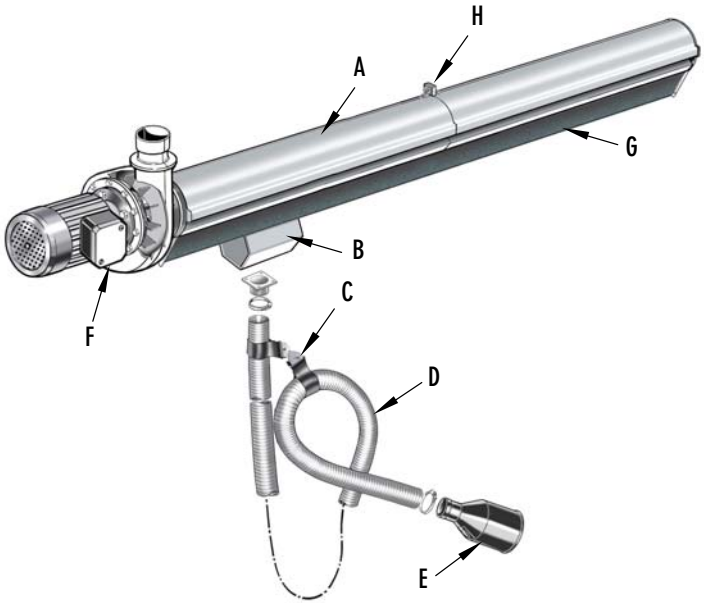
DIMENSIONS

Model	Dimensions Ø x L (mm)	Recommended max. flow rate m^3/h	Pressure drop Pa	Weight (excluding carriages and brackets) kg
OM8000	200 x 2000	2000	38	16
OM8000	200 x 4000	2000	76	32
OM8000	200 x 6000	2000	114	48

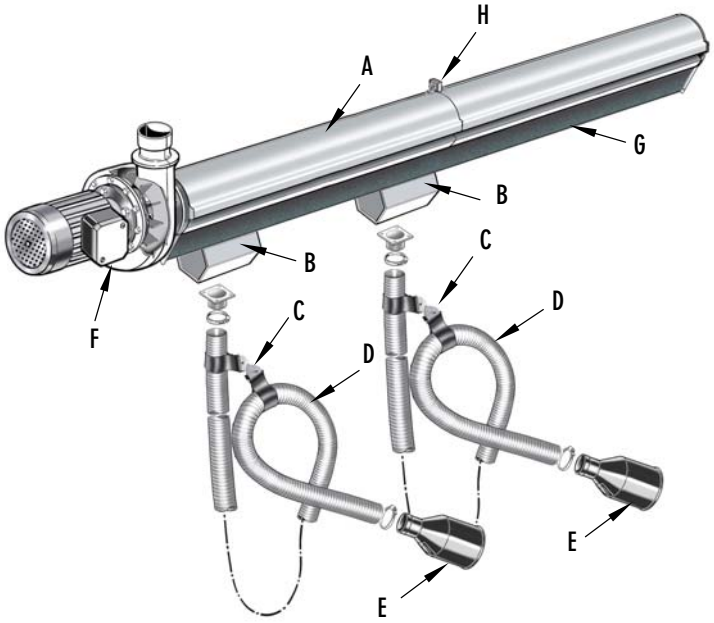
CONFIGURATION EXAMPLES

OM8000 DUCT SUCTION SYSTEM
PRE-CONFIGURED FOR SINGLE SUCTION

LIST OF MAIN KIT COMPONENTS	
A	Aluminium duct
B	Single sliding carriage
C	Coupling for piping suspension
D	Rubber piping
E	Rubber nozzle with cap
F	Extractor
G	Rubber wing profile
H	Duct joint brackets



OM8000 DUCT SUCTION SYSTEM
PRE-CONFIGURED FOR DOUBLE SUCTION



LIST OF MAIN KIT COMPONENTS	
A	Aluminium duct
B	Sliding carriage
C	Coupling for piping suspension
D	Rubber piping
E	Rubber nozzle with cap
F	Extractor
G	Rubber wing profile
H	Duct joint brackets

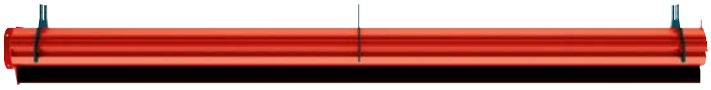
OM8000

SLIDING EXTRACTION SYSTEM WITH EXTRUDED OVERHEAD DUCT

DUCT OM8000 MODULAR COMPOSITION

A	=	4000 mm	initial segment
B	=	4000 mm	intermediate segment
C	=	2000 mm	final segment
D	=	4000 mm	final segment

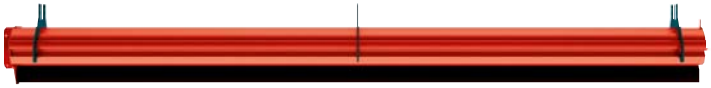
6 m



A

C

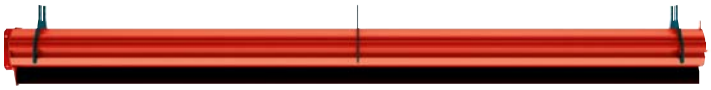
8 m



A

D

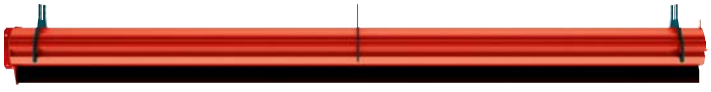
10 m



A

B

12 mt



A

B

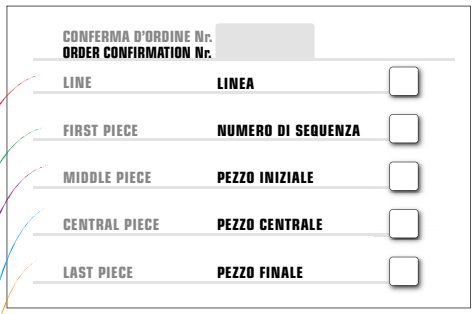
14 m = A + B + B + C

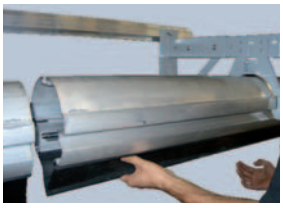
16 m = A + B + B + D

... m = ... + ... + ...

BASIC STEPS FOR CORRECT ASSEMBLY OF THE OM8000 DUCT

By reading the label on each pallet, you are able to organise the material so that it is immediately ready for assembly





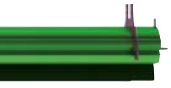
Specifies the total length in metres of the duct system

Specifies the assembly sequence in numerical order (01 - 02 - 02 - 03 - 04...)

Specifies whether the unit in question is the first piece to be assembled, coincides with the assembly sequence 01

Specifies whether the unit in question is part of the main body, coincides with the assembly sequence 02 ...

Specifies whether the unit in question is the last part to be assembled, coincides with the last number in the assembly sequence



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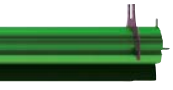
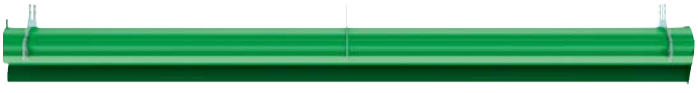




D

OM8000

SLIDING EXTRACTION SYSTEM WITH EXTRUDED OVERHEAD DUCT

OM8000 KIT SUPPLIED PRE-ASSEMBLED/PACKED

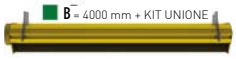
N.B. Wall or ceiling support brackets must be inserted every 2 metres

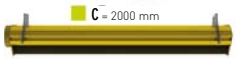
Code	Description	Duct length m
0M8000KIT1	Duct kit model OM8000 in 4 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	4
0M8000KIT2	Duct kit model OM8000 in 6 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	6
0M8000KIT3	Duct kit model OM8000 in 8 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	8
0M8000KIT4	Duct kit model OM8000 in 10 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	10
0M8000KIT5	Duct kit model OM8000 in 12 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	12
0M8000KIT6	Duct kit model OM8000 in 16 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	16
0M8000KIT7	Duct kit model OM8000 in 20 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	20
0M8000KIT8	Duct kit model OM8000 in 24 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	24
0M8000KIT9	Duct kit model OM8000 in 28 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	28
0M8000KIT10	Duct kit model OM8000 in 32 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	32
0M8000KIT11	Duct kit model OM8000 in 36 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	36
0M8000KIT12	Duct kit model OM8000 in 40 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	40

OM8000 MODULES FOR COMPOSITIONS

N.B. Wall or ceiling support brackets must be inserted every 2 metres

	Code	Description
	OM8000M1	Duct OM8000 Ø 200 mm - L. 4000 mm initial segment

	Code	Description
	OM8000M2	Duct OM8000 Ø 200 mm - L. 4000 mm intermediate segment

	Code	Description
	OM8000M3	Duct OM8000 Ø 200 mm - L. 2000 mm final segment

	Code	Description
	OM8000M4	Duct OM8000 Ø 200 mm - L. 4000 mm final segment

	Code	Description
	OM8000M5	L. 2000 mm finished segment

	Code	Description
	OM8000M6	L. 4000 mm finished segment

ACCESSORIES

OM8000 duct joint brackets kit	Code	Description
	OM8000ST1	Brackets kit for extruded duct joint Ø 200 mm

Closing flange for duct OM8000	Code	Description
	OM8000FL1	OM8000 duct closing flange

OM8000

SLIDING EXTRACTION SYSTEM WITH EXTRUDED OVERHEAD DUCT

ACCESSORIES

Output flange for duct OM8000	Code	Description
	OM8000FL2	Outlet flange - OM8000 duct Ø 200 mm
	OM8000FL3	Top outlet flange - OM8000 duct Ø 200 mm

Support bracket for duct OM8000	Code	Description
	OM8000ST2	Support bracket for OM8000 duct - To be inserted every 2 metres + 1

Implementation kit for OM1000	Code	Description
	OM1000KIT3	Components for OM1000 winder adaptation on OM8000 duct with TFA Ø 75/7.5 - 100/7.5 - drum L. 560
	OM1000KIT4	Components for OM1000 winder adaptation on OM8000 duct with TFA Ø 75/10 - 75/12.5 - 100/10 - 125/7.5 - 125/10 - drum L. 720
	OM1000KIT5	Components for OM1000 winder adaptation on OM8000 duct with TFA Ø 75/15 - 100/12.5 - 125/12.5 - 150/7.5 - 150/10 - drum L. 960
	OM1000KIT6	Components for OM1000 winder adaptation on OM8000 duct with TFA Ø 100/15 - 125/15 - 150/12.5 - 150/15 - drum L. 1200

Wall brackets	Code	Description
	OM8000ST3	Wall mounting bracket for OM9022/OM9024/OM8000 - L. 550 mm - To be inserted every 2 metres + 1
	OM8000ST4	Wall mounting bracket for OM9022/OM9024/OM8000 - L. 960 mm - To be inserted every 2 metres + 1

Ceiling brackets H max. 1500 mm	Code	Description
	OM8000ST6	Ceiling mounting bracket for OM9022/OM9024/OM8000 - L. 700 mm - To be inserted every 2 metres + 1
	OM8000ST5	Ceiling mounting bracket for OM9022/OM9024/OM8000 - L. 1500 mm - To be inserted every 2 metres + 1


ACCESSORIES

Ceiling brackets kit H max. 3000 mm	Code	Description
	OM8000ST7	Ceiling mounting bracket kit L. 3000 mm with 45° articulation, for OM9000/OM8000 duct - To be inserted every 2 metres + 1

Fan for OM8000*	Code	Description
	OM8000V1	OM2120 extractor kit - 1.5kW 230/1/50 for OM8000 duct - outlet Ø 158L
	OM8000V2	OM2120 extractor kit - 1.5kW 400/3/50-60 for OM8000 duct - outlet Ø 158L

* Standard outlet Ø 158 mm for Ø 160 mm hose

Switches and switchboards	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm
	QA2	Single-phase switchboard 230V 50/60Hz 0.37-2.2kW 16A IP55 padlockable, 240x340hx170 mm 2.8 kg. Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/ alarms display, multilingual display
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included
	QA3	Three-phase 4-pole switchboard 400V 50/60Hz 0.55-7.5kW 15A IP55 padlockable, 240x340hx170 mm 5.5 kg Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/alarms display, multilingual display, phase sequence alarm for motor rotation
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included

OM8000 union kit	Code	Description
	OM8000KIT13	Adhesive tape and silicone for OM9000 and OM8000 duct hermetic sealing

OM8000

SLIDING EXTRACTION SYSTEM WITH EXTRUDED OVERHEAD DUCT

ACCESSORIES

Extractor reduction hopper OM2110-OM2120	Code	Description
	TRA1	Square-round fitting for OM2110/OM2120 flange 190x190 at Ø 160R
	TRA2	Vibration-damping joint Ø 160R height 100 mm
	TRA3	Square-round fitting for OM2110/OM2120 flange 190x190 of Ø 158 for hose
	TRA4	Square-round fitting for FOM2110/OM2120 flange 190x190 at Ø 180R
	TRA5	Vibration-damping joint Ø 180R height 100 mm
	TRA6	Square-round fitting for OM2110/OM2120 flange 190x190 of Ø 178 for hose

Sliding carriages for OM8000	Code	Description
	CST1	Sliding carriage for pipe Ø 75 mm
	CST2	Sliding carriage for pipe Ø 100 mm
	CST3	Sliding carriage for pipe Ø 125 mm
	CST4	Sliding carriage for pipe Ø 150 mm or articulated arm Ø 160 mm

Exhaust gas extraction with articulated arms	Code	Description
	CSB1	Carrello scorrevole per bracci di aspirazione Ø 160 mm
	OM4800160A1	Arm model OM4800 Ø 160 mm - L. 3 m for exhaust gas extraction from duct OM9000/OM8000
	OM4800160A2	Arm model OM4800 Ø 160 mm - L. 4 m - for exhaust gas extraction from duct OM9000/OM8000
	OM4900160A1	Arm model OM4900 Ø 160 mm - L. 3 m - for exhaust gas extraction from duct OM9000/OM8000
	OM4900160A2	Arm model OM4900 Ø 160 mm L. 4 m - for exhaust gas extraction from duct OM9000/OM8000

Rocker arm for sliding carriages	Code	Description
	BSC1	Rocker complete with carriage bracket and coupling for Ø 75 mm
	BSC2	Rocker complete with carriage bracket and coupling for Ø 100 mm
	BSC3	Rocker complete with carriage bracket and coupling for Ø 125-150 mm


ACCESSORIES

Connection for anti-crushing piping suspension TFA	Code	Description
	AST075	Connection for piping suspension Ø 75 mm on carriage
	AST100	Connection for piping suspension Ø 100 mm on carriage
	AST125	Connection for piping suspension Ø 125 mm on carriage
	AST150	Connection for piping suspension Ø 150 mm on carriage

Damper on nozzle	Code	Description
	SMBR075	Manual damper with anti-intrusion mesh for Ø 75 mm
	SMBR100	Manual damper with anti-intrusion mesh for Ø 100 mm
	SMBR125	Manual damper with anti-intrusion mesh for Ø 125 mm
	SMBR150	Manual damper with anti-intrusion mesh for Ø 150 mm
	SMBR200	Manual damper with anti-intrusion mesh for Ø 200 mm

Ertalon couplings for quick release/connection	Code	Description
	AREMB075	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 75 mm
	AREFT075	Ertalon quick coupling - female half coupling - for hose Ø 75 mm
	AREMT075	Ertalon quick coupling - male half coupling - for hose Ø 75 mm (for pipe extension)
	AREMB100	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 100 mm
	AREFT100	Ertalon quick coupling - female half coupling - for hose Ø 100 mm
	AREMT100	Ertalon quick coupling - male half coupling - for hose Ø 100 mm (for pipe extension)
	AREMB125	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 125 mm
	AREFT125	Ertalon quick coupling - female half coupling - for hose Ø 125 mm
	AREMT125	Ertalon quick coupling - male half coupling - for hose Ø 125 mm (for pipe extension)
	AREMB150	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 150 mm
	AREFT150	Ertalon quick coupling - female half coupling - for hose Ø 150 mm
	AREMT150	Ertalon quick coupling - male half coupling - for hose Ø 150 mm (for pipe extension)

OM8000

SLIDING EXTRACTION SYSTEM WITH EXTRUDED OVERHEAD DUCT

ACCESSORIES

Galvanised steel couplings with quick release/connection clamps	Code	Description
	ARZP1F	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Female
	ARZP1M	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Male
	ARZP2F	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Female
	ARZP2M	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Male
	ARZP3F	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Female
	ARZP3M	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Male

Galvanised steel couplings with bayonet for quick release/ connection	Code	Description
	ARZB1F	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Female
	ARZB1M	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Male
	ARZB2F	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Female
	ARZB2M	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Male
	ARZB3F	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Female
	ARZB3M	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Male

Pipe clamps	Code	Description
	FS070090	Pipe clamp Ø 70-90 mm - stainless steel
	FS090110	Pipe clamp Ø 90-110 mm - stainless steel
	FS120140	Pipe clamp Ø 120-140 mm - stainless steel
	FS140160	Pipe clamp Ø 140-160 mm - stainless steel

ACCESSORIES

Anti-crushing hose	Code		Description	
	TFA075075		TFA anti-crushing hose Ø 75 mm	L. 7.5 m
	TFA075010		TFA anti-crushing hose Ø 75 mm	L. 10 m
	TFA100075		TFA anti-crushing hose Ø 100 mm	L. 7.5 m
	TFA100010		TFA anti-crushing hose Ø 100 mm	L. 10 m
	TFA125075		TFA anti-crushing hose Ø 125 mm	L. 7.5 m
	TFA125010		TFA anti-crushing hose Ø 125 mm	L. 10 m

SPARE PARTS

Code	Description
OM8000RIC1	Rubber wing profile for OM8000 duct (price per running metre - 1 lip)

NOZZLES AND POSITIONERS

For nozzle selection, please refer to the section on Page 115


OMB01


OMB02


OMB03


OMB04


OMB05


OMB06


OMB07


OMB08


OMB09


OMB010


OMB011


OMB012


OMB013


OMB014


OMB015


OMB016


OMB017


OMB018


OMB019

OM9000

SLIDING EXTRACTION SYSTEM WITH EXTRUDED OVERHEAD DUCT WITH SQUARE PROFILE

Applications

Use

Single or centralised wall or ceiling mounted exhaust gas extraction, with manual sliding along the suction axis

DESCRIPTION

Sliding duct systems, which are useful in the case of single utilities or low contemporaneity, can mount a duct-mounted fan for connection with rigid expulsion pipes.
In more complex, multi-user systems, the extractor is installed in technical compartments, on the floor or wall and, in the case of large systems, also outdoors.
In these cases, our technical department will be able to provide the best technical solutions for system sizing and layout of rigid gas suction/exhaust pipes.
The carriages are handled manually by the operator; in the case of multi-utility lines, using the hose connected to the carriages, or with ropes complete with a handle, in the case of winders.
The duct allows the installation of a rigid smoke/gas extraction arm as an alternative to the carriage with hose or the winder.

CONSTRUCTION

The OM9000 series duct has two possible suction sections (OM9022 and OM9024) and allows higher air flow rates (and thus more carriages).
Square profile, available in a single section in extruded aluminium.
Extruded magnesium-aluminium alloy profile bars supplied in kits of various lengths that can be coupled together to create customised lines according to the specific requirements of individual car and truck workshops.
Exclusive sealing system of our own design, made of 'EPDM' rubber, resistant to gases and high temperatures.
Special profiling to guarantee a perfect seal even at low depressions: it facilitates the sliding of the inner ogives and maintains a perfect airtightness.
Sliding carriages designed for different utilities, equipped with special Teflon wheels complete with bearings for optimal sliding inside the aluminium profiles.

ADDED VALUES

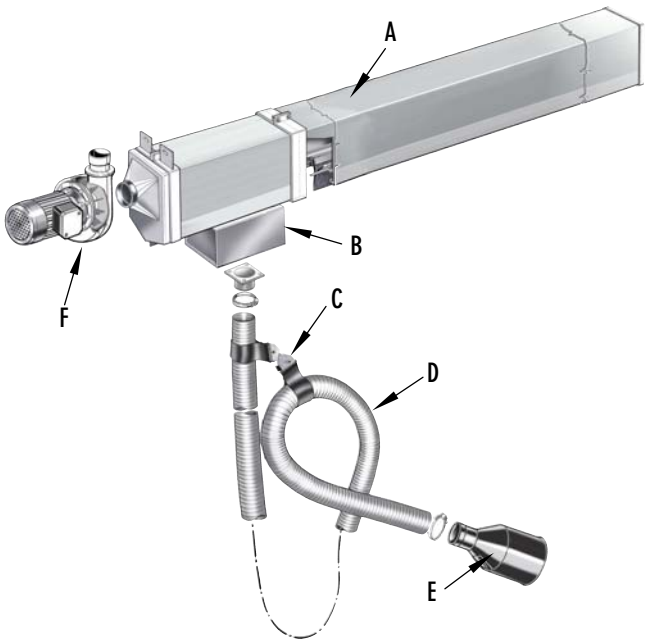
Easy assembly: the ducts are pre-assembled during the production phase, including the insertion of the rubber into the aluminium profile, an operation that would not be easy if performed on site.
Considerable resistance to the torsional stresses that can be generated during the various work phases.
Suction systems with duct and sliding carriages enable the extraction of vehicle exhaust gases in the following applications:

- overhaul and testing workshops with moving vehicles (in line with the system) to which suitable exhaust coupling nozzles are attached, connected to the suction system
- centralised systems serving lifting bridges or multiple work areas where it is not possible or convenient to install fixed wall or ceiling-mounteddevices.

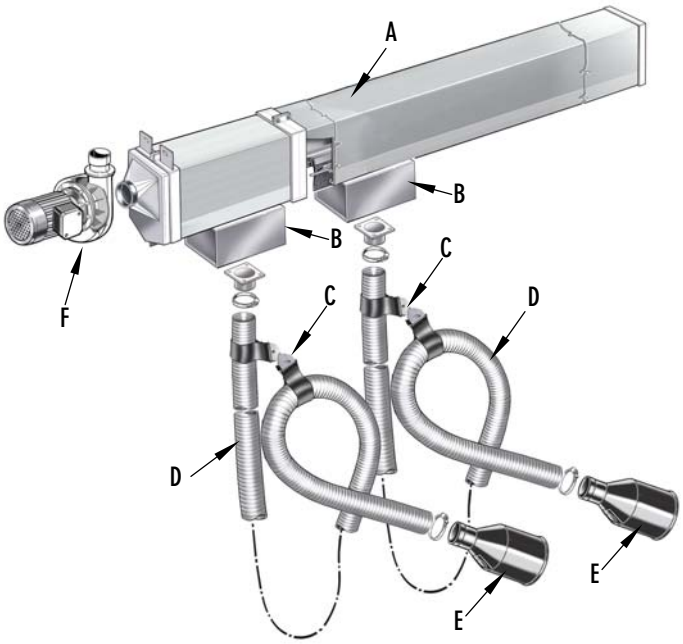
CONFIGURATION EXAMPLES

OM9000 DUCT SUCTION SYSTEM PRE-CONFIGURED FOR SINGLE SUCTION

LIST OF MAIN KIT COMPONENTS	
A	Aluminium duct
B	Single sliding carriage
C	Coupling for piping suspension
D	Rubber piping
E	Rubber nozzle with cap
F	Extractor



OM9000 DUCT SUCTION SYSTEM PRE-CONFIGURED FOR DOUBLE SUCTION



LIST OF MAIN KIT COMPONENTS	
A	Aluminium duct
B	Single sliding carriage
C	Coupling for piping suspension
D	Rubber piping
E	Rubber nozzle with cap
F	Extractor

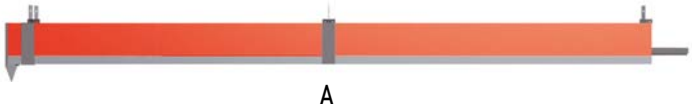
OM9000

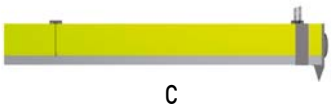
EXTRUDED ALUMINIUM PROFILE DUCT FOR WINDERS
AND SLIDING CARRIAGES

DUCT OM9000 MODULAR COMPOSITION

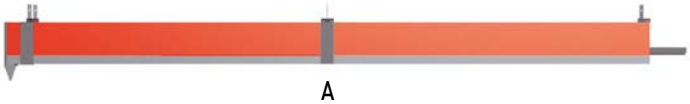
A	=	4000 mm	initial segment
B	=	4000 mm	intermediate segment
C	=	2000 mm	final segment
D	=	4000 mm	final segment

6 m

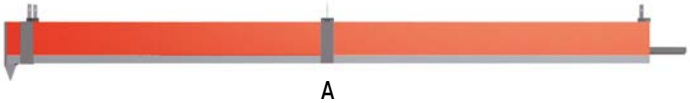




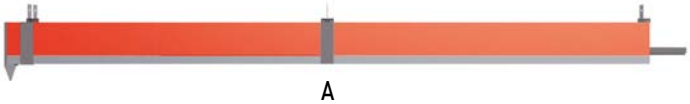
8 m



10 m



12 m



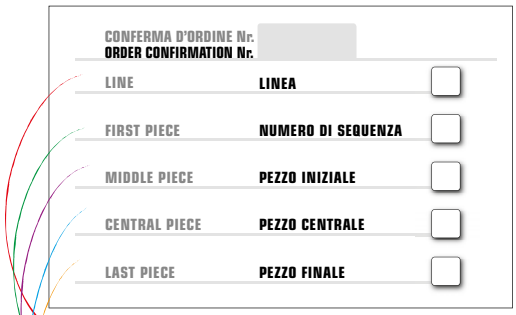
14 m = A + B + B + C

16 m = A + B + B + D

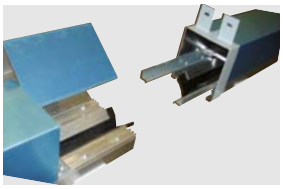
... m = ... + ... + ...

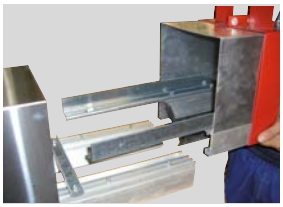
BASIC STEPS FOR CORRECT ASSEMBLY OF THE OM9000 DUCT

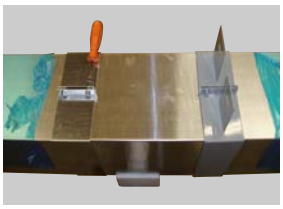
By reading the label on each pallet, you are able to organise the material so that it is immediately ready for assembly

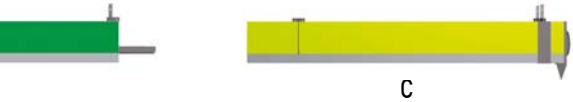


- Specifies the total length in metres of the duct system
- Specifies the assembly sequence in numerical order (01 - 02 - 02 - 03 - 04...)
- Specifies whether the unit in question is the first piece to be assembled, coincides with the assembly sequence 01
- Specifies whether the unit in question is part of the main body, coincides with the assembly sequence 02 ...
- Specifies whether the unit in question is the last part to be assembled, coincides with the last number in the assembly sequence









OM9000

EXTRUDED ALUMINIUM PROFILE DUCT FOR WINDERS AND SLIDING CARRIAGES

TECHNICAL FEATURES

Data are also guaranteed on the different lengths of the TFA pipes (7.5 - 10 - 12.5 - 15 m).

Model	Carriages	Winders	Contemporaneity	Fans	Tot. flow rate	Max. recommended length for fan expulsion Ø	Available expulsion pressure
	Ø mm				m^3/h		Pa
OM9022	Ø 75	–	2 max	OM2110	600	20 m - Ø 150 mm	250
OM9022	–	OM1000075	1 max	OM2110	300	30 m - Ø 150 mm	400
OM9022	–	OM1000100	1 max	OM2110	450	30 m - Ø 150 mm	400
OM9022	Ø 75	–	4 max	OM2120	1200	30 m - Ø 200 mm	400
OM9022	Ø 100	–	3 max	OM2120	1350	30 m - Ø 200 mm	600
OM9022	Ø 125	–	2 max	OM2120	1400	30 m - Ø 200 mm	500
OM9022	Ø 150	–	1 max	OM2120	1100	30 m - Ø 200 mm	700
OM9022	–	OM1000075	4 max	OM2120	1200	30 m - Ø 200 mm	400
OM9022	–	OM1000100	3 max	OM2120	1350	30 m - Ø 200 mm	350
OM9022	–	OM1000125	2 max	OM2120	1400	30 m - Ø 200 mm	300
OM9022	–	OM1000150	1 max	OM2120	1100	30 m - Ø 200 mm	500

Performance data were measured with appropriate instruments in our workshops.
- flow rate and head: the values refer to the use of extractors directly coupled to the duct under standard working conditions;
- expulsions: they must be made with rigid piping avoiding bottlenecks, section changes, curves and deviations and with a long length;
- noise: noise data were measured in free field in indoor installations. In low-noise environments, the use of silencers is recommended.

DIMENSIONS

The speed inside the duct has been calculated at around 20 m/s, which we recommend as the maximum speed to facilitate the sliding of the carriages and the proper evacuation of gases.

Model	Dimensions	Recommended max. flow rate	Pressure drop	Weight (excluding carriages and brackets)
	Ø x L (mm)	m^3/h	Pa	kg
OM9022/2	220 x 200 x 2000	3000	40	22.50
OM9022/4	220 x 200 x 4000	3000	70	45.00
OM9024/2	220 x 400 x 2000	6000	30	28.50
OM9024/4	220 x 400 x 4000	6000	55	75.00

OM9022 KIT SUPPLIED PRE-ASSEMBLED/PACKED

N.B. Wall or ceiling support brackets must be inserted every 2 metres

Code	Description	Duct length m
OM9022KIT1	Duct kit model OM9022 in 4 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	4
OM9022KIT2	Duct kit model OM9022 in 6 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	6
OM9022KIT3	Duct kit model OM9022 in 8 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	8
OM9022KIT4	Duct kit model OM9022 in 10 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	10
OM9022KIT5	Duct kit model OM9022 in 12 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	12
OM9022KIT6	Duct kit model OM9022 in 16 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	16
OM9022KIT7	Duct kit model OM9022 in 20 m length configured with supports , joints, closing flange and outlet flange at Ø 200 mm	20
OM9022KIT8	Duct kit model OM9022 in 24 m length configured with supports , joints, closing flange and outlet flange at Ø 200 mm	24
OM9022KIT9	Duct kit model OM9022 in 28 m length configured with supports , joints, closing flange and outlet flange at Ø 200 mm	28
OM9022KIT10	Duct kit model OM9022 in 32 m length configured with supports , joints, closing flange and outlet flange at Ø 200 mm	32
OM9022KIT11	Duct kit model OM9022 in 36 m length configured with supports , joints, closing flange and outlet flange at Ø 200 mm	36
OM9022KIT12	Duct kit model OM9022 in 40 m length configured with supports , joints, closing flange and outlet flange at Ø 200 mm	40

OM9000

EXTRUDED ALUMINIUM PROFILE DUCT FOR WINDERS
AND SLIDING CARRIAGES

OM9024 KIT SUPPLIED PRE-ASSEMBLED/PACKED

N.B. Wall or ceiling support brackets must be inserted every 2 metres

Code	Description	Duct length m
0M9024KIT1	Duct kit model OM9024 in 4 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	4
0M9024KIT2	Duct kit model OM9024 in 6 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	6
0M9024KIT3	Duct kit model OM9024 in 8 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	8
0M9024KIT4	Duct kit model OM9024 in 10 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	10
0M9024KIT5	Duct kit model OM9024 in 12 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	12
0M9024KIT6	Duct kit model OM9024 in 16 m length configured with supports, joints, closing flange and outlet flange at Ø 200 mm	16
0M9024KIT7	Duct kit model OM9024 in 20 m length configured with supports , joints, closing flange and outlet flange at Ø 200 mm	20
0M9024KIT8	Duct kit model OM9024 in 24 m length configured with supports , joints, closing flange and outlet flange at Ø 200 mm	24
0M9024KIT9	Duct kit model OM9024 in 28 m length configured with supports , joints, closing flange and outlet flange at Ø 200 mm	28
0M9024KIT10	Duct kit model OM9024 in 32 m length configured with supports , joints, closing flange and outlet flange at Ø 200 mm	32
0M9024KIT11	Duct kit model OM9024 in 36 m length configured with supports , joints, closing flange and outlet flange at Ø 200 mm	36
0M9024KIT12	Duct kit model OM9024 in 40 m length configured with supports , joints, closing flange and outlet flange at Ø 200 mm	40

OM9000 MODULES FOR COMPOSITIONS

MODULES FOR OM9022

	Code	Description
	OM9022M1	Duct OM9022 L. 4000 mm - initial segment - output at Ø 200 mm

	Code	Description
	OM9022M2	Duct OM9024 L. 4000 mm - intermediate segment

	Code	Description
	OM9022M3	Duct OM9022 L. 2000 - final segment

	Code	Description
	OM9022M4	Duct OM9022 L. 4000 mm - final segment

	Code	Description
	OM9022M5	Duct OM9022 L. 2000 mm - finished segment - output at Ø 200 mm

	Code	Description
	OM9022M6	Duct OM9022 L. 4000 - finished segment - output at Ø 200 mm

OM9000

EXTRUDED ALUMINIUM PROFILE DUCT FOR WINDERS
AND SLIDING CARRIAGES

MODULES FOR OM9024

	Code	Description
	OM9024M1	Duct OM9024 L. 4000 mm - initial segment - output at Ø 200 mm

	Code	Description
	OM9024M2	Duct OM9024 L. 4000 mm - intermediate segment

	Code	Description
	OM9024M3	Duct OM9024 L. 2000 - final segment

	Code	Description
	OM9024M4	Duct OM9024 L. 4000 mm - final segment

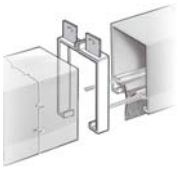
	Code	Description
	OM9024M5	Duct OM9024 L. 2000 mm - finished segment - output at Ø 200 mm

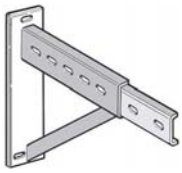
	Code	Description
	OM9024M6	Duct OM9024 L. 4000 mm - finished segment - output at Ø 200 mm

ACCESSORIES

Closing flange for duct OM9000	Code	Description
	OM9022FL1	OM9022 closing flange
	OM9024FL1	OM9024 closing flange

Output flange for duct OM9000	Code	Description
	OM9022FL2	Horizontal outlet flange for OM9022 duct Ø 200 mm L
	OM9024FL2	Horizontal outlet flange for OM9024 duct Ø 200 mm R
	OM9000FL3	Upper outlet flange Ø 200 mm for OM9022/OM9024 duct

Support bracket for duct OM9000	Code	Description
	OM9022ST1	Pair of support brackets OM9022 - To be inserted every 2 metres + 1
	OM9024ST1	Pair of support brackets OM9024 - To be inserted every 2 metres + 1

Wall brackets	Code	Description
	OM8000ST3	Wall mounting bracket for OM9022/OM9024/OM8000 L. 550 - To be inserted every 2 metres + 1
	OM8000ST4	Wall mounting bracket for OM9022/OM9024/OM8000 L. 960 - To be inserted every 2 metres + 1

Ceiling brackets H max. 1500 mm	Code	Description
	OM8000ST5	Ceiling mounting bracket kit L. 1500 for OM9000/OM8000 duct - To be inserted every 2 metres + 1
	OM8000ST6	Ceiling mounting bracket kit L. 700 for OM9000/OM8000 duct - To be inserted every 2 m + 1

OM9000

EXTRUDED ALUMINIUM PROFILE DUCT FOR WINDERS
AND SLIDING CARRIAGES

ACCESSORIES

Ceiling brackets H max. 3000 mm	Code	Description
	OM8000ST7	Adjustable ceiling bracket kit L. max = 3000 mm with 45° joint, for OM9000/OM8000 duct To be inserted every 2 m + 1

Fan for OM9000*	Code	Description
	OM9000V1	OM2120 extractor kit - 1.5 kW 230/1/50 with OM9022 duct bracket
	OM9000V2	OM2120 extractor kit - 1.5kW 400/3/50-60 with OM9022 duct bracket

* Standard outlet Ø 158 mm for Ø 160 mm hose

Switches and switchboards	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm
	QA2	Single-phase switchboard 230V 50/60Hz 0.37-2.2kW 16A IP55 padlockable, 240x340hx170 mm 2.8 kg. Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/ alarms display, multilingual display
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included
	QA3	Three-phase 4-pole switchboard 400V 50/60Hz 0.55-7.5kW 15A IP55 padlockable, 240x340hx170 mm 5.5 kg Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/alarms display, multilingual display, phase sequence alarm for motor rotation
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included

ACCESSORIES

Extractor reduction hopper OM2110-OM2120	Code	Description
	TRA1	Square-round fitting for OM2110/OM2120 flange 190x190 at Ø 160R
	TRA2	Vibration-damping joint Ø 160R height 100 mm
	TRA3	Square-round fitting for OM2110/OM2120 flange 190x190 of Ø 158 for hose
	TRA4	Square-round fitting for OM2110/OM2120 flange 190x190 at Ø 180R
	TRA5	Vibration-damping joint Ø 180R height 100 mm
	TRA6	Square-round fitting for OM2110/OM2120 flange 190x190 of Ø 178 for hose

OM1000 kit	Code	Description
	OM1000KIT2	Component kit for OM1000 adaptation on duct OM9000

Sliding carriages for OM9000	Code	Description
	CST5	Sliding carriage 280 x 250 for piping Ø 75 mm
	CST6	Sliding carriage 280 x 250 for piping Ø 100 mm
	CST7	Sliding carriage 520 x 250 for piping Ø 125 mm
	CST8	Sliding carriage 520 x 250 for piping Ø 150 mm or articulated arm Ø 160 mm
	CST9	Sliding carriage 750 x 250 for piping Ø 200 mm

Rocker arms for OM9000	Code	Description
	BSC4	Rocker complete with carriage bracket and coupling for Ø 75 mm
	BSC5	Rocker complete with carriage bracket and coupling for Ø 100 mm
	BSC6	Rocker complete with carriage bracket and coupling for Ø 125 mm
	BSC7	Rocker complete with carriage bracket and coupling for Ø 150 mm

OM9000

EXTRUDED ALUMINIUM PROFILE DUCT FOR WINDERS
AND SLIDING CARRIAGES

ACCESSORIES

Exhaust gas extraction with articulated arms	Code	Description
	CST8	Sliding carriage for Ø 160 mm suction arms
	OM4800160A1	Arm model OM4800 Ø 160 mm - L. 3 m - for exhaust gas extraction from duct OM9000/OM8000
	OM4800160A2	Arm model OM4800 Ø 160 mm - L. 4 m - for exhaust gas extraction from duct OM9000/OM8000
	OM4900160A1	Arm model OM4900 Ø 160 mm - L. 3 m - for exhaust gas extraction from duct OM9000/OM8000
	OM4900160A2	Arm model OM4900 Ø 160 mm - L. 4 m - for exhaust gas extraction from duct OM9000/OM8000

Damper on nozzle	Code	Description
	SMBR075	Manual damper with anti-intrusion mesh for Ø 75 mm
	SMBR100	Manual damper with anti-intrusion mesh for Ø 100 mm
	SMBR125	Manual damper with anti-intrusion mesh for Ø 125 mm
	SMBR150	Manual damper with anti-intrusion mesh for Ø 150 mm
	SMBR200	Manual damper with anti-intrusion mesh for Ø 200 mm

Connection for TFA anti-crushing piping suspension	Code	Description
	AST075	Connection for piping suspension Ø 75 mm on carriage
	AST100	Connection for piping suspension Ø 100 mm on carriage
	AST125	Connection for piping suspension Ø 125 mm on carriage
	AST150	Connection for piping suspension Ø 150 mm on carriage

OM9000 union kit	Code	Description
	OM8000KIT13	Adhesive tape and silicone for OM9000 and OM8000 duct hermetic sealing

ACCESSORIES

Ertalon couplings for quick release/connection	Code	Description
	AREMB075	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 75 mm
	AREFT075	Ertalon quick coupling - female half coupling - for hose Ø 75 mm
	AREMT075	Ertalon quick coupling - male half coupling - for hose Ø 75 mm (for pipe extension)
	AREMB100	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 100 mm
	AREFT100	Ertalon quick coupling - female half coupling - for hose Ø 100 mm
	AREMT100	Ertalon quick coupling - male half coupling - for hose Ø 100 mm (for pipe extension)
	AREMB125	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 125 mm
	AREFT125	Ertalon quick coupling - female half coupling - for hose Ø 125 mm
	AREMT125	Ertalon quick coupling - male half coupling - for hose Ø 125 mm (for pipe extension)
	AREMB150	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 150 mm
	AREFT150	Ertalon quick coupling - female half coupling - for hose Ø 150 mm
	AREMT150	Ertalon quick coupling - male half coupling - for hose Ø 150 mm (for pipe extension)

Galvanised steel couplings with quick release/connection clamps	Code	Description
	ARZP1F	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Female
	ARZP1M	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Male
	ARZP2F	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Female
	ARZP2M	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Male
	ARZP3F	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Female
	ARZP3M	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Male

OM9000

EXTRUDED ALUMINIUM PROFILE DUCT FOR WINDERS
AND SLIDING CARRIAGES

ACCESSORIES

Galvanised steel couplings with bayonet for quick release/ connection	Code	Description
	ARZB1F	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Female
	ARZB1M	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Male
	ARZB2F	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Female
	ARZB2M	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Male
	ARZB3F	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Female
	ARZB3M	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Male

Anti-crushing hose	Code		Description
	TFA075075		TFA anti-crushing hose Ø 75 mm L. 7.5 m
	TFA075010		TFA anti-crushing hose Ø 75 mm L. 10 m
	TFA075125		TFA anti-crushing hose Ø 75 mm L. 12.5 m
	TFA075015		TFA anti-crushing hose Ø 75 mm L. 15 m
	TFA100075		TFA anti-crushing hose Ø 125 mm L. 7.5 m
	TFA100010		TFA anti-crushing hose Ø 125 mm L. 10 m
	TFA100125		TFA anti-crushing hose Ø 125 mm L. 12.5 m
	TFA100015		TFA anti-crushing hose Ø 125 mm L. 15 m
	TFA125075		TFA anti-crushing hose Ø 125 mm L. 7.5 m
	TFA125010		TFA anti-crushing hose Ø 125 mm L. 10 m
	TFA125125		TFA anti-crushing hose Ø 125 mm L. 12.5 m
	TFA125015		TFA anti-crushing hose Ø 125 mm L. 15 m
	TFA150075		TFA anti-crushing hose Ø 150 mm L. 7.5 m
	TFA150010		TFA anti-crushing hose Ø 150 mm L. 10 m
	TFA150125		TFA anti-crushing hose Ø 150 mm L. 12.5 m
	TFA150015		TFA anti-crushing hose Ø 150 mm L. 15 m

ACCESSORIES

Pipe clamps	Code	Description
	FS070090	Pipe clamp Ø 70-90 mm - stainless steel
	FS090110	Pipe clamp Ø 90-110 mm - stainless steel
	FS120140	Pipe clamp Ø 120-140 mm - stainless steel
	FS140160	Pipe clamp Ø 140-160 mm - stainless steel

SPARE PARTS

Code	Description
OM9000RIC1	Rubber wing profile for OM9000 duct (price per running metre - 1 lip)

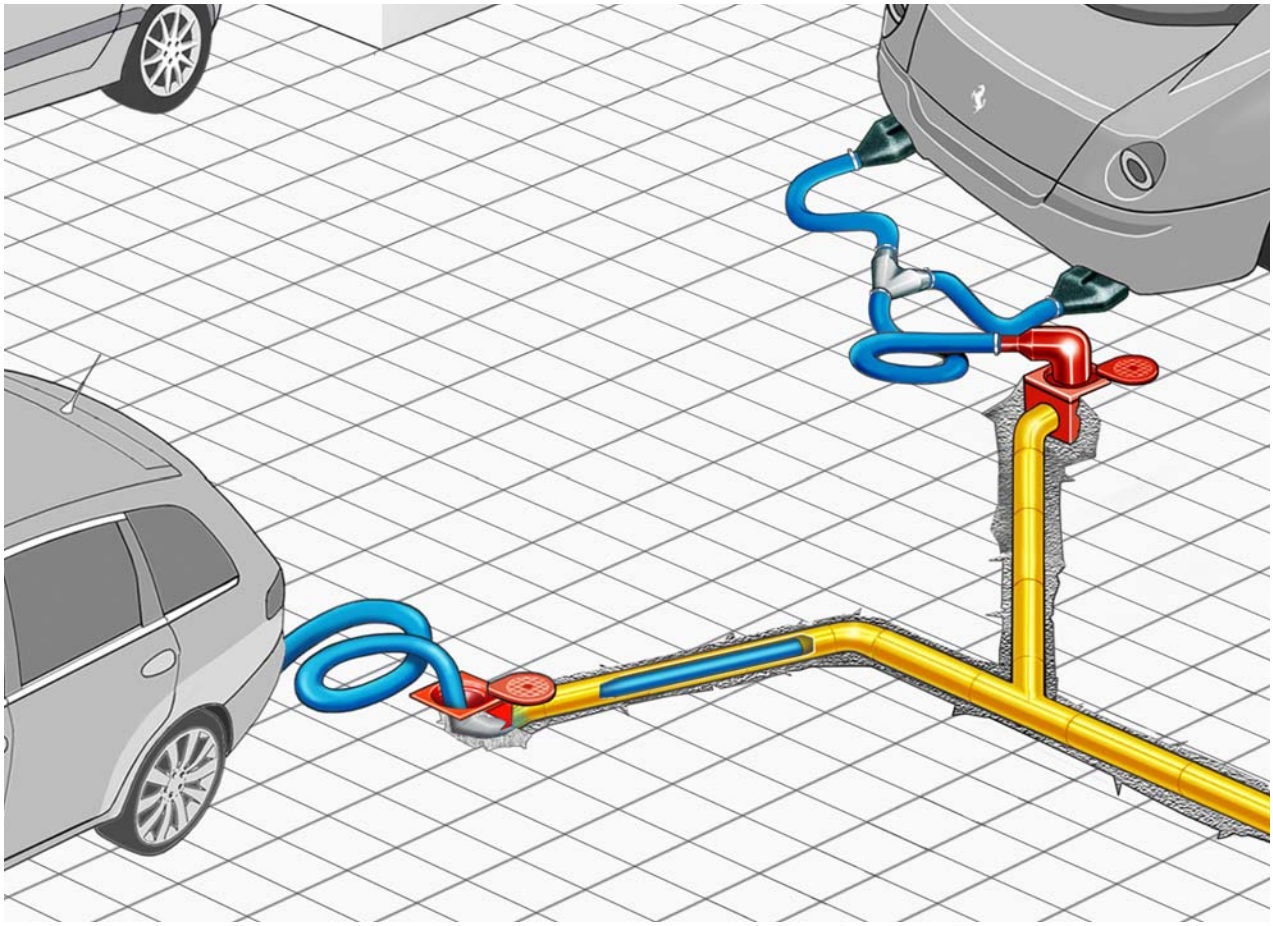
NOZZLES AND POSITIONERS

For nozzle selection, please refer to the section on Page 115

								
0MB01	0MB02	0MB03	0MB04	0MB05	0MB06	0MB07	0MB08	0MB09

									
0MB010	0MB011	0MB012	0MB013	0MB014	0MB015	0MB016	0MB017	0MB018	0MB019

Layout of car and van workshop systems with example of installation of our products and applications



FLOOR-MOUNTED EXTRACTION SYSTEMS

Exhaust Gas
Extraction Equipments

OM1100
GAS EXTRACTION SYSTEMS
FLOOR EXTRACTION

Page 80

OM1100

FLOOR-MOUNTED EXHAUST GAS EXTRACTION SYSTEMS

Applications

Use

Automotive floor-mounted exhaust gas extraction

DESCRIPTION

Motor vehicle exhaust gas extraction systems can only be installed in cases where no masonry work or flooring has been carried out in the work area during the construction phase of a new workshop.
This type of system is recommended when:
- the layout is defined and not subject to change, even in the future;
- the suction points are no more than 5 per line;
- simultaneous suction is partial (max 3 out of 5);
- the suction lines are no longer than 40/50 m including the fume expulsion;
- suction wells are placed in locations sheltered from continuous movement of motor vehicles.

CONSTRUCTION

OM1101

Die-cast aluminium floor pit for exhaust gas extraction from small and medium-sized cars.

OM1102

Floor wells made of cast iron GS 500-7 according to ISO 1083 / EN 1563 for suction of exhaust gases from vans, trucks and heavy goods vehicles.
Where the TFDS hose is retractable in the floor-mounted well, it is recommended to use a quick coupling between hose and nozzle to avoid damage. In this way, the TFDS hose can be retracted completely into the well.
The TFA hose is not suitable for retraction in the well and is recommended for external use.

ADDED VALUES

OM1101

Non-slip natural aluminium raised manhole.

OM1102

Raised manhole in cast iron non-slip type '4 L' approved. Resistant to 250 Kn according to EN 124.
Painted black.

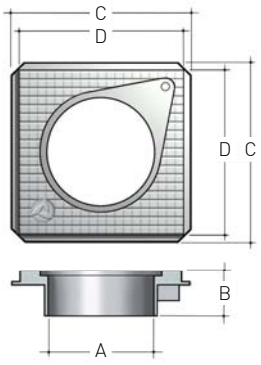
CERTIFICATIONS

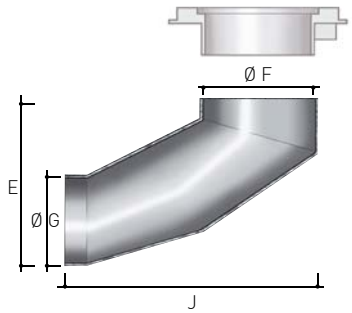
CE UK CA

TECHNICAL FEATURES

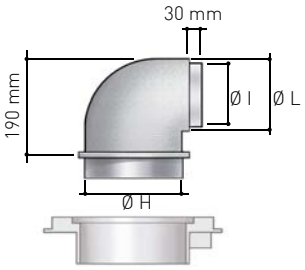
Model	Manhole finish material	Applications	Extraction hose usable (TFA) Ø mm	Recommended flow rate m^3/h	FE1101 pop-up Ø mm	FE1102 outer curve Model
OM1101	Natural aluminium	Motorbike car van	75	400	151	OM1100075
OM1101	Natural aluminium	Motorbike car van	100	650	151	OM1100100
OM1101	Natural aluminium	Motorbike car van	125	1000	–	OM1100125
OM1101	Natural aluminium	Motorbike car van	150	1200	–	OM1100150
OM1102	Black painted cast iron	Vans and heavy goods vehicles	75	400	250	–
OM1102	Black painted cast iron	Vans and heavy goods vehicles	100	650	250	–
OM1102	Black painted cast iron	Vans and heavy goods vehicles	125	1000	250	–
OM1102	Black painted cast iron	Vans and heavy goods vehicles	150	1200	250	–

DIMENSIONS





OM1101



OM1102

Model	Ø A mm	B mm	C mm	D mm	E mm	Ø F mm	Ø G mm	Ø H mm	Ø I mm	Ø L mm	J mm
OM1101	165	90	250	230	340	185	158	150	135	147	310
OM1102	250	45	400	360	370	315	240	–	–	–	430

OM1100

FLOOR-MOUNTED EXHAUST GAS EXTRACTION SYSTEMS

OM1100

OM1101 FLOOR-MOUNTED MANHOLE IN ALUMINIUM

OM1101	Code	Description
	OM1101C	Floor-mounted manhole in non-slip cast aluminium

Concealed curve for OM1101	Code	Description
	OM1101CS	Concealed PVC curve for TFA piping on aluminium well - piping max L. 2.5 m

Outer curve for OM1101	Code	Description
	OM1101CE075	External elbow for hose coupling Ø 75 mm
	OM1101CE100	External curve for hose coupling Ø 100 mm
	OM1101CE125	External curve for hose coupling Ø 125 mm
	OM1101CE150	External curve for hose coupling Ø 150 mm

OM1102 FLOOR-MOUNTED MANHOLE IN CAST IRON

OM1102	Code	Description
	OM1102C	Black water-soluble painted non-slip cast iron floor-mounted manhole

Concealed curve for OM1102	Code	Description
	OM1102CS	PVC retractable curve for OM1102 in cast iron complete with piping sliding guide (for piping max. L. 2.5 m)

ACCESSORIES

TFA - Anti-crushing hose	Code		Description
	TFA075075		TFA hose Ø 75 - L. 7.5 m
	TFA075010		TFA hose Ø 75 - L. 10 m
	TFA075125		TFA hose Ø 75 - L. 12.5 m
	TFA100075		TFA hose Ø 100 - L. 7.5 m
	TFA100010		TFA hose Ø 100 - L. 10 m
	TFA100125		TFA hose Ø 100 - L. 12.5 m
	TFA125075		TFA hose Ø 125 - L. 7.5 m
	TFA125010		TFA hose Ø 125 - L. 10 m
	TFA125125		TFA hose Ø 125 - L. 12.5 m
	TFA150075		TFA hose Ø 150 - L. 7.5 m
	TFA150010		TFA hose Ø 150 - L. 10 m
	TFA150125		TFA hose Ø 150 - L. 12.5 m

TFDS - Anti-crushing hose	Code		Description
	TFDS075003		Double layer TFDS hose Ø 75 - L. 3 m
	TFDS075006		Double layer TFDS hose Ø 75 - L. 6 m
	TFDS075009		Double layer TFDS hose Ø 75 - L. 9 m
	TFDS100003		Double-layer TFDS hose Ø 100 - L. 3 m
	TFDS100006		Double-layer TFDS hose Ø 100 - L. 6 m
	TFDS100009		Double-layer TFDS hose Ø 100 - L. 9 m
	TFDS125003		Double-layer TFDS hose Ø 125 - L. 3 m
	TFDS125006		Double-layer TFDS hose Ø 125 - L. 6 m
	TFDS125009		Double-layer TFDS hose Ø 125 - L. 9 m
	TFDS150003		Double-layer TFDS hose Ø 150 - L. 3 m
	TFDS150006		Double-layer TFDS hose Ø 150 - L. 6 m
	TFDS150009		Double-layer TFDS hose Ø 150 - L. 9 m

OM1100

FLOOR-MOUNTED EXHAUST GAS EXTRACTION SYSTEMS

ACCESSORIES

Ertalon couplings for quick release/connection	Code	Description
	AREMB075	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 75 mm
	AREFT075	Ertalon quick coupling - female half coupling - for hose Ø 75 mm
	AREMT075	Ertalon quick coupling - male half coupling - for hose Ø 75 mm (for pipe extension)
	AREMB100	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 100 mm
	AREFT100	Ertalon quick coupling - female half coupling - for hose Ø 100 mm
	AREMT100	Ertalon quick coupling - male half coupling - for hose Ø 100 mm (for pipe extension)
	AREMB125	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 125 mm
	AREFT125	Ertalon quick coupling - female half coupling - for hose Ø 125 mm
	AREMT125	Ertalon quick coupling - male half coupling - for hose Ø 125 mm (for pipe extension)
	AREMB150	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 150 mm
	AREFT150	Ertalon quick coupling - female half coupling - for hose Ø 150 mm
	AREMT150	Ertalon quick coupling - male half coupling - for hose Ø 150 mm (for pipe extension)

Galvanised steel couplings with quick release/connection clamps	Code	Description
	ARZP1F	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Female
	ARZP1M	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Male
	ARZP2F	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Female
	ARZP2M	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Male
	ARZP3F	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Female
	ARZP3M	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Male

ACCESSORIES

Galvanised steel couplings with bayonet for quick release/ connection	Code	Description
	ARZB1F	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Female
	ARZB1M	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Male
	ARZB2F	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Female
	ARZB2M	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Male
	ARZB3F	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Female
	ARZB3M	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Male

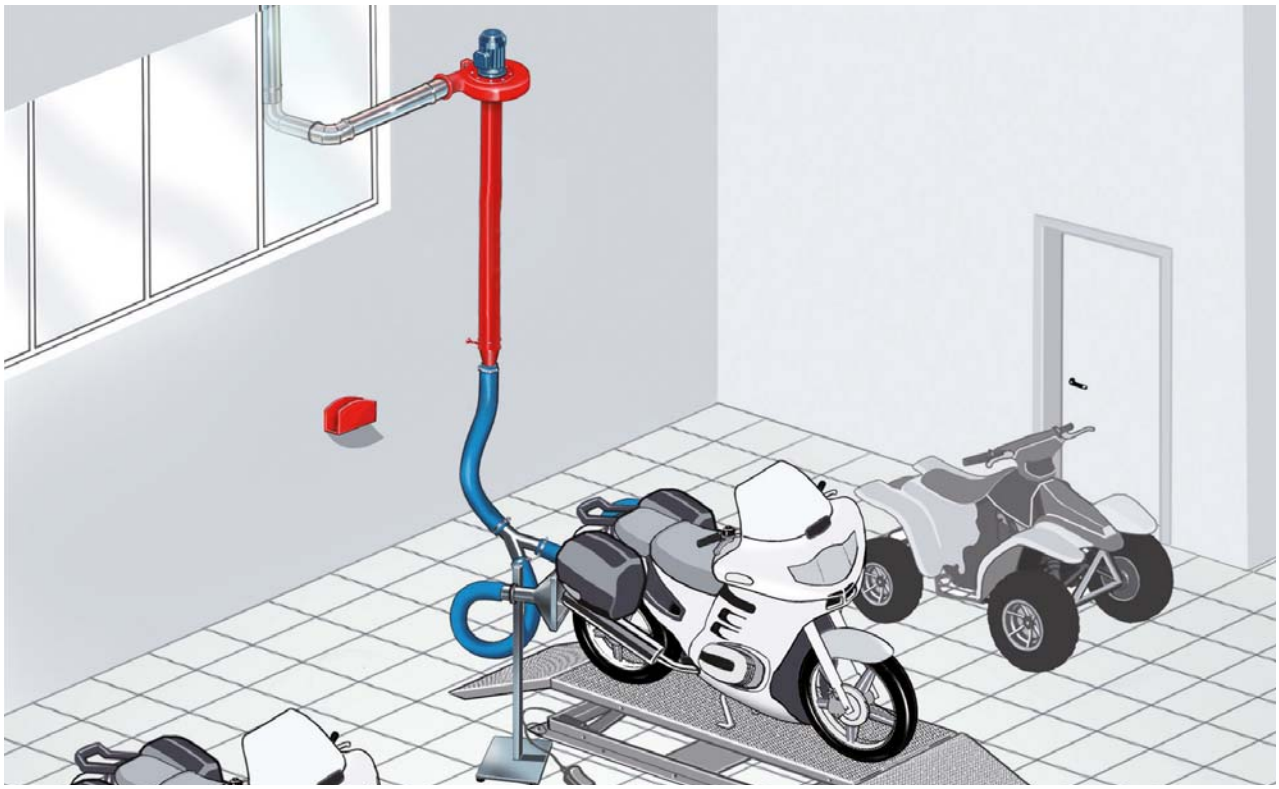
NOZZLES AND POSITIONERS

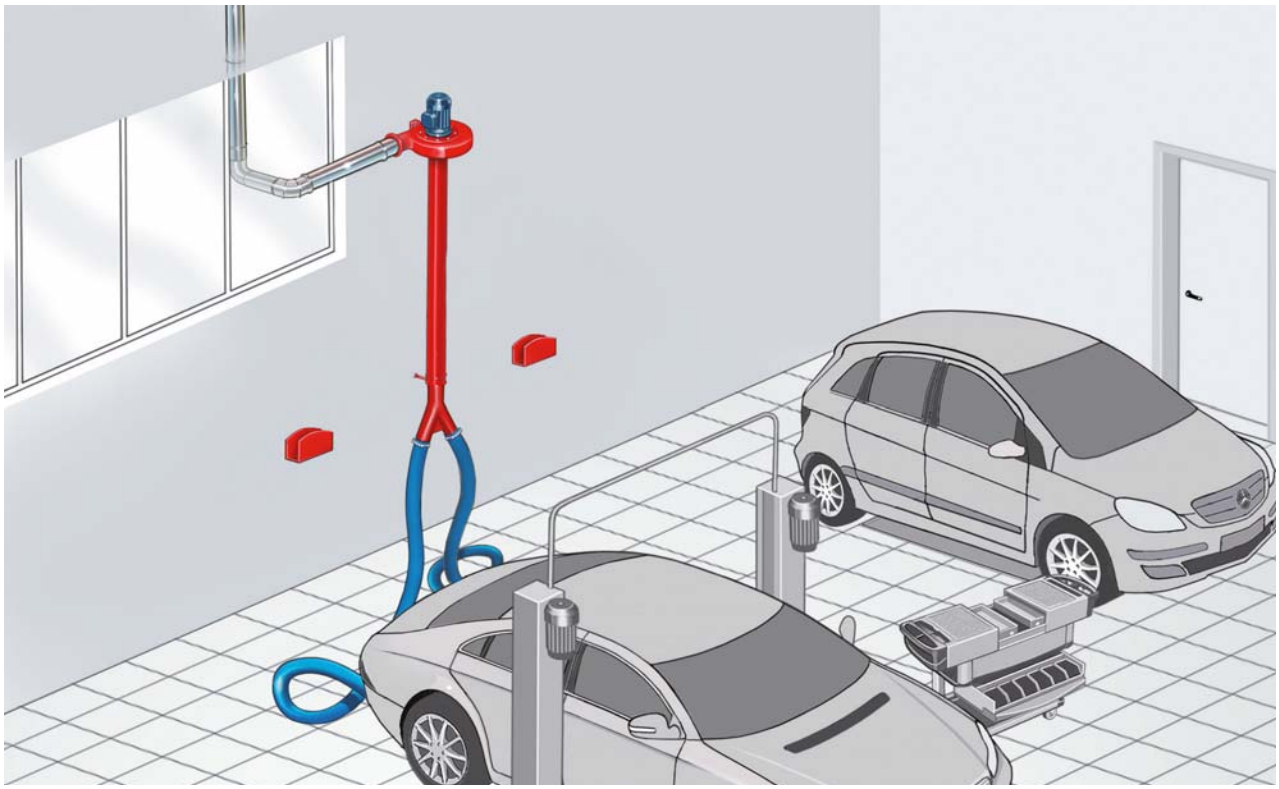
For nozzle selection, please refer to the section on Page 115

								
0MB01	0MB02	0MB03	0MB04	0MB05	0MB06	0MB07	0MB08	0MB09

									
0MB010	0MB011	0MB012	0MB013	0MB014	0MB015	0MB016	0MB017	0MB018	0MB019

Layout of car and van workshop systems with example of installation of our products and applications





WALL-MOUNTED EXTRACTION SYSTEMS

Exhaust Gas
Extraction Equipments

OM1200
WALL-MOUNTED EXTRACTOR FOR EXTRACTION OF GAS (SINGLE STATION) Page 88

OM1300
WALL-MOUNTED EXTRACTOR FOR EXTRACTION OF GAS (DOUBLE STATION) Page 93

OM1400
WALL-MOUNTED EXTRACTOR FOR EXTRACTION FUMES AND EXHAUST GAS OF SPECIAL VEHICLES (SINGLE STATION) Page 98

OM1500
WALL-MOUNTED EXTRACTOR FOR SPECIAL TESTS ON VEHICLES WITH FAP AND FAP REGENERATION WITH WORKING TEMPERATURES OF UP TO 400 °C Page 104

OM1600
WALL-MOUNTED EXTRACTOR FOR SPECIAL TESTS ON VEHICLES SUBJECTED TO THE POWER TEST (DYNO) WITH WORKING TEMPERATURES UP TO 1000 °C Page 107

OM1200

WALL EXTRACTOR FOR GAS EXTRACTION (SINGLE STATION)

Applications


Ø 75


Ø 75


Ø 100

Use Exhaust gas extraction during motor test operations with the vehicle stationary

Assembly Wall mounting in acceptance areas or small workshops

DESCRIPTION
Systems for suction of gases with temperatures up to 90 °C. They are normally installed in acceptance and preparation areas or in small workshops lacking space or where there is no need for systems with winders or sliding extraction elements to cover a larger operating area.
The fan is equipped with a circular pipe connection on the air outlet.

CONSTRUCTION
The OM1200 use OM2100 high-performance centrifugal fans with forward blade impellers and directly coupled motors.
Supplied:
- rubber nozzles
- wall mounting brackets for rubber pipes during idle periods and TFA's anti-crushing rubber pipe connection fittings.

ADDED VALUES
Fan with low energy consumption and low noise impact; useful where smoke evacuation is direct.
Easy installation due to few components to assemble and provision of assembly manual.
Ease and simplicity of maintenance.
On request:
- electrical panel for extractor control and protection
- galvanised pipes kit for expulsion.

CERTIFICATIONS

CE UK CA

PACKAGING

Packaging volume 0.8 m^3 (120x80x80 cm)

TECHNICAL FEATURES AND DIMENSIONS

Performance data were measured with appropriate instruments in our workshops.

Model	Pipe length	Expulsion	Nozzle rubber	Extractor	Power	Speed	Voltage
	m	Ø mm	Model	Model	kW	RPM	V/Hz
OM1200075	5- 7.5 -10	160 L	OMB01075	OM2110	1.1	2850	230/50
OM1200100	5- 7.5 -10	160 L	OMB01100	OM2110	1.1	2850	230/50

OM1200 WITH PIPING, NOZZLE AND BRACKETS

OM1200 Ø 75

Model	Code	Description	Power kW	Flow rate m³/h	Supply V/Hz
	OM120007505	Wall-mounted extractor with TFA pipe Ø 75 mm - L. 5 m - rubber nozzle - wall-mounted support brackets	1.1	450	230/1/50
	OM120007575	Wall-mounted extractor with TFA pipe Ø 75 mm - L. 7.5 m - rubber nozzle - wall-mounted support brackets	1.1	450	230/1/50
	OM120007510	Wall-mounted extractor with TFA pipe Ø 75 mm - L. 10 m - rubber nozzle - wall-mounted support brackets	1.1	450	230/1/50

OM1200 Ø 100

Model	Code	Description	Power kW	Flow rate m³/h	Supply V/Hz
	OM120010005	Wall-mounted extractor with TFA pipe Ø 100 mm - 5 m - rubber nozzle - wall-mounted support brackets	1.1	700	230/1/50
	OM120010075	Wall-mounted extractor with TFA pipe Ø 100 mm - L. 7.5 m - rubber nozzle - wall-mounted support brackets	1.1	700	230/1/50
	OM120010010	Wall-mounted extractor with TFA pipe Ø 100 mm - L. 10 m - rubber nozzle - wall-mounted support brackets	1.1	700	230/1/50

ACCESSORIES

4-pole isolating switch	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm

Pipe clamps	Code	Description
	FS070090	Pipe clamp Ø 70-90 mm - stainless steel
	FS090110	Pipe clamp Ø 90-110 mm - stainless steel
	FS120140	Pipe clamp Ø 120-140 mm - stainless steel
	FS140160	Pipe clamp Ø 140-160 mm - stainless steel

OM1200

WALL EXTRACTOR FOR GAS EXTRACTION
(SINGLE STATION)

ACCESSORIES

Ertalon couplings for quick release/connection	Code	Description
	AREMB075	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 75 mm
	AREFT075	Ertalon quick coupling - female half coupling - for hose Ø 75 mm
	AREMT075	Ertalon quick coupling - male half coupling - for hose Ø 75 mm (for pipe extension)
	AREMB100	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 100 mm
	AREFT100	Ertalon quick coupling - female half coupling - for hose Ø 100 mm
	AREMT100	Ertalon quick coupling - male half coupling - for hose Ø 100 mm (for pipe extension)
	AREMB125	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 125 mm
	AREFT125	Ertalon quick coupling - female half coupling - for hose Ø 125 mm
	AREMT125	Ertalon quick coupling - male half coupling - for hose Ø 125 mm (for pipe extension)
	AREMB150	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 150 mm
	AREFT150	Ertalon quick coupling - female half coupling - for hose Ø 150 mm
	AREMT150	Ertalon quick coupling - male half coupling - for hose Ø 150 mm (for pipe extension)

Galvanised steel couplings with quick release/connection clamps	Code	Description
	ARZP1F	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Female
	ARZP1M	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Male
	ARZP2F	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Female
	ARZP2M	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Male
	ARZP3F	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Female
	ARZP3M	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Male

ACCESSORIES

Galvanised steel couplings with bayonet for quick release/ connection	Code	Description
	ARZB1F	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Female
	ARZB1M	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Male
	ARZB2F	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Female
	ARZB2M	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Male
	ARZB3F	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Female
	ARZB3M	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Male

Wall-mounted shelf	Code	Description
	MMS	Single wall bracket for TFA piping
	MMD	Double wall bracket for TFA piping

SPARE PARTS

Fan*	Code	Description
	OM1200V1	Extractor OM2110 - 1.1kW 2P 230/1/50Hz for OM1200
	OM1200V2	Extractor OM2110 - 1.1kW 2P 400/3/50-60Hz for OM1200

* Standard outlet Ø 158 mm for hose Ø 160 mm

Anti-crushing hose	Code		Description	
	TFA075050		TFA anti-crushing hose Ø 75	L. 5 m
	TFA075075		TFA anti-crushing hose Ø 75	L. 7.5 m
	TFA075010		TFA anti-crushing hose Ø 75	L. 10 m
	TFA100050		TFA anti-crushing hose Ø 100	L. 5 m
	TFA100075		TFA anti-crushing hose Ø 100	L. 7.5 m
	TFA100010		TFA anti-crushing hose Ø 100	L. 10 m

0M1200

WALL EXTRACTOR FOR GAS EXTRACTION (SINGLE STATION)

NOZZLES AND POSITIONERS

For nozzle selection, please refer to the section on Page 115

0MB01	0MB02	0MB03	0MB04	0MB05	0MB06	0MB07	0MB08	0MB09

0MB010	0MB011	0MB012	0MB013	0MB014	0MB015	0MB016	0MB017	0MB018	0MB019

OM1300

WALL EXTRACTOR FOR GAS EXTRACTION (DOUBLE STATION)

Applications


Ø 75


Ø 75


Ø 100

Use Exhaust gas extraction during motor test operations with the vehicle stationary

Assembly Wall mounting in acceptance areas or small workshops

DESCRIPTION
Systems for suction of gases with temperatures up to 90 °C. They are normally installed in acceptance and preparation areas or in small workshops lacking space or where there is no need for systems with winders or sliding extraction elements to cover a larger operating area.
The fan is equipped with a circular pipe connection on the air outlet.

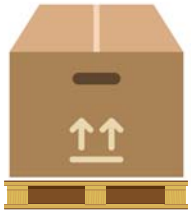
CONSTRUCTION
The OM1300 use OM2100 high-performance centrifugal fans with forward blade impellers and directly coupled motors.
Supplied:
- rubber nozzles
- wall mounting brackets for rubber pipes during idle periods and TFA's anti-crushing rubber pipe connection fittings.

ADDED VALUES
Fan with low energy consumption and low noise impact; useful where smoke evacuation is direct.
Easy installation due to few components to assemble and provision of assembly manual.
Ease and simplicity of maintenance.
On request:
- electrical panel for extractor control and protection
- galvanised pipes kit for expulsion.

CERTIFICATIONS

CE UKCA

PACKAGING



Packaging volume 0.9 m^3 (120x80x90 cm)

TECHNICAL FEATURES AND DIMENSIONS

Performance data were measured with appropriate instruments in our workshops.

Model	Pipe length	Expulsion	Nozzle rubber	Extractor	Power	Speed	Voltage
	m	Ø mm	Model	Model	kW	RPM	V/Hz
OM1300075	5- 7.5 -10	160 L	OMB01075	OM2120	1.5	2850	230/50
OM1300100	5- 7.5 -10	160 L	OMB01100	OM2120	1.5	2850	230/50

OM1300

WALL EXTRACTOR FOR GAS EXTRACTION
(DOUBLE STATION)

OM1300 WITH PIPING, NOZZLE AND BRACKETS

OM1300 Ø 75

Model	Code	Description	Power kW	Flow rate m^3/h	Supply V/Hz
	OM130007505	Wall-mounted extractor with TFA double pipe Ø 75 mm - L. 5 m - rubber nozzle - wall-mounted support brackets	1.5	900	230/1/50
	OM130007575	Wall-mounted extractor with TFA double pipe Ø 75 mm - L. 7.5 m - rubber nozzle - wall-mounted support brackets	1.5	900	230/1/50
	OM130007510	Wall-mounted extractor with TFA double pipe Ø 75 mm L. 10 m - rubber nozzle - wall-mounted support brackets	1.5	900	230/1/50

OM1300 Ø 100

Model	Code	Description	Power kW	Flow rate m^3/h	Supply V/Hz
	OM130010005	Wall-mounted extractor with TFA double pipe Ø 100 mm - L. 5 m - rubber nozzle - wall-mounted support brackets	1.5	1400	230/1/50
	OM130010075	Wall-mounted extractor with TFA double pipe Ø 100 mm - L. 7.5 m - rubber nozzle - wall-mounted support brackets	1.5	1400	230/1/50
	OM130010010	Wall-mounted extractor with TFA double pipe Ø 100 mm - L. 10 m - rubber nozzle - wall-mounted support brackets	1.5	1400	230/1/50

ACCESSORIES

4-pole isolating switch	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm

Pipe clamps	Code	Description
	FS070090	Pipe clamp Ø 70-90 mm - stainless steel
	FS090110	Pipe clamp Ø 90-110 mm - stainless steel
	FS120140	Pipe clamp Ø 120-140 mm - stainless steel
	FS140160	Pipe clamp Ø 140-160 mm - stainless steel

ACCESSORIES

Ertalon couplings for quick release/connection	Code	Description
	AREMB075	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 75 mm
	AREFT075	Ertalon quick coupling - female half coupling - for hose Ø 75 mm
	AREMT075	Ertalon quick coupling - male half coupling - for hose Ø 75 mm (for pipe extension)
	AREMB100	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 100 mm
	AREFT100	Ertalon quick coupling - female half coupling - for hose Ø 100 mm
	AREMT100	Ertalon quick coupling - male half coupling - for hose Ø 100 mm (for pipe extension)
	AREMB125	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 125 mm
	AREFT125	Ertalon quick coupling - female half coupling - for hose Ø 125 mm
	AREMT125	Ertalon quick coupling - male half coupling - for hose Ø 125 mm (for pipe extension)
	AREMB150	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 150 mm
	AREFT150	Ertalon quick coupling - female half coupling - for hose Ø 150 mm
	AREMT150	Ertalon quick coupling - male half coupling - for hose Ø 150 mm (for pipe extension)

Galvanised steel couplings with quick release/connection clamps	Code	Description
	ARZP1F	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Female
	ARZP1M	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Male
	ARZP2F	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Female
	ARZP2M	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Male
	ARZP3F	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Female
	ARZP3M	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Male

OM1300

WALL EXTRACTOR FOR GAS EXTRACTION
(DOUBLE STATION)

ACCESSORIES

Galvanised steel couplings with bayonet for quick release/ connection	Code	Description
	ARZB1F	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Female
	ARZB1M	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Male
	ARZB2F	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Female
	ARZB2M	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Male
	ARZB3F	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Female
	ARZB3M	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Male

Wall-mounted shelf	Code	Description
	MMS	Single wall bracket for TFA piping
	MMD	Double wall bracket for TFA piping

SPARE PARTS

Fan*	Code	Description
	OM1300V1	Electric fan model OM2120 kW 1.5 230/1/50 for OM1300
	OM1300V2	Electric fan model OM2120 kW 1.5 400/3/50-60 for OM1300

* Standard outlet Ø 158 mm for hose Ø 160 mm

Anti-crushing hose	Code		Description
	TFA075050		TFA anti-crushing hose Ø 75 L. 5 m
	TFA075075		TFA anti-crushing hose Ø 75 L. 7.5 m
	TFA075010		TFA anti-crushing hose Ø 75 L. 10 m
	TFA100050		TFA anti-crushing hose Ø 100 L. 5 m
	TFA100075		TFA anti-crushing hose Ø 100 L. 7.5 m
	TFA100010		TFA anti-crushing hose Ø 100 L. 10 m

NOZZLES AND POSITIONERS

For nozzle selection, please refer to the section on Page 115

0MB01	0MB02	0MB03	0MB04	0MB05	0MB06	0MB07	0MB08	0MB09

0MB010	0MB011	0MB012	0MB013	0MB014	0MB015	0MB016	0MB017	0MB018	0MB019

OM1400

WALL-MOUNTED EXTRACTOR FOR GAS EXTRACTION FROM SPECIAL VEHICLES (SINGLE STATION)

Applications


Ø 125


Ø 150


Ø 150

Use Exhaust gas extraction during motor test operations with the vehicle stationary

Assembly Wall mounting in acceptance areas or small workshops

DESCRIPTION
Systems for suction of gases with temperatures up to 120 °C.
They are normally installed in acceptance and preparation areas or in small workshops lacking space or where there is no need for systems with winders or sliding extraction elements to cover a larger operating area.
The fan is equipped with a circular pipe connection on the air outlet.
Recommended installation height: 2.5-3 m.

CONSTRUCTION
The OM1400s use painted steel fans and thick backward blade steel impellers for smoke and exhaust gas extraction.
Supplied:
- rubber nozzles
- wall mounting brackets for rubber pipes during idle periods and TFA's anti-crushing rubber pipe connection fittings.

ADDED VALUES
The equipment is used in the heavy goods vehicles sector with high concentration loads and dusty flow quantities with very high stack expulsion sections (avoiding section changes and bottlenecks).
The TFA rubber hoses are connected to the extractor suction nozzle with galvanised sheet metal fittings and the system is supplied with accessories (excluding chimney) and an oversized bracket for hose.

CERTIFICATIONS

CE UKCA

PACKAGING

Packaging volume 1 m^3 (120x80x105 cm)

TECHNICAL FEATURES AND DIMENSIONS

Performance data were measured with appropriate instruments in our workshops.

Model	Pipe length	Expulsion	Rubber nozzle/s	Extractor	Power	Speed	Voltage
	m	Ø mm	Model	Model	kW	RPM	V/Hz
OM1400125	10 - 15	200 R	OMB02125180	OM1828	0.75	2850	400/3/50-60
OM1400150	10 - 15	200 R	OMB02150180	OM1828	0.75	2850	400/3/50-60

OM1400 WITH PIPE AND NOZZLE

OM1400 Ø 125

Model	Code	Description	Power kW	Flow rate m^3/h	Supply V/Hz
	OM140012510	Wall-mounted extractor with TFA pipe Ø 125 mm - L. 10 m - rubber nozzle - wall brackets	0.75	1100	400/3/50-60
	OM1400125125	Wall-mounted extractor with TFA pipe Ø 125 mm - L. 12.5 m - rubber nozzle - wall-mounted support brackets	0.75	1100	400/3/50-60
	OM140012515	Wall-mounted extractor with TFA pipe Ø 125 mm - L. 15 m - rubber nozzle - wall-mounted support brackets	0.75	1100	400/3/50-60

OM1400 Ø 150

Model	Code	Description	Power kW	Flow rate m^3/h	Supply V/Hz
	OM140015010	Wall-mounted extractor with TFA pipe Ø 150 mm - L. 10 m - rubber nozzle - wall-mounted support brackets	0.75	1700	400/3/50-60
	OM1400150125	Wall-mounted extractor with TFA pipe Ø 150 mm - L. 12.5 m - rubber nozzle - wall-mounted support brackets	0.75	1700	400/3/50-60
	OM140015015	Wall-mounted extractor with TFA pipe Ø 150 mm - L. 15 m - rubber nozzle - wall-mounted support brackets	0.75	1700	400/3/50-60

0M1400

WALL-MOUNTED EXTRACTOR FOR GAS EXTRACTION FROM SPECIAL VEHICLES
(SINGLE STATION)

ACCESSORIES

4-pole isolating switch	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm

Pipe clamps	Code	Description
	FS120140	Hose clamp Ø 120-140 mm - Special stainless steel
	FS140160	Hose clamp Ø 140-160 mm - Special stainless steel

Ertalon couplings for quick release/connection	Code	Description
	AREMB075	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 75 mm
	AREFT075	Ertalon quick coupling - female half coupling - for hose Ø 75 mm
	AREMT075	Ertalon quick coupling - male half coupling - for hose Ø 75 mm (for pipe extension)
	AREMB100	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 100 mm
	AREFT100	Ertalon quick coupling - female half coupling - for hose Ø 100 mm
	AREMT100	Ertalon quick coupling - male half coupling - for hose Ø 100 mm (for pipe extension)
	AREMB125	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 125 mm
	AREFT125	Ertalon quick coupling - female half coupling - for hose Ø 125 mm
	AREMT125	Ertalon quick coupling - male half coupling - for hose Ø 125 mm (for pipe extension)
	AREMB150	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 150 mm
	AREFT150	Ertalon quick coupling - female half coupling - for hose Ø 150 mm
	AREMT150	Ertalon quick coupling - male half coupling - for hose Ø 150 mm (for pipe extension)

ACCESSORIES

Galvanised steel couplings with quick release/connection clamps	Code	Description
	ARZP1F	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Female
	ARZP1M	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Male
	ARZP2F	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Female
	ARZP2M	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Male
	ARZP3F	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Female
	ARZP3M	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Male

Galvanised steel couplings with bayonet for quick release/ connection	Code	Description
	ARZB1F	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Female
	ARZB1M	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Male
	ARZB2F	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Female
	ARZB2M	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Male
	ARZB3F	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Female
	ARZB3M	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Male

OM1400

WALL-MOUNTED EXTRACTOR FOR GAS EXTRACTION FROM SPECIAL VEHICLES
(SINGLE STATION)

ACCESSORIES

Wall-mounted bracket	Code	Description
	MMS	Single wall bracket for TFA piping
	MMD	Double wall bracket for TFA piping

SPARE PARTS

Anti-crushing hose	Code		Description
	TFA125010		TFA anti-crushing hose Ø 125 L. 10 m
	TFA125125		TFA anti-crushing hose Ø 125 L. 12.5 m
	TFA125015		TFA anti-crushing hose Ø 125 L. 15 m
	TFA150010		TFA anti-crushing hose Ø 150 L. 10 m
	TFA150125		TFA anti-crushing hose Ø 150 L. 12.5 m
	TFA150015		TFA anti-crushing hose Ø 150 L. 15 m

Fan OM1800	Code	Description
	OM1828T	Fan OM1800 280/2 - 0.75kW for OM1400

NOZZLES AND POSITIONERS

For nozzle selection, please refer to the section on Page 115

								
0MB01	0MB02	0MB03	0MB04	0MB05	0MB06	0MB07	0MB08	0MB09

									
0MB010	0MB011	0MB012	0MB013	0MB014	0MB015	0MB016	0MB017	0MB018	0MB019

OM1500

WALL-MOUNTED EXTRACTOR FOR SPECIAL TESTS ON VEHICLES WITH FAP AND FAP REGENERATION WITH OPERATING TEMPERATURES UP TO 400 °C.

Applications

Use Exhaust gas extraction during motor test operations with the vehicle stationary

Assembly Wall mounting in acceptance areas or small workshops

DESCRIPTION
Systems for suction of gases with temperatures up to 400 °C.
They are normally installed in acceptance and preparation areas or in small workshops lacking space or where there is no need for systems with winders or sliding extraction elements to cover a larger operating area.

CONSTRUCTION
The OM1500s use special fans and piping to extract smoke and exhaust gases emitted during engine testing and FAP (Particulate Filter) regeneration.
These systems are to be connected to special nozzles with positioners in order to avoid direct connection to drains (for temperature reasons).

ADDED VALUES
Extractor in hot gas version, with additional cooling fan on the electric motor and external protection grille.
On request:
- electric motors with special voltages.

CERTIFICATIONS

CE UKCA

PACKAGING

Packaging volume 1 m^3 (120x80x105 cm)

TECHNICAL FEATURES AND DIMENSIONS

Performance data were measured with appropriate instruments in our workshops.

Model	Extractor Model	Power kW	Speed RPM	Tot. flow rate m^3/h	Fan output Ø mm	Maximum temperature °C
OM1500	OM1900	2.2	2840	1600	200	400

OM1500 WITH PIPING

Code	Description	Power kW	Flow rate m^3/h	Supply V/Hz
OM1500T	Wall-mounted extractor for special tests on FAP vehicles - Pipe Ø 150 mm - L. 7.5 m	2.2	1600	400/3/50-60

ACCESSORIES

4-pole isolating switch	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm

Pipe clamps	Code	Description
	FS140160	Pipe clamp Ø 140-160 mm - stainless steel

Wall-mounted bracket	Code	Description
	MMS	Single wall bracket for TFA piping
	MMD	Double wall bracket for TFA piping

SPARE PARTS

Hose resistant to high temperatures	Code	Description
	TFAG2150075	TFAG2 hose 400 °C resistant - Ø 150 mm L. 7.5 m

Fan OM1900	Code	Description
	OM1931T	Fan OM1931 - 2.2kW 400V/3f/50Hz hot gas version 300 °C

0M1500

WALL-MOUNTED EXTRACTOR FOR SPECIAL TESTS ON VEHICLES WITH FAP AND FAP REGENERATION WITH OPERATING TEMPERATURES UP TO 400 °C

NOZZLES AND POSITIONERS

For nozzle selection, please refer to the section on Page 115

								
0MB01	0MB02	0MB03	0MB04	0MB05	0MB06	0MB07	0MB08	0MB09

									
0MB010	0MB011	0MB012	0MB013	0MB014	0MB015	0MB016	0MB017	0MB018	0MB019

OM1600

WALL-MOUNTED EXTRACTOR FOR SPECIAL TESTS ON VEHICLES SUBJECTED TO THE POWER TEST (DYNO) WITH OPERATING TEMPERATURES UP TO 1000 °C

Applications

Use Exhaust gas extraction during motor test operations with the vehicle stationary

Assembly Wall mounting in acceptance areas or small workshops

DESCRIPTION
Systems for suction of gases with temperatures up to 1000 °C.
They are normally installed in acceptance and preparation areas or in small workshops lacking space or where there is no need for systems with winders or sliding extraction elements to cover a larger operating area.

CONSTRUCTION
The OM1600s use special fans and piping to draw smoke and exhaust gases emitted during power test operations (DYNO) with working temperatures of up to 1000 °C.
These systems are to be connected to special nozzles with positioners in order to avoid direct connection to drains (for temperature reasons).

ADDED VALUES
Extractor in hot gas version, with additional cooling fan on the electric motor and external protection grille.
On request:
- electric motors with special voltages.

CERTIFICATIONS

CE UKCA

PACKAGING

Packaging volume 1 m^3 (120x80x105 cm)

TECHNICAL FEATURES AND DIMENSIONS

Performance data were measured with appropriate instruments in our workshops.

Model	Extractor Model	Power kW	Speed RPM	Tot. flow rate m^3/h	Fan output Ø mm	Maximum temperature °C
OM1600	OM1900	3	2840	3000	300	1000

OM1600

WALL-MOUNTED EXTRACTOR FOR SPECIAL TESTS ON VEHICLES SUBJECTED
TO THE POWER TEST (DYNO) WITH OPERATING TEMPERATURES UP TO 1000 °CTO THE POWER TEST (DYNO)
WITH WORKING TEMPERATURES UP TO 1000 °C

OM1600 WITH PIPING

Code	Description	Power kW	Flow rate m^3/h	Supply V/f/Hz
OM1600T	Wall-mounted extractor for power testing DYNO - Pipe Ø 150 mm - L. 7.5 m	3	3000	400/3/50-60

ACCESSORIES

4-pole isolating switch	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm

Pipe clamps	Code	Description
	FS140160	Pipe clamp Ø 140-160 mm - stainless steel

Wall-mounted bracket	Code	Description
	MMS	Single wall bracket for TFA piping
	MMD	Double wall bracket for TFA piping

SPARE PARTS

Hose resistant to high temperatures	Code	Description
	TFAG3150075	TFAG3 hose 1000 °C resistant - Ø 150 mm - L. 7.5 m

Fan OM1900	Code	Description
	OM1935T	Fan OM1935 - 3,0kW 00V/3h/50Hz hot gas version 300 °C

NOZZLES AND POSITIONERS

For nozzle selection, please refer to the section on Page 115


0MB01


0MB02


0MB03


0MB04


0MB05


0MB06


0MB07


0MB08


0MB09


0MB010


0MB011


0MB012


0MB013


0MB014


0MB015

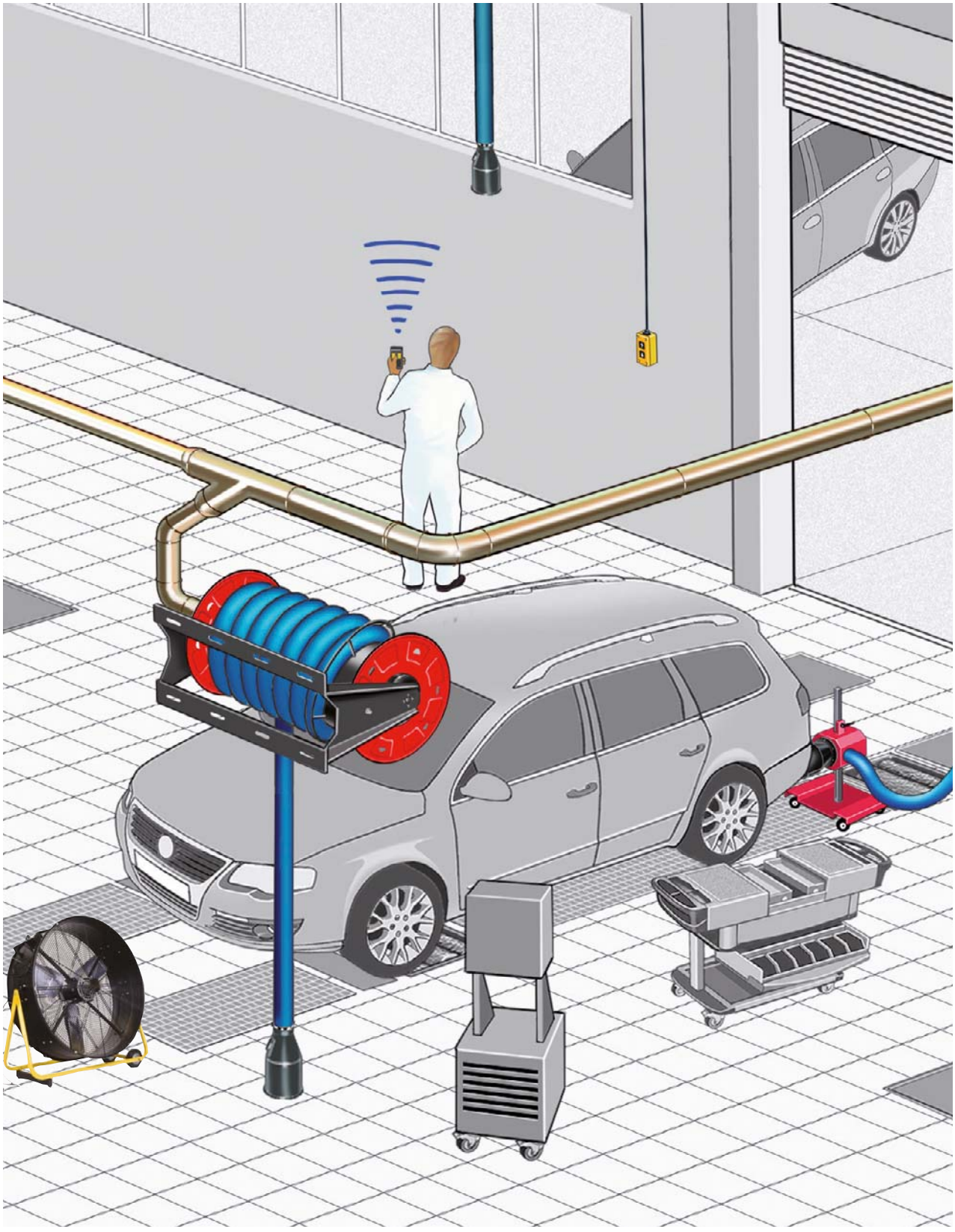

0MB016


0MB017


0MB018


0MB019

Layout of car and van workshop systems with example of installation of our products and applications



COOLING FANS

Exhaust Gas
Extraction Equipments

OM1700
COOLING FANS

Page 112

OM1700

COOLING FANS

Applications

AUTOMOTIVE

Use

In garages and automotive workshops to facilitate the engine cooling process

DESCRIPTION
Fans can be useful in garages and automotive workshops to counteract engine overheating in vehicles undergoing maintenance or during engine tests.

CONSTRUCTION
Axial fan.
Powder-coated frame.
Adjustable air flow, thin and long.
Each model has different types of air distribution.
360° rotation.

ADDED VALUES
Fan speed regulation.
Easy transport thanks to wheels and handles.

CERTIFICATIONS

CE UKCA

TECHNICAL FEATURES

Model	Air flow rate	Voltage	Protection rating	Absorption	Fan speed	Fan	Rotation
	m^3/h	V/Hz	IP	W	N.	Type	
OM17001	6600	230/50	44	98/100/107	3	Axial	360° horizontal and vertical
OM17002	10.200	230/50	44	280/315	2	Axial	360°
OM17003	13.200	230/50	20	392/412	2	Axial	360°

DIMENSIONS

OM17001

Ø external mm	Depth mm	Width mm	Height mm	Weight kg
500	200	690	675	9

OM17002

Ø external mm	Depth mm	Width mm	Height mm	Weight kg
750	350	910	935	32

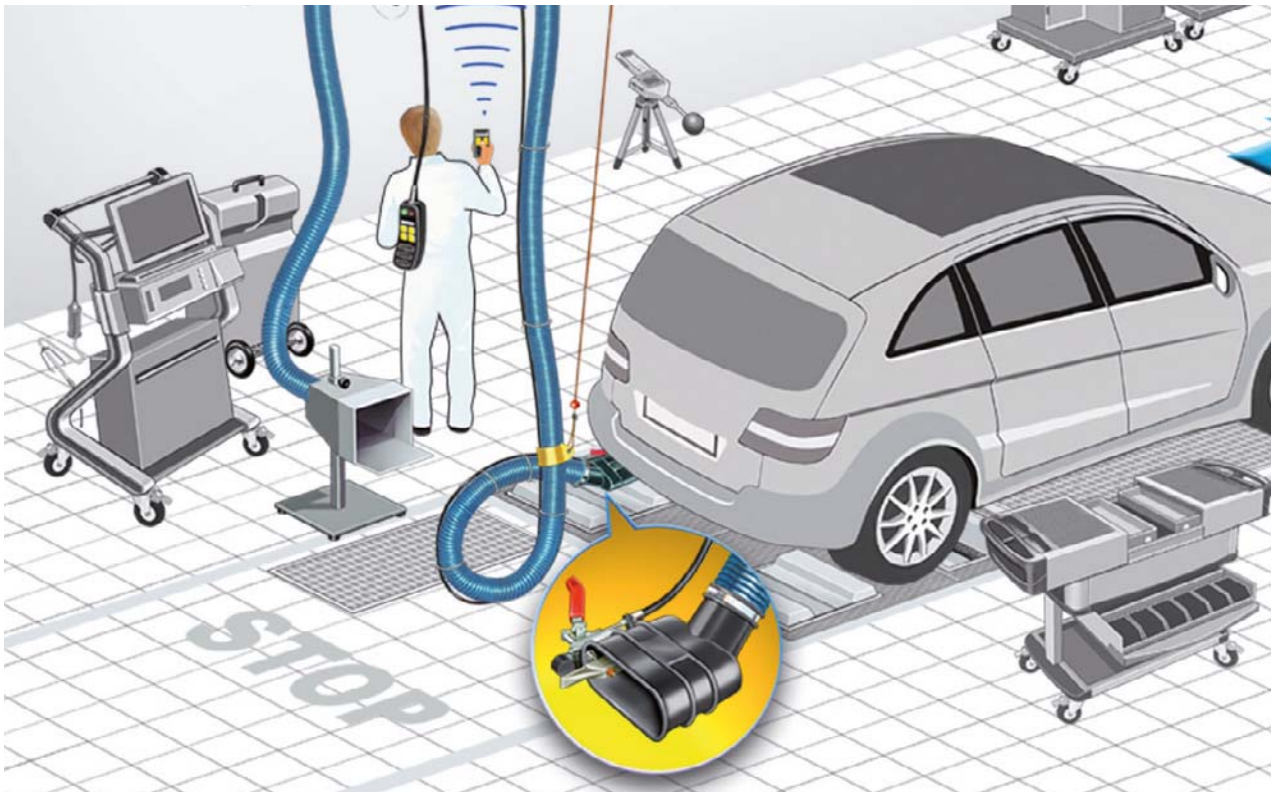
OM17003

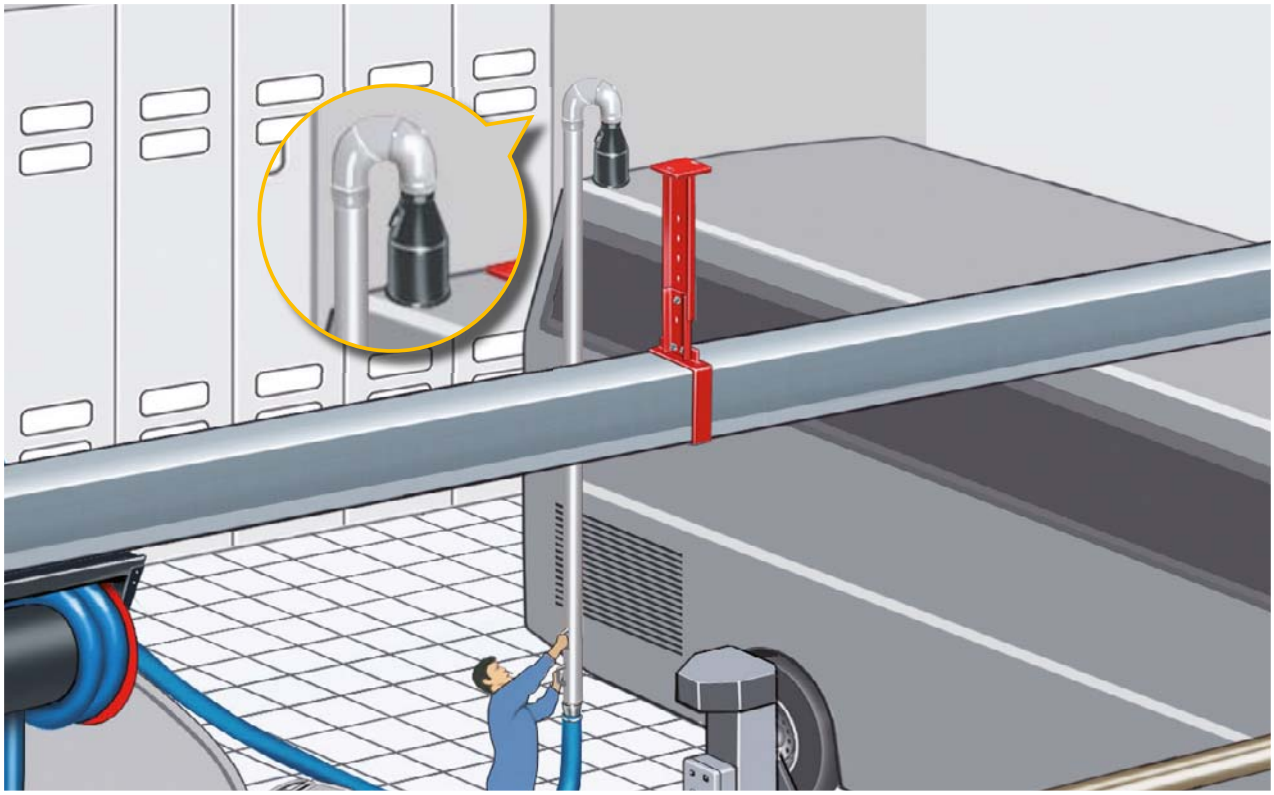
Ø external mm	Depth mm	Width mm	Height mm	Weight kg
900	380	1030	1100	41

DESCRIPTION

Code	Description
OM17001	Floor-standing helical fan Ø 500 mm - 230V/50Hz - 6600 m^3/h
OM17002	Floor-standing helical fan Ø 750 mm - 230V/50Hz - 10,200 m^3/h
OM17003	Floor-standing helical fan Ø 900 mm - 230V/50Hz - 13,200 m^3/h

Layout of car and van workshop systems with example of installation of our products and applications





EXHAUST GAS NOZZLES AND POSITIONERS

Exhaust Gas
Extraction Equipments

RUBBER NOZZLES

HIGH TEMPERATURE RESISTANT NEOPRENE RUBBER NOZZLES

Applications

Ø 75 | Ø 75 | Ø 100 | Ø 125 | Ø 150 | Ø 150

Use Connection of rubber hoses

DESCRIPTION
Rubber exhaust gas nozzles are used as a connection between the anti-crushing rubber pipe installed on winders or floor-mounted systems and the unloading of motor vehicles.

CONSTRUCTION
All models are made of neoprene rubber resistant to high temperatures due to direct contact with exhaust pipes, are soft and adaptable to large diameters, double exhausts and can be supplied with a clamp for clamping to the muffler or plugs with a self-supporting diaphragm and closing of the intake circuit.

ADDED VALUES
The wide choice makes it possible to determine the model with the most suitable features for the specific use. Special versions make it possible to solve problems required by special vehicles.

CERTIFICATIONS

CE UK CA

PACKAGING

Peso 2 kg
Volume imballo 0,02 m^3
(25x25x34 cm)

OMB01 RUBBER NOZZLES WITH CAP

DIMENSIONS



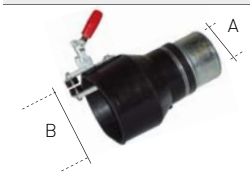

Model	Dimensions Ø mm A	B	Dimensions Ø mm A	B	Dimensions Ø mm A	B	Dimensions Ø mm A	B
OMB01075	75	140						
OMB01100			100	140				
OMB01125					125	140		
OMB01150							150	180

DESCRIPTION

Code	Description	
OMB01075140	Rubber nozzle Ø 75-140 mm	with CO fume inlet and diaphragm cap
OMB01100140	Rubber nozzle Ø 100-140 mm	with CO fume inlet and diaphragm cap
OMB01125140	Rubber nozzle Ø 125-140 mm	with CO fume inlet and diaphragm cap
OMB01150140	Rubber nozzle Ø 150-180 mm	with CO fume inlet and diaphragm cap

OMB02 RUBBER NOZZLES WITH CLAMP

DIMENSIONS







Model	Dimensions Ø mm A	B	Dimensions Ø mm A	B	Dimensions Ø mm A	B	Dimensions Ø mm A	B
OMB02	75	140	100	180	125	180	150	180

DESCRIPTION

Code	Description
OMB02075140	Rubber nozzle with manual release clamp Ø 75-140 mm with CO fume inlet
OMB02100140	Rubber nozzle with manual release clamp Ø 100-140 mm with CO fume inlet
OMB02125140	Rubber nozzle with manual release clamp Ø 125-140 mm with CO fume inlet
OMB02125180	Rubber nozzle with manual release clamp Ø 125-180 mm with CO fume inlet
OMB02150180	Rubber nozzle with manual release clamp Ø 150-180 mm with CO fume inlet

RUBBER NOZZLES

HIGH TEMPERATURE RESISTANT NEOPRENE RUBBER NOZZLES

OMB03 OVAL RUBBER NOZZLES

DIMENSIONS

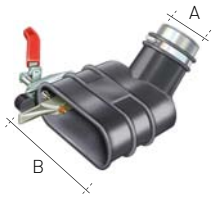
	Model	Dimensions Ø mm		Dimensions Ø mm	
		A	B	A	B
	OMB03075	75	145		
	OMB03100			100	145

DESCRIPTION

Code	Description
OMB03075140	Oval rubber nozzle Ø 75-140 mm
OMB03100140	Oval rubber nozzle Ø 100-140 mm

OMB04 INCLINED OVAL RUBBER NOZZLES WITH CLAMP

DIMENSIONS

	Model	Dimensions Ø mm		Dimensions Ø mm	
		A	B	A	B
	OMB04075	75	150		
	OMB04100			100	150

DESCRIPTION

Code	Description
OMB04075150	60° inclined oval rubber nozzle + 75-150 mm clamp
OMB04100150	60° inclined oval rubber nozzle + 100-150 mm clamp

SPECIAL NOZZLES AND POSITIONERS

Applications



Ø 75



Ø 75



Ø 100



Ø 125



Ø 150



Ø 150

Use

Connection of rubber hoses

DESCRIPTION

Special nozzles are used as a connection between the anti-crushing rubber pipe installed on winders or floor-mounted systems and the unloading of motor vehicles.
They allow the suction circuit to be closed when the system is not in operation due to technical stops, optimising centralised suction and consequent energy consumption.

CONSTRUCTION

All models are made of steel or rubber to ensure tightness at high temperatures in contact with vehicle exhausts.

ADDED VALUES

They connect rubber hoses of gas intake systems to the exhausts, especially in the automotive sector, for better adaptation to the new-generation mufflers integrated in the bodies of different car manufacturers.
The wide range in the catalogue covers all market requirements.

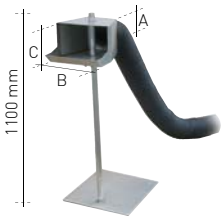
CERTIFICATIONS

CE UKCA

SPECIAL NOZZLES AND POSITIONERS

OMB05 GALVANISED STEEL NOZZLES WITH POSITIONER

DIMENSIONS








Model	Dimensions Ø mm			Dimensions Ø mm			Dimensions Ø mm			Dimensions Ø mm			Dimensions Ø mm		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
0MB05075	75	100	120	75	100	120									
0MB05100							100	200	120						
0MB05125										125	270	170			
0MB05150													125	270	170
0MB05200													200	360	240

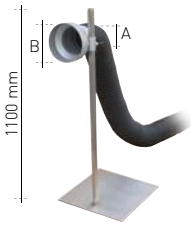
DESCRIPTION

Code	Description
0MB05075	Rectangular galvanised steel nozzle 0MB05075 with base and rod for pipes Ø 75 mm
0MB05100	Rectangular galvanised steel nozzle 0MB05100 with base and rod for pipes Ø 100 mm
0MB05125	Rectangular galvanised steel nozzle 0MB05125 with base and rod for pipes Ø 125 mm
0MB05150	Rectangular galvanised steel nozzle 0MB05150 with base and rod for pipes Ø 150 mm
0MB05200	Rectangular galvanised steel nozzle 0MB05200 with base and rod for pipes Ø 200 mm

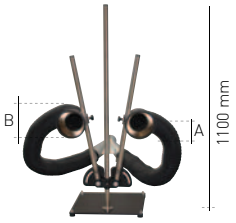
OMB06 PAINTED STEEL NOZZLES WITH POSITIONER

DIMENSIONS

Model	Dimensions Ø mm	
0MB06075180 - 0MB06100180	A	B
	75	180x1



Model	Dimensions Ø mm	
0M5000P0	A	B
	75	180x2

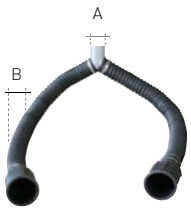


DESCRIPTION

Code	Description
0MB06075180	Painted steel circular nozzle with positioner Ø 75-180 mm
0MB06100180	Painted steel circular nozzle with positioner Ø 100-180 mm
0M5000P0	Pantograph positioner maximum opening 1800 mm, with Ø 160 nozzle and 2 pieces of TFA Ø 100 L. 1.25 m

OMB07 VEHICLE NOZZLE WITH DUAL OUTLET

DIMENSIONS



Model	Dimensions Ø mm A	Dimensions Ø mm B	Dimensions Ø mm A	Dimensions Ø mm B	Dimensions Ø mm A	Dimensions Ø mm B
OMB07075KIT	75	120				
OMB07125KIT			125	160		
OMB07150KIT					150	180

DESCRIPTION

Code	Description	
OMB07075KIT	Dual car exhaust gas extraction kit	- pipe Ø 75 mm + nozzle
OMB07100KIT	Dual car exhaust gas extraction kit	- pipe Ø 100 mm + nozzle
OMB07125KIT	Dual car exhaust gas extraction kit	- pipe Ø 125 mm + nozzle
OMB07150KIT	Dual car exhaust gas extraction kit	- pipe Ø 150 mm + nozzle

OMB08 PAINTED STEEL NOZZLES WITH POSITIONER

DIMENSIONS

Model	Dimensions Ø mm A	Dimensions Ø mm A	Dimensions Ø mm A
OMB08100	100		
OMB08125		125	
OMB08150			150

DESCRIPTION

Code	Description
OMB08150	Nozzle with positioner for Ø 100 mm pipe
OMB08125	Nozzle with positioner for Ø 125 mm pipe
OMB08150	Nozzle with positioner for Ø 150 mm pipe

SPECIAL NOZZLES AND POSITIONERS

OMB09 SPECIAL NOZZLES FOR VERTICAL OUTLETS

DIMENSIONS AND DESCRIPTION

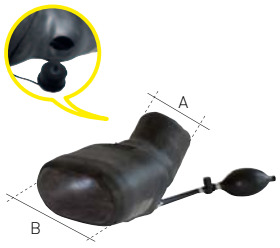
Model	Dimensions Ø mm A	Dimensions Ø mm B	Code	Description
OMB091	125	160	OMB0911	Galvanised nozzle OMB091 Ø 125-160 mm
OMB092	150	180	OMB0921	Galvanised nozzle OMB092 Ø 150-180 mm

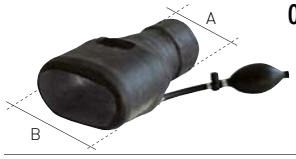
PNEUMATIC OVAL NOZZLE WITH 45° COUPLING (OMB010) AND WITH STRAIGHT COUPLING (OMB011)

DIMENSIONS




Model	Dimensions Ø mm A	Dimensions Ø mm B	Dimensions Ø mm A	Dimensions Ø mm B	Dimensions Ø mm A	Dimensions Ø mm B	Dimensions Ø mm A	Dimensions Ø mm B
OMB010155075	75	100	75	100				
OMB010155100					100	155	100	155
OMB011155100					100	155	100	155



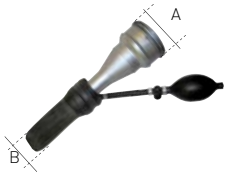


DESCRIPTION

Code	Description
OMB010155075	Rubber nozzle 45° 155/75 with pneumatic system and CO inlet for analysis
OMB010155100	Rubber nozzle 45° 155/100 with pneumatic system and CO inlet for analysis
OMB011155100	Straight rubber nozzle 155/100 with pneumatic system and CO inlet for analysis

OMB012 RUBBER NOZZLE WITH INTERNAL FASTENING

DIMENSIONS



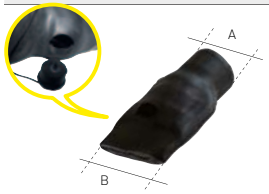
Model	 Dimensions Ø mm			 Dimensions Ø mm			 Dimensions Ø mm			 Dimensions Ø mm		
	A	B	Internal	A	B	Internal	A	B	Internal	A	B	Internal
OMB01207525	75	37-50	25	75	37-50	25						
OMB01210025							100	37-50	25	100	37-50	25
OMB01210032							100	51-60	32	100	51-60	32
OMB01212532										125	51-60	32

DESCRIPTION

Code	Description
OMB01207525	Rubber nozzle with pneumatic system 37-50/75 - Ø 25 mm inside nozzle
OMB01210025	Rubber nozzle with pneumatic system 37-50/100 - Ø 25 mm inside nozzle
OMB01210032	Rubber nozzle with pneumatic system 51-60/100 - Ø 32 mm inside nozzle
OMB01212532	Rubber nozzle with pneumatic system 51-60/125 - Ø 32 mm inside nozzle

OMB013 RUBBER WALLET NOZZLE

DIMENSIONS



Model	 Dimensions Ø mm		 Dimensions Ø mm		 Dimensions Ø mm		 Dimensions Ø mm	
	A	B	A	B	A	B	A	B
OMB013180075	75	180	75	180				
OMB013180100					100	180	100	180
OMB013180125					125	180	125	180

DESCRIPTION

Code	Description
OMB013180075	Rubber wallet nozzle 180/75 with CO fume inlet
OMB013180100	Rubber wallet nozzle 180/100 with CO fume inlet
OMB013180125	Rubber wallet nozzle 180/125 with CO fume inlet

SPECIAL NOZZLES AND POSITIONERS

OMB014 KEVLAR/RUBBER WALLET NOZZLE

DIMENSIONS

Model	 Dimensions Ø mm		 Dimensions Ø mm		 Dimensions Ø mm		 Dimensions Ø mm	
	A	B	A	B	A	B	A	B
OMB014075	75	75	75	75				
OMB014100			100	100	100	100		
OMB014125					125	180	125	180

DESCRIPTION

Code	Description
OMB014075	Rubber/kevlar wallet nozzle 75
OMB014100	Rubber/kevlar wallet nozzle 100
OMB014125	Rubber/kevlar wallet nozzle 125

OMB015 NOZZLE WITH CARBON FILTER

DIMENSIONS

Model	 Dimensions Ø mm		 Dimensions Ø mm		 Dimensions Ø mm	
	A	B	A	B	A	B
OMB015075	75	75				
OMB015100			100	100	100	100

DESCRIPTION

Code	Description
OMB015075	Nozzle with carbon filter Fumo Stop Ø 75 mm
OMB015100	Nozzle with carbon filter Fumo Stop Ø 100 mm

OMB016 OVAL RUBBER NOZZLE WITH INNER CLAMP

DIMENSIONS

	Model	Dimensions Ø mm		
		A	B	C
	OMB016	100	280	190

DESCRIPTION

Code	Description
OMB0161	Universal oval rubber nozzle OMB016 with inner clamp - for outlets Ø 35-70 mm - for pipe Ø 100 mm

OMB017 STAINLESS STEEL NOZZLE

DIMENSIONS




	Model	Dimensions Ø mm		Dimensions Ø mm		Dimensions Ø mm		Dimensions Ø mm	
		A	B	A	B	A	B	A	B
	OMB017075100	75	100	75	100				
	OMB017100140			100	140				
	OMB017125140					125	140		
	OMB017150180							150	180

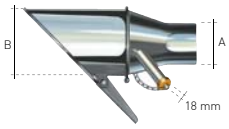
DESCRIPTION

Code	Description
OMB017075100	Stainless steel nozzle 75/100
OMB017100140	Stainless steel nozzle 100/140
OMB017125140	Stainless steel nozzle 125/140
OMB017150180	Stainless steel nozzle 150/180

SPECIAL NOZZLES AND POSITIONERS

OMB018 STAINLESS STEEL NOZZLE COMPLETE WITH FUME OUTLET AND CAP

DIMENSIONS



Model	 Dimensions Ø mm		 Dimensions Ø mm		 Dimensions Ø mm	
	A	B	A	B	A	B
0MB018075100	75	100	75	100		
0MB018100140					100	140

DESCRIPTION

Code	Description
0MB018075100	75/100 stainless steel nozzle complete with fume outlet and cap
0MB018100140	Stainless steel nozzle 100/140 complete with fume outlet and cap

OMB019 STEEL NOZZLE WITH CLAMP

DIMENSIONS

Model	 Dimensions Ø mm		 Dimensions Ø mm		 Dimensions Ø mm		 Dimensions Ø mm	
	A	B	A	B	A	B	A	B
0MB019100150	100	150						
0MB019125200			125	200				
0MB019150200					150	200		
0MB019200250							200	250

DESCRIPTION

Code	Description
0MB019100150	Nozzle with clamp OMB019 in galvanised steel for pipe Ø 100 mm - suction Ø 150 mm
0MB019125200	Nozzle with clamp OMB019 in galvanised steel for pipe Ø 125 mm - suction Ø 200 mm
0MB019150200	Nozzle with clamp OMB019 in galvanised steel for pipe Ø 150 mm - suction Ø 200 mnm
0MB019200250	Nozzle with clamp OMB019 in galvanised steel for pipe Ø 200 mm - suction Ø 250 mm

EURO-6 TRUCK NOZZLE WITH POSITIONER

DESCRIPTION

Truck nozzle EURO-6 standard	Code	Description
	BCEU6500	Truck mounted nozzle with EURO-6 compliant engine, complete with tray, wheels for positioning and height adjustment of 500 mm

ACCESSORIES

Ertalon couplings for quick release/connection	Code	Description
	AREMB075	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 75 mm
	AREFT075	Ertalon quick coupling - female half coupling - for hose Ø 75 mm
	AREMT075	Ertalon quick coupling - male half coupling - for hose Ø 75 mm (for pipe extension)
	AREMB100	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 100 mm
	AREFT100	Ertalon quick coupling - female half coupling - for hose Ø 100 mm
	AREMT100	Ertalon quick coupling - male half coupling - for hose Ø 100 mm (for pipe extension)
	AREMB125	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 125 mm
	AREFT125	Ertalon quick coupling - female half coupling - for hose Ø 125 mm
	AREMT125	Ertalon quick coupling - male half coupling - for hose Ø 125 mm (for pipe extension)
	AREMB150	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 150 mm
	AREFT150	Ertalon quick coupling - female half coupling - for hose Ø 150 mm
	AREMT150	Ertalon quick coupling - male half coupling - for hose Ø 150 mm (for pipe extension)

SPECIAL NOZZLES AND POSITIONERS

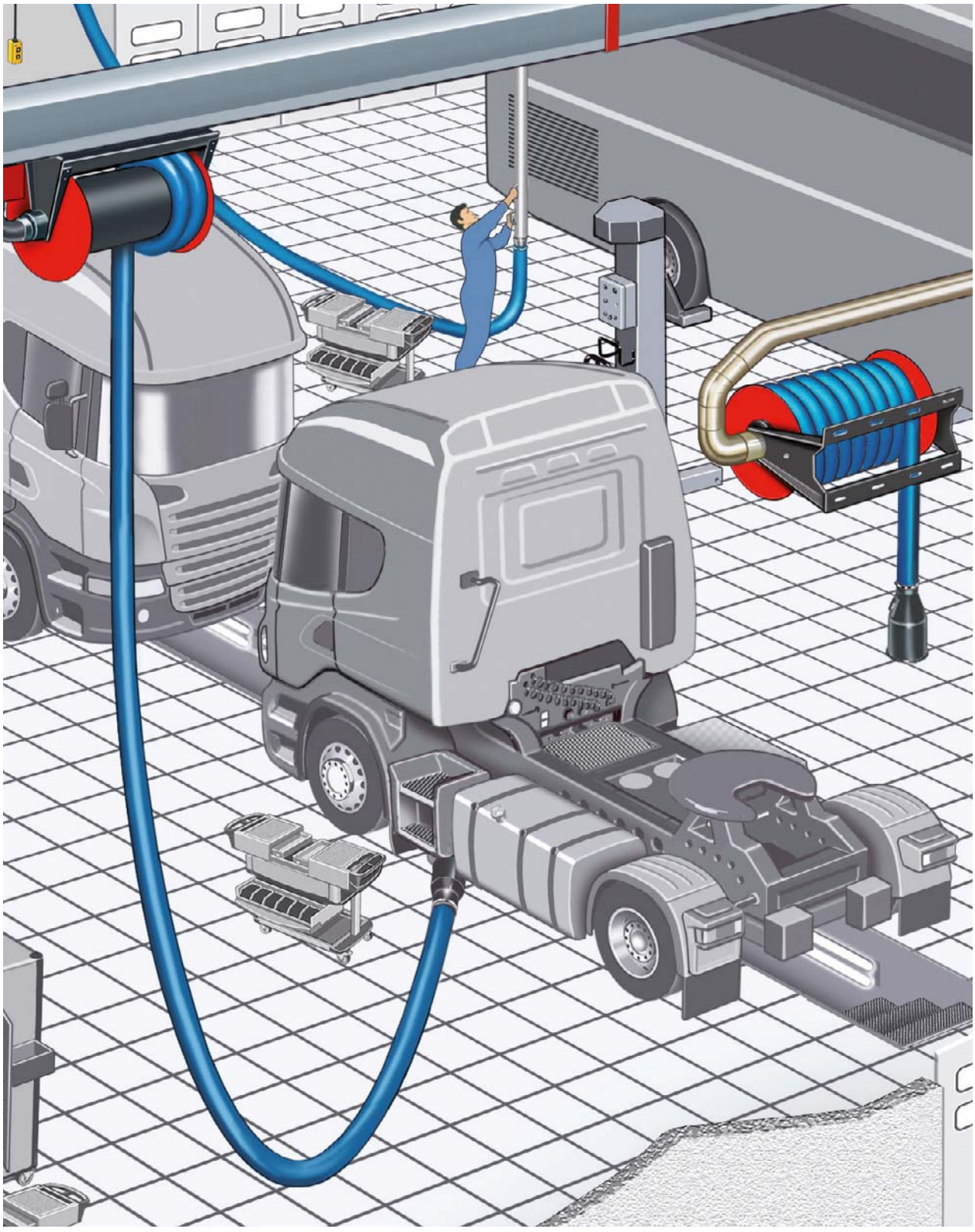
ACCESSORIES

Galvanised steel couplings with quick release/connection clamps	Code	Description
	ARZP1F	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Female
	ARZP1M	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Male
	ARZP2F	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Female
	ARZP2M	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Male
	ARZP3F	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Female
	ARZP3M	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Male

ACCESSORIES

Galvanised steel couplings with bayonet for quick release/ connection	Code	Description
	ARZB1F	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Female
	ARZB1M	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Male
	ARZB2F	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Female
	ARZB2M	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Male
	ARZB3F	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Female
	ARZB3M	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Male

Layout of car and van workshop systems with example of installation of our products and applications



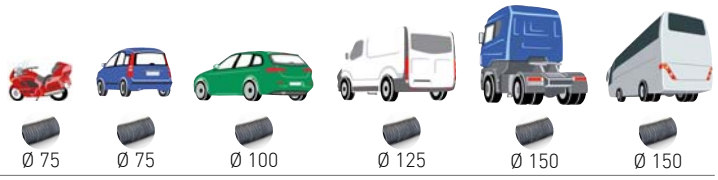
HOSES

Exhaust Gas
Extraction Equipments

TFA

MADE OF ANTI-CRUSHING RUBBER
TEMPERATURE UP TO 180° C

Applications



Use

On all wall, ceiling and floor exhaust gas extraction systems

DESCRIPTION
Anti-crushing rubber hose for vehicle and industrial vehicle exhaust gas extraction at temperatures up to 180 °C with peaks of 200 °C.
Available in lengths of up to max. 40 m.

CONSTRUCTION
Lightweight rubberised fabric structure coupled with an abrasion-resistant rubber-coated polyamide outer spiral.

USE
On winders, suspended ducts, floor systems.

TFA ANTI-CRUSHING RUBBER HOSE

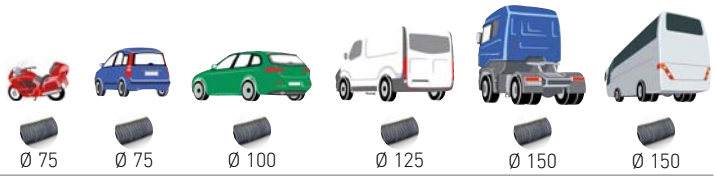
TFA Ø 75 TO 200 MM

Code	Description
TFA075XXX	TFA hose - Ø 75 mm - price per linear metre
TFA100XXX	TFA hose - Ø 100 mm - price per linear metre
TFA125XXX	TFA hose - Ø 125 mm - price per linear metre
TFA150XXX	TFA hose - Ø 150 mm - price per linear metre
TFA200XXX	TFA hose - Ø 200 mm - price per linear metre

TFDS

MADE OF HEAVY ANTI-CRUSHING RUBBER
TEMPERATURE UP TO 180° C

Applications



Use On all floor-mounted extraction systems

DESCRIPTION
Heavy rubber anti-crushing hose with sleeves at the ends, for vehicle and industrial vehicle exhaust gas extraction with temperatures up to 180° C.
Available in pieces of 3 - 6 - 9 m.

CONSTRUCTION
Thick rubber with textile reinforcement for added strength and flexibility.

USE
Use for floor systems with our OM1100 system is guaranteed even in the most demanding situations.

TFDS ANTI-CRUSHING RUBBER HOSE

TFDS Ø 75 TO 150 MM

Code	Description
TFDS075XXX	TFDS hose - Ø 75 mm - price per linear metre
TFDS100XXX	TFDS hose - Ø 100 mm - price per linear metre
TFDS125XXX	TFDS hose - Ø 125 mm - price per linear metre
TFDS150XXX	TFDS hose - Ø 150 mm - price per linear metre

TFM

MULTI-LAYER
TEMPERATURE -30 TO 140 °C

Applications

Ø 150

Use In expulsion on extractor OM5000

DESCRIPTION
Multi-layer hose with FILMFIX fastening.
Temperature -30 to 140 °C.
Available in lengths
of up to max. 10 m.

CONSTRUCTION
Multi-layer inner duct made of non-toxic aluminium (3 layers), polyester (2 layers) and PVC (outer layer), reinforced with steel harmonic spiral.

USE
Expulsion connection to the extractor OM5000.

TFM MULTI-LAYER HOSE

TFM Ø 150

Code	Description
TFM152010	Hose for TFM Ø 152 mm L. 10 m

TFTM

IN PVC COATED POLYESTER FABRIC
TEMPERATURE UP TO 90 °C NOT ANTI-CRUSHING

Applications

Use For wall or ceiling installations

DESCRIPTION
Hose made of mixed polyester fabric with double PVC coating for smoke and gas extraction at temperatures up to 90 °C. Available in lengths of up to max. 10 m.

CONSTRUCTION
The lightweight and highly flexible spiral-wound structure with harmonic steel embedded between the double fabric coating resists abrasion and corrosion.

USE
Suitable for wall or ceiling installation (it is not made in an anti-crushing version), it can be used to draw fumes or exhaust gases even from motor vehicles as long as they are at low temperature and not directly in contact with hot fumes.

TFTM PIPING IN PVC COATED POLYESTER FABRIC

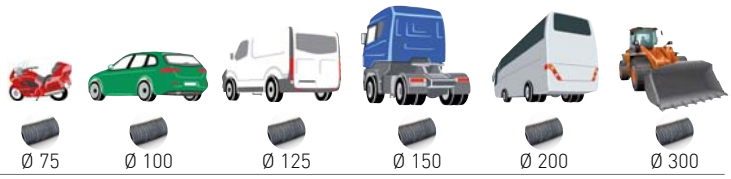
TFTM Ø 75 TO 300 MM

Code	Description
TFTM075XXX	TFTM hose - Ø 75 - price per linear metre
TFTM100XXX	TFTM hose - Ø 100 - price per linear metre
TFTM125XXX	TFTM hose - Ø 125 - price per linear metre
TFTM150XXX	TFTM hose - Ø 150 - price per linear metre
TFTM160XXX	TFTM hose - Ø 160 - price per linear metre
TFTM200XXX	TFTM hose - Ø 200 - price per linear metre
TFTM250XXX	TFTM hose - Ø 250 - price per linear metre
TFTM300XXX	TFTM hose - Ø 300 - price per linear metre

TFAF

IN STEEL COPPER TRANSPARENT POLYURETHANE FABRIC
TEMPERATURE UP TO 100 °C
NOT ANTI-CRUSHING

Applications



Use

Transport of dust on modified winders or on suction systems up to Ø 150 mm

DESCRIPTION
Transparent polyurethane hose for suction of acid vapours, abrasive dust, very dusty air mixed with granulates of various thicknesses at temperatures up to 100 °C. Available in lengths of up to max. 10 m.

CONSTRUCTION
Transparent polyurethane. Thanks to its exceptional flexibility and mechanical resistance to cuts and abrasions, it replaces commercially available air transport hoses in heavy-duty applications.

USE
It can be used coupled with modified winders to transport dust in cleaning or general extraction applications up to Ø 150 mm (no anti-crushing version is implemented).

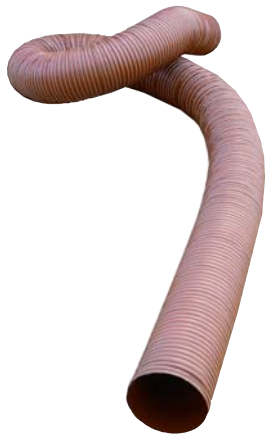
TFAF TRANSPARENT POLYURETHANE HOSE

TFAF Ø 75 TO 300 MM

Code	Description
TFAF075XXX	TFAF hose - Ø 75 - price per linear metre
TFAF100XXX	TFAF hose - Ø 100 - price per linear metre
TFAF125XXX	TFAF hose - Ø 125 - price per linear metre
TFAF150XXX	TFAF hose - Ø 150 - price per linear metre
TFAF160XXX	TFAF hose - Ø 160 - price per linear metre
TFAF200XXX	TFAF hose - Ø 200 - price per linear metre
TFAF250XXX	TFAF hose - Ø 250 - price per linear metre
TFAF300XXX	TFAF hose - Ø 300 - price per linear metre

TFAG1

IN GLASS FABRIC AND SILICONE
TEMPERATURE UP TO 320 °C
NOT ANTI-CRUSHING



Applications

Use On wall or ceiling installations

DESCRIPTION
Flexible hose for gas and smoke extraction with temperatures up to 320 °C. Available in lengths up to max. 4 m.

CONSTRUCTION
Silicone-coated glass fabric. The lightweight and very flexible structure spiralled with harmonic steel is sewn externally with glass fibre cord.

USE
Suitable for wall or ceiling installations (it is not made in an anti-crushing version), it can be coupled with other less temperature-resistant pipes in the vicinity of drains for initial heat dissipation.

TFAG1 GLASS FABRIC AND SILICONE TUBING

TFAG1 Ø 75 TO 200 MM

Code	Description
TFAG1075XXX	TFAG1 hose - Ø 75 - price per linear metre
TFAG1100XXX	TFAG1 hose - Ø 100 - price per linear metre
TFAG1125XXX	TFAG1 hose - Ø 125 - price per linear metre
TFAG1150XXX	TFAG1 hose - Ø 150 - price per linear metre
TFAG1160XXX	TFAG1 hose - Ø 160 - price per linear metre
TFAG1175XXX	TFAG1 hose - Ø 175 - price per linear metre
TFAG1200XXX	TFAG1 hose - Ø 200 - price per linear metre
TFAG1250XXX	TFAG1 hose - Ø 250 - price per linear metre
TFAG1300XXX	TFAG1 hose - Ø 300 - price per linear metre

TFAG2

IN GLASS FABRIC AND SILICONE
TEMPERATURE UP TO 400 °C
NOT ANTI-CRUSHING

Applications

Ø 100

Ø 125-150

Use On wall or ceiling installations

DESCRIPTION
Flexible hose for exhaust gas extraction from motor vehicles, industrial and military vehicles with temperatures up to 400°C. Available in lengths from a minimum of 2 m to a maximum of 20 m.

CONSTRUCTION
Special fibreglass and silicone fabric coupled with coated steel spiral to increase abrasion resistance and not transmit heat.

USE
On wall or ceiling installations (the pipe is not made in an anti-crushing version) it meets high temperature applications. For vehicles with high power or special applications (test room, motor test counters, etc.).

TFAG2 GLASS FABRIC AND SILICONE PIPING

TFAG2 Ø 100 TO 150 MM

Code	Description
TFAG2100XXX	TFAG2 hose 400 °C resistant - Ø 100 - price per linear metre
TFAG2125XXX	TFAG2 hose 400 °C resistant - Ø 125 - price per linear metre
TFAG2150XXX	TFAG2 hose 400 °C resistant - Ø 150 - price per linear metre
TFAG2200XXX	TFAG2 hose 400 °C resistant - Ø 200 - price per linear metre

TFAG2M

IN GLASS FABRIC AND SILICONE
TEMPERATURE UP TO 600 °C
NOT ANTI-CRUSHING

Applications

Ø 100

Ø 125-150

Use On wall or ceiling installations

DESCRIPTION
Flexible hose for exhaust gas extraction from motor vehicles, industrial and military vehicles with temperatures up to 600°C. Available in lengths from a minimum of 2 m to a maximum of 20 m.

CONSTRUCTION
Special fibreglass and silicone fabric coupled with coated steel spiral to increase abrasion resistance and not transmit heat.

USE
On wall or ceiling installations (the pipe is not made in an anti-crushing version) it meets high temperature applications. For vehicles with high power or special applications (test room, motor test counters, etc.).

TFAG2M GLASS FABRIC AND SILICONE PIPING

TFAG2M Ø 100 TO 200 MM

Code	Description
TFAG2M100XXX	TFAG2M hose 600 °C resistant - Ø 100 - price per linear metre
TFAG2M125XXX	TFAG2M hose 600 °C resistant - Ø 125 - price per linear metre
TFAG2M150XXX	TFAG2M hose 600 °C resistant - Ø 150 - price per linear metre
TFAG2M200XXX	TFAG2M hose 600 °C resistant - Ø 200 - price per linear metre

TFAG3

IN GLASS FABRIC AND SILICONE
TEMPERATURE UP TO 1000 °C
NOT ANTI-CRUSHING

Applications

Ø 100

Ø 125-150

Use On wall or ceiling installations

DESCRIPTION
Flexible hose for exhaust gas extraction from motor vehicles, industrial and military vehicles with temperatures up to 1000 °C. Available in lengths from a minimum of 2 m to a maximum of 20 m.

CONSTRUCTION
Special fibreglass and silicone fabric coupled with coated steel spiral to increase abrasion resistance and not transmit heat.

USE
On wall or ceiling installations (the pipe is not made in an anti-crushing version) it meets high temperature applications. For vehicles with high power or special applications (test room, motor test counters, etc.).

TFAG3 GLASS FABRIC AND SILICONE PIPING

TFAG3 Ø 100 TO 200 MM

Code	Description
TFAG3100XXX	TFAG3 hose 1000 °C resistant - Ø 100 - price per linear metre
TFAG3125XXX	TFAG3 hose 1000 °C resistant - Ø 125 - price per linear metre
TFAG3150XXX	TFAG3 hose 1000 °C resistant - Ø 150 - price per linear metre
TFAG3200XXX	TFAG3 hose 1000 °C resistant - Ø 200 - price per linear metre

ACCESSORIES

FOR HOSES

Fitting for hose	Code	Description
	RTF075	Fitting for hose - Ø 75 mm
	RTF100	Fitting for hose - Ø 100 mm
	RTF125	Fitting for hose - Ø 125 mm
	RTF150	Fitting for hose - Ø 150 mm

Pipe clamps	Code	Description
	FS070090	Pipe clamp - Ø 70-90 mm - stainless steel
	FS090110	Pipe clamp - Ø 90-110 mm - stainless steel
	FS120140	Pipe clamp - Ø 120-140 mm - stainless steel
	FS140160	Pipe clamp - Ø 140-160 mm - stainless steel

Ertalon couplings for quick release/connection	Code	Description
	AREMB075	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 75 mm
	AREFT075	Ertalon quick coupling - female half coupling - for hose Ø 75 mm
	AREMT075	Ertalon quick coupling - male half coupling - for hose Ø 75 mm (for pipe extension)
	AREMB100	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 100 mm
	AREFT100	Ertalon quick coupling - female half coupling - for hose Ø 100 mm
	AREMT100	Ertalon quick coupling - male half coupling - for hose Ø 100 mm (for pipe extension)
	AREMB125	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 125 mm
	AREFT125	Ertalon quick coupling - female half coupling - for hose Ø 125 mm
	AREMT125	Ertalon quick coupling - male half coupling - for hose Ø 125 mm (for pipe extension)
	AREMB150	Ertalon quick coupling - male half coupling - for rubber nozzle Ø 150 mm
	AREFT150	Ertalon quick coupling - female half coupling - for hose Ø 150 mm
	AREMT150	Ertalon quick coupling - male half coupling - for hose Ø 150 mm (for pipe extension)

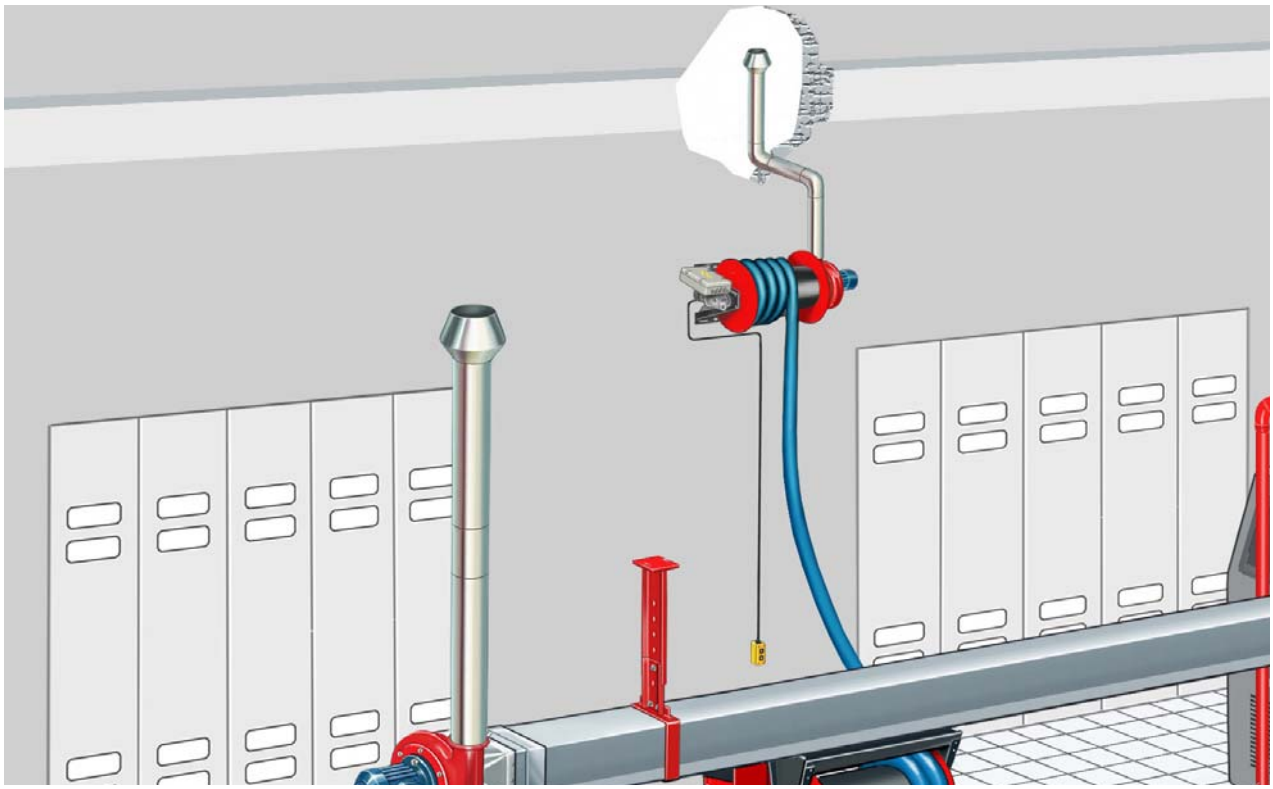
ACCESSORIES

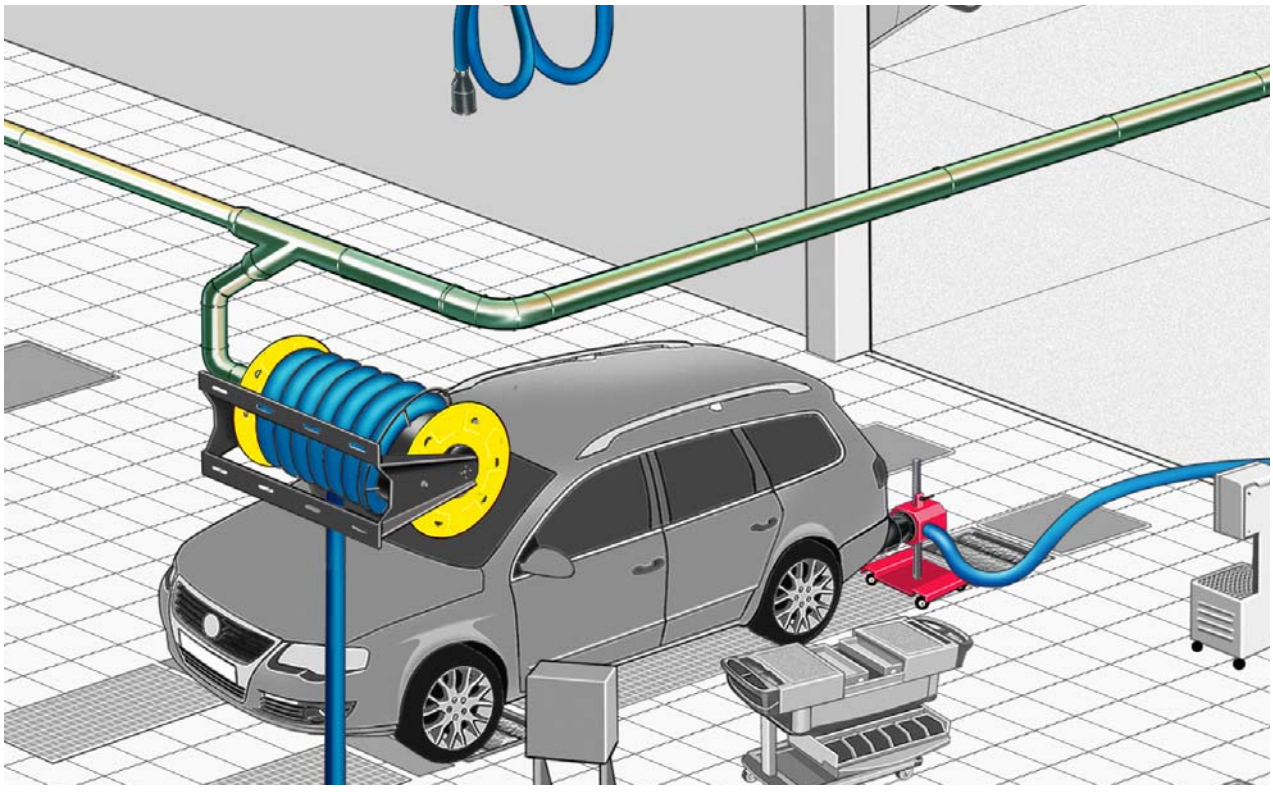
FOR HOSES

Galvanised steel couplings with quick release/connection clamps	Code	Description
	ARZP1F	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Female
	ARZP1M	Galvanised steel quick coupling with side clamps for pipe Ø 125 mm - Male
	ARZP2F	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Female
	ARZP2M	Galvanised steel quick coupling with side clamps for pipe Ø 150 mm - Male
	ARZP3F	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Female
	ARZP3M	Galvanised steel quick coupling with side clamps for pipe Ø 200 mm - Male

Galvanised steel couplings with bayonet for quick release/ connection	Code	Description
	ARZB1F	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Female
	ARZB1M	Galvanised sheet metal bayonet quick coupling for piping Ø 75 mm - Male
	ARZB2F	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Female
	ARZB2M	Galvanised sheet metal bayonet quick coupling for piping Ø 100 mm - Male
	ARZB3F	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Female
	ARZB3M	Galvanised sheet metal bayonet quick coupling for piping Ø 125 mm - Male

Layout of car and van workshop systems with example of installation of our products and applications





RIGID GALVANISED STEEL PIPES

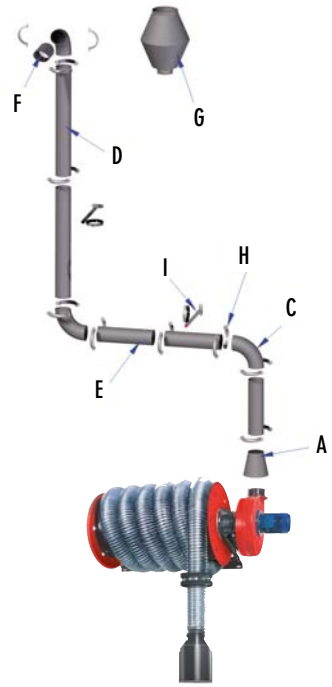
Exhaust Gas
Extraction Equipments

RIGID GALVANISED STEEL PIPES

ELEMENTS AND ACCESSORIES FOR CONNECTING INDIVIDUAL
EXHAUST GAS EXTRACTION STATIONS TO CENTRALISED SYSTEMS

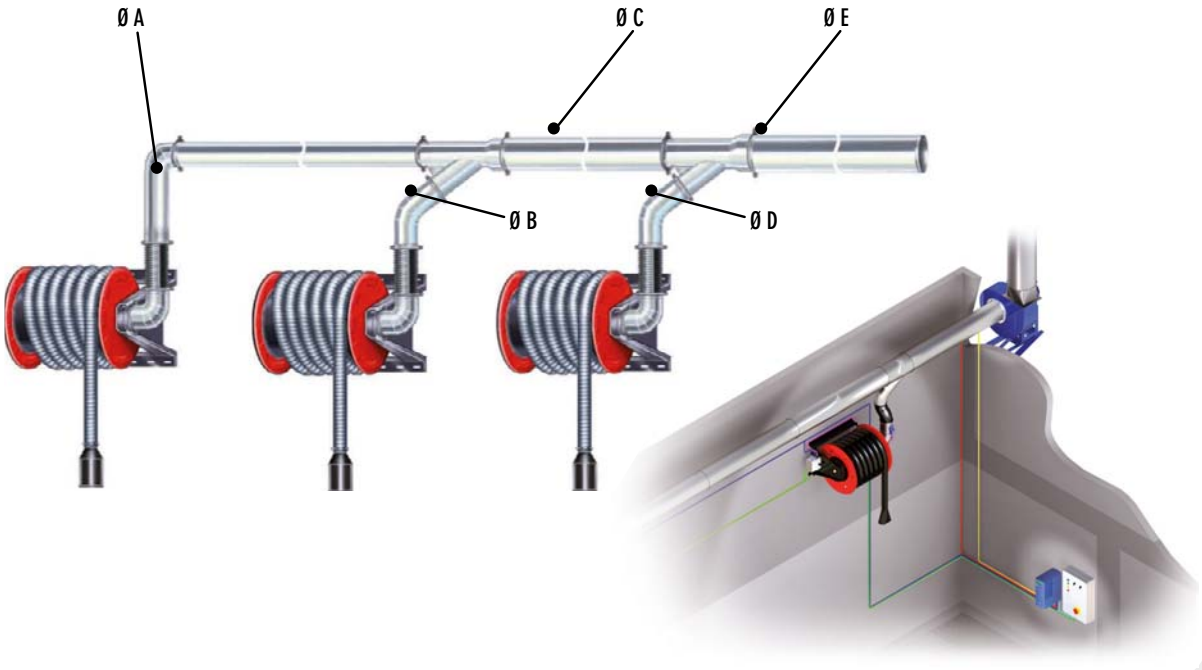
EXAMPLES OF EXPULSION LINE ASSEMBLY

EXPULSION COMPONENTS AND ACCESSORIES FOR WINDERS WITH SINGLE STATION EXTRACTOR



LIST OF DISASSEMBLED PARTS AVAILABLE WITH SIMULATION OF AN EXPULSION LINE	
A	Output cone
C	90° curve in galvanised steel sheet metal
D	Rigid galvanised steel sheet metal pipe with length L. 1.5 m
E	Rigid galvanised steel sheet metal pipe with length L. 0.5 m
F	45° end (must be coupled with a 90° curve)
G	Open end (alternative to F)
H	Bi-component collar
I	Bracket with two-part collar (recommended every 3 m approx.)

CENTRALISED SYSTEM FOR THREE STATIONS WITH WINDERS



DESCRIPTION
Components and accessories made of galvanised carbon steel for ducting on centralised systems or individual stations.
The diameters present were identified by means of appropriate calculations. AISI 304 STAINLESS STEEL components are available on request.
Further accessories and variants are available on request.

Straight pipes L. 1 m	Code	Description
	TAZD100	Straight galvanised steel pipe Ø 100RR (turned edges)
	TAZD120	Straight galvanised steel pipe Ø 120RR (turned edges)
	TAZD150	Straight galvanised steel pipe Ø 150RR (turned edges)
	TAZD160	Straight galvanised steel pipe Ø 160RR (turned edges)
	TAZD180	Straight galvanised steel pipe Ø 180RR (turned edges)
	TAZD200	Straight galvanised steel pipe Ø 200RR (turned edges)
	TAZD220	Straight galvanised steel pipe Ø 220RR (turned edges)
	TAZD250	Straight galvanised steel pipe Ø 250RR (turned edges)
	TAZD280	Straight galvanised steel pipe Ø 280RR (turned edges)
	TAZD300	Straight galvanised steel pipe Ø 300RR (turned edges)
	TAZD350	Straight galvanised steel pipe Ø 350RR (turned edges)
	TAZD400	Straight galvanised steel pipe Ø 400RR (turned edges)
	TAZD450	Straight galvanised steel pipe Ø 450RR (turned edges)
	TAZD500	Straight galvanised steel pipe Ø 500RR (turned edges)
	TAZD550	Straight galvanised steel pipe Ø 550RR (turned edges)
	TAZD600	Straight galvanised steel pipe Ø 600RR (turned edges)

Joint collars	Code	Description
	CBIT100	Two-component collar for piping Ø 100
	CBIT120	Two-component collar for piping Ø 120
	CBIT150	Two-component collar for piping Ø 150
	CBIT160	Two-component collar for piping Ø 160
	CBIT180	Two-component collar for piping Ø 180
	CBIT200	Two-component collar for piping Ø 200
	CBIT220	Two-component collar for piping Ø 220
	CBIT250	Two-component collar for piping Ø 250
	CBIT280	Two-component collar for piping Ø 280
	CBIT300	Two-component collar for piping Ø 300
	CBIT350	Two-component collar for piping Ø 350
	CBIT400	Two-component collar for piping Ø 400
	CBIT450	Two-component collar for piping Ø 450
	CBIT500	Two-component collar for piping Ø 500
	CBIT550	Two-component collar for piping Ø 550
	CBIT600	Two-component collar for piping Ø 600

RIGID GALVANISED STEEL PIPES

ELEMENTS AND ACCESSORIES FOR CONNECTING INDIVIDUAL STATIONS
OF EXHAUST GAS EXTRACTION TO CENTRALISED SYSTEMS

Wall brackets with joint collar	Code	Description
	STFP06120	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 120
	STFP06150	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 150
	STFP06160	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 160
	STFP06180	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 180
	STFP06200	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 200
	STFP06220	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 220
	STFP06250	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 250
	STFP06280	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 280
	STFP06300	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 300
	STFP06350	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 350
	STFP06400	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 400
	STFP06450	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 450
	STFP06500	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 500
	STFP06550	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 550
	STFP06600	Bracket for wall mounting L. 0.6 m with two-component collar for piping Ø 600
	STFP10120	Bracket for wall mounting L. 1 m with two-component collar for piping Ø 120
	STFP10150	Bracket for wall mounting L. 1 m with two-component collar for piping Ø 150
	STFP10180	Bracket for wall mounting L. 1 m with two-component collar for piping Ø 180
	STFP10200	Bracket for wall mounting L. 1 m with two-component collar for piping Ø 200
	STFP10250	Bracket for wall mounting L. 1 m with two-component collar for piping Ø 250
	STFP10300	Bracket for wall mounting L. 1 m with two-component collar for piping Ø 300
	STFP10350	Bracket for wall mounting L. 1 m with two-component collar for piping Ø 350
	STFP10400	Bracket for wall mounting L. 1 m with two-component collar for piping Ø 400
	STFP10450	Bracket for wall mounting L. 1 m with two-component collar for piping Ø 450
	STFP10500	Bracket for wall mounting L. 1 m with two-component collar for piping Ø 500
	STFP10550	Bracket for wall mounting L. 1 m with two-component collar for piping Ø 550
	STFP10600	Bracket for wall mounting L. 1 m with two-component collar for piping Ø 600

2-way asymmetric deviations	Code	Description
	DVAS100	2-way asymmetrical deviation Ø 100RR
	DVAS120	2-way asymmetrical deviation Ø 120RR
	DVAS150	2-way asymmetrical deviation Ø 150RR
	DVAS160	2-way asymmetrical deviation Ø 160RR
	DVAS180	2-way asymmetrical deviation Ø 180RR
	DVAS200	2-way asymmetrical deviation Ø 200RR
	DVAS220	2-way asymmetrical deviation Ø 220RR
	DVAS250	2-way asymmetrical deviation Ø 250RR
	DVAS280	2-way asymmetrical deviation Ø 280RR
	DVAS300	2-way asymmetrical deviation Ø 300RR
	DVAS350	2-way asymmetrical deviation Ø 350RR
	DVAS400	2-way asymmetrical deviation Ø 400RR
	DVAS450	2-way asymmetrical deviation Ø 450RR
	DVAS500	2-way asymmetrical deviation Ø 500RR
	DVAS550	2-way asymmetrical deviation Ø 550RR
	DVAS600	2-way asymmetrical deviation Ø 600RR

RIGID GALVANISED STEEL PIPES

ELEMENTS AND ACCESSORIES FOR CONNECTING INDIVIDUAL STATIONS
OF EXHAUST GAS EXTRACTION TO CENTRALISED SYSTEMS

45° curves	Code	Description
	C45100	45° curve Ø 100RR
	C45120	45° curve Ø 120RR
	C45150	45° curve Ø 150RR
	C45160	45° curve Ø 160RR
	C45180	45° curve Ø 180RR
	C45200	45° curve Ø 200RR
	C45220	45° curve Ø 220RR
	C45250	45° curve Ø 250RR
	C45280	45° curve Ø 280RR
	C45300	45° curve Ø 300RR
	C45350	45° curve Ø 350RR
	C45400	45° curve Ø 400RR
	C45450	45° curve Ø 450RR
	C45500	45° curve Ø 500RR
	C45550	45° curve Ø 550RR
	C45600	45° curve Ø 600RR

90° curves	Code	Description
	C90100	90° curve Ø 100RR
	C90120	90° curve Ø 120RR
	C90150	90° curve Ø 150RR
	C90160	90° curve Ø 160RR
	C90180	90° curve Ø 180RR
	C90200	90° curve Ø 200RR
	C90220	90° curve Ø 220RR
	C90250	90° curve Ø 250RR
	C90280	90° curve Ø 280RR
	C90300	90° curve Ø 300RR
	C90350	90° curve Ø 350RR
	C90400	90° curve Ø 400RR
	C90450	90° curve Ø 450RR
	C90500	90° curve Ø 500RR
	C90550	90° curve Ø 550RR
	C90600	90° curve Ø 600RR

45° ends	Code	Description
	T45180	45° end with anti-intrusion mesh Ø 180R
	T45200	45° end with anti-intrusion mesh Ø 200R
	T45220	45° end with anti-intrusion mesh Ø 220R
	T45250	45° end with anti-intrusion mesh Ø 250R
	T45280	45° end with anti-intrusion mesh Ø 280R
	T45300	45° end with anti-intrusion mesh Ø 300R
	T45350	45° end with anti-intrusion mesh Ø 350R
	T45400	45° end with anti-intrusion mesh Ø 400R
	T45450	45° end with anti-intrusion mesh Ø 450R
	T45500	45° end with anti-intrusion mesh Ø 500R
	T45550	45° end with anti-intrusion mesh Ø 550R
	T45600	45° end with anti-intrusion mesh Ø 600R

Open ends	Code	Description
	TCA160	Open end Ø 160
	TCA180	Open end Ø 180
	TCA200	Open end Ø 200
	TCA250	Open end Ø 250
	TCA280	Open end Ø 280
	TCA300	Open end Ø 300
	TCA350	Open end Ø 350
	TCA500	Open end Ø 500

Manual guillotine dampers	Code	Description
	SEGM0120	Manual guillotine damper Ø 120RR
	SEGM0150	Manual guillotine damper Ø 150RR
	SEGM0160	Manual guillotine damper Ø 160RR
	SEGM0009	Manual guillotine damper Ø 180RR
	SEGM0003	Manual guillotine damper Ø 200RR
	SEGM0007	Manual guillotine damper Ø 250RR
	SEGM0008	Manual guillotine damper Ø 300RR

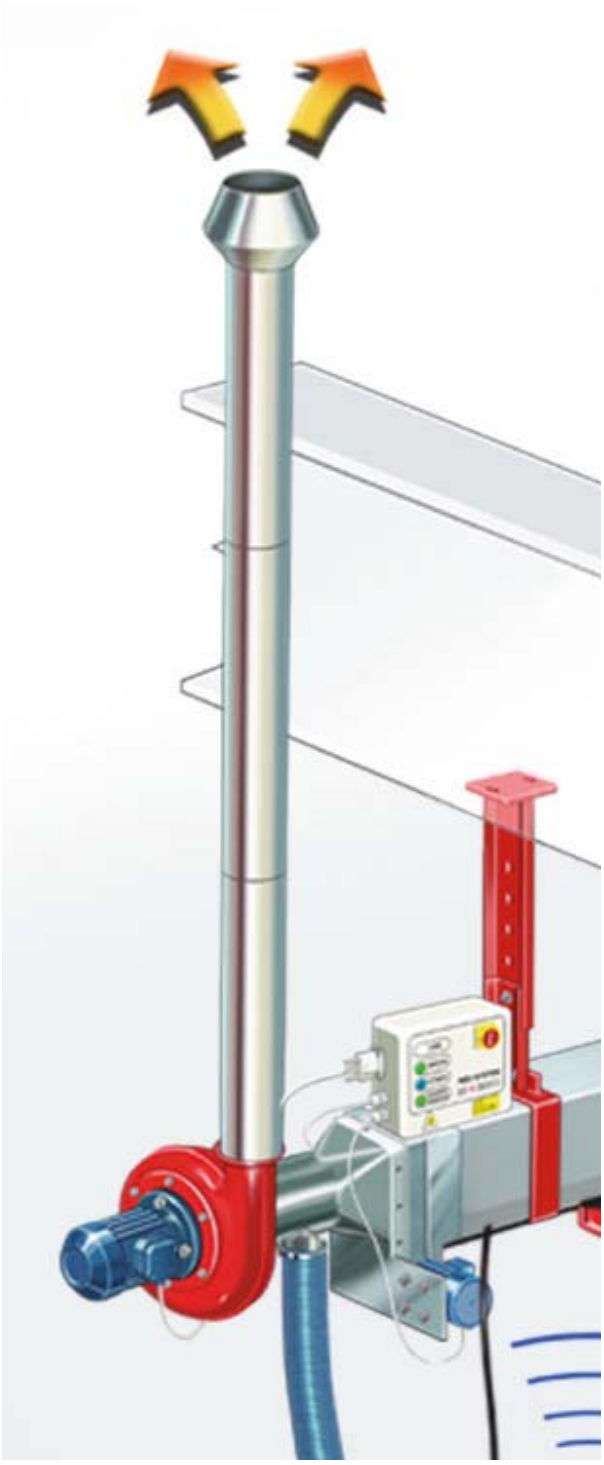
RIGID GALVANISED STEEL PIPES

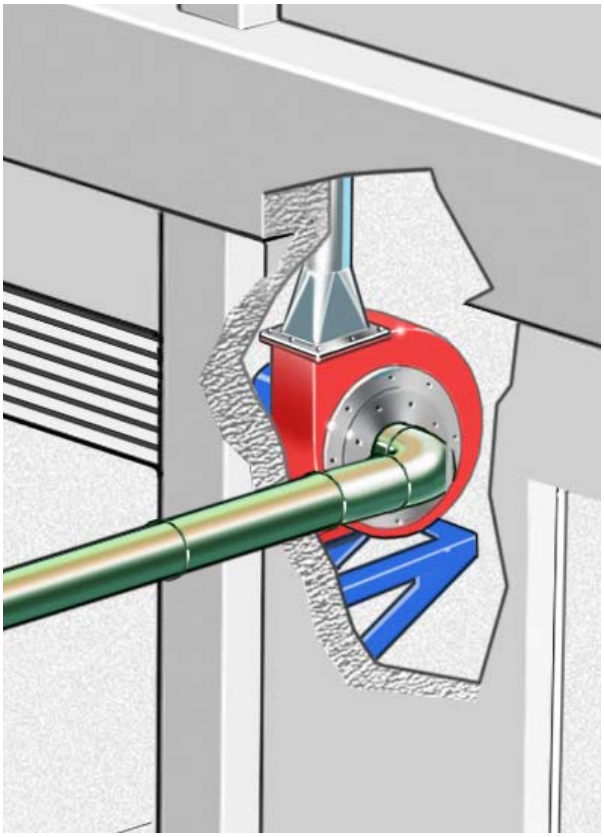
ELEMENTS AND ACCESSORIES FOR CONNECTING INDIVIDUAL STATIONS
OF EXHAUST GAS EXTRACTION TO CENTRALISED SYSTEMS

Reduction cones	Code	Description
	3010332	Reduction cone Ø 120R-100R
	3010340	Reduction cone Ø 150R-120R
	3010350	Reduction cone Ø 200R-180R
	3010360	Reduction cone Ø 250R-180R
	3010247	Reduction cone Ø 350R-300R
	3010942	Reduction cone Ø 400R-350R
	3010973	Reduction cone Ø 450R-300R

Silencers	Code	Description
	SIL125900	Silencer Ø 125 mm L. 900 mm for spiral pipe with 50 mm external insulation - 7.5 kg
	SIL160900	Silencer Ø 160 mm L. 900 mm for spiral pipe with 50 mm external insulation - 9 kg
	SIL200900	Silencer Ø 200mm L. 900 mm for spiral pipe with 50 mm external insulation - 10.5 kg
	SIL250900	Silencer Ø 250 mm L. 900 mm for spiral pipe with 50 mm external insulation - 13 kg
	SIL315900	Silencer Ø 315 mm L. 900 mm for spiral pipe with 50 mm external insulation - 15 kg
	SIL355900	Silencer Ø 355 mm L. 900 mm for spiral pipe with 50 mm external insulation - 18 kg
	SIL400900	Silencer Ø 400 mm L. 900 mm for spiral pipe with 50 mm external insulation - 21 kg
	SIL450900	Silencer Ø 450 mm L. 900 mm for spiral pipe with 50 mm external insulation - 24 kg
	SIL500900	Silencer Ø 500 mm L. 900 mm for spiral pipe with 50 mm external insulation - 28 kg
	SIL500	Silencer Ø 500 mm L. = Ø x 1.5 mm for pipe with cuff. With 80 mm external insulation
	SIL560	Silencer Ø 560 mm L. = Ø x 1.5 mm for pipe with cuff. With 80 mm external insulation
	SIL600	Silencer Ø 600 mm L. = Ø x 1.5 mm for pipe with cuff. With 80 mm external insulation
	SIL650	Silencer Ø 650 mm L. = Ø x 1.5 mm for pipe with cuff. With 80 mm external insulation
	SIL700	Silencer Ø 700 mm L. = Ø x 1.5 mm for pipe with cuff. With 80 mm external insulation
	SIL750	Silencer Ø 750 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation
	SIL800	Silencer Ø 800 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation
	SIL850	Silencer Ø 850 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation
	SIL900	Silencer Ø 900 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation
	SIL1000	Silencer Ø 1000 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation
	SIL1200	Silencer Ø 1200 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation
	SIL1300	Silencer Ø 1300 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation
	SIL1400	Silencer Ø 1400 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation
	SIL1500	Silencer Ø 1500 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation
	SIL1600	Silencer Ø 1600 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation
	SIL1700	Silencer Ø 1700 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation
	SIL1800	Silencer Ø 1800 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation
	SIL1900	Silencer Ø 1900 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation
	SIL2000	Silencer Ø 2000 mm L. = Ø x 1.5 mm for pipe with cuff. With 100 mm external insulation

Layout of car and van workshop systems with example of installation of our products and applications





FANS

Exhaust Gas
Extraction Equipments

OM1800

CURVED BACKWARD BLADE CENTRIFUGAL FANS FOR CENTRALISED SYSTEMS

Applications

AUTOMOTIVE

WELDING

Use

Suction of very dusty air, exhaust gases, welding fumes in centralised systems.
Temperatures up to 80 °C and above in special versions

DESCRIPTION
Single-inlet centrifugal fan made of painted steel and impeller with thick steel welded curved backward blades suitable for conveying even very dusty air.
The characteristics of high flow rates and medium/high heads and the wide range of available sizes are used in centralised suction systems.
The powers shown in the performance tables have been dimensioned taking into account the machine's performance and an additional safety margin to compensate for possible system faults.

CONSTRUCTION
The welded steel sheet metal structure of adequate thickness, painted with epoxy powder in RAL 7032 grey.
Curved backward blade impellers made of thick steel sheet metal welded and epoxy powder coated, statically and dynamically balanced according to ISO standards.
IE2 efficiency three-phase asynchronous motors normally in 400V/50-60Hz IP55 execution, according to UNELMEC standards. Installed with 2 poles depending on the required pressure, or with double polarity for two-speed versions.

ADDED VALUES
High flow, medium/high pressure, excellent efficiency, minimal noise and vibration levels.
Installation takes place on a foundation support chair common to the fan.
An additional chair secured to the suction inlet can be requested
to increase the robustness of the machine.
Special versions: ATEX for explosion-hazardous environments regulated by 94/9/EC.
Orientations:
- RD0 standard
- Other versions on request.

CERTIFICATIONS

CE UKCA

PACKAGING

Peso 60 kg
Volume imballo 1 m^3
(120x80x105 cm)

Fan complete with connections

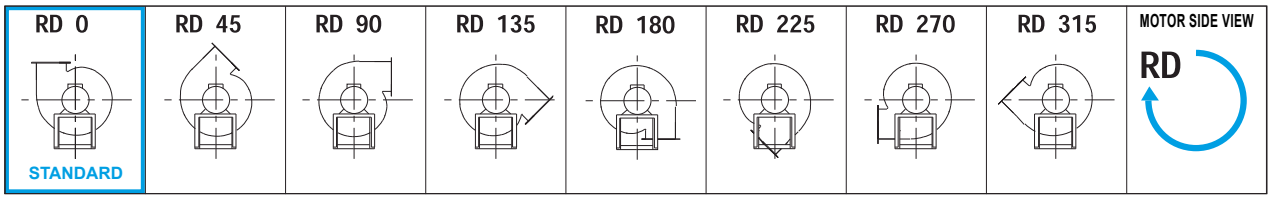
TECHNICAL FEATURES

Flow rate	Pressure	Impeller		Motor			Limit fluid temperature	
		Ø min.	Ø max.	V/Hz	Poles	IP	Min.	Max.
m^3/h	Pa	mm	mm				°C	°C
470 to 17,000	410 to 5610	250	630	400/3/50-60	2	55	-25	+60

DIRECTION OF ROTATION

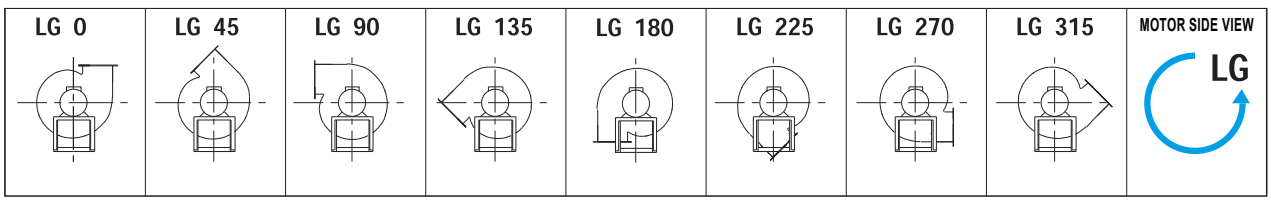
HOURLY ROTATION

VALUES:
H = RD 0 - RD 45 - RD 90 - RD 135
H_1 = RD 180 - RD 225
H_2 = RD 270 - RD 315



COUNTER-CLOCKWISE ROTATION

VALUES:
H = LG 0 - LG 45 - LG 90 - LG 135
H_1 = LG 180 - LG 225
H_2 = LG 270 - LG 315

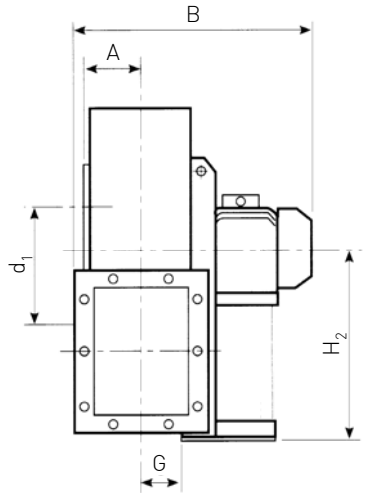


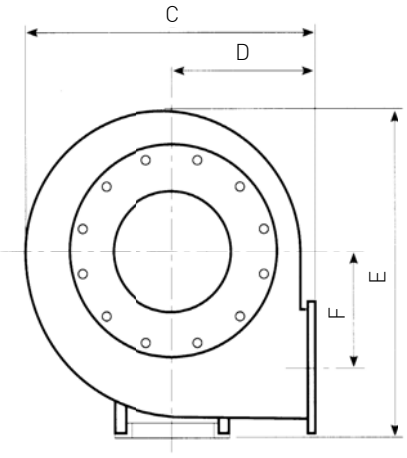
OM1800

CURVED BACKWARD BLADE CENTRIFUGAL FANS FOR CENTRALISED SYSTEMS

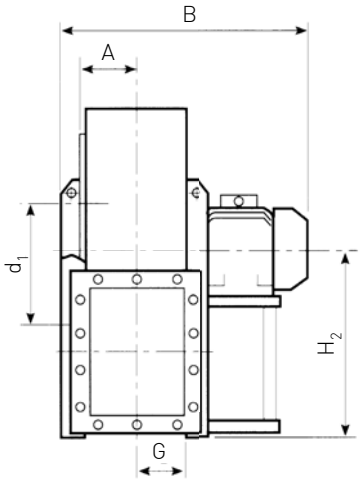
DIMENSIONS

Model	Motor	KG	PD² KG F m²	Electric fan										Suction flange				
				A	B	C	D	E	F	G	H	H_1	H_2	d	d_1	d_2	N.	Ø
OM1828	80 A-2	32	0.16	95	440	477	200	610	202	86	375	200	375	205	241	275	8	8
OM1831	80 B-2	41	0.19	105	460	527	225	658	229	96	400	225	400	228	265	298	8	8
OM1831	90 S-2	44	0.21	105	480	527	225	658	229	96	400	225	400	228	265	298	8	8
OM1835	90 S-2	66	0.43	115	500	600	255	740	253	107	450	255	450	255	292	325	8	10
OM1835	90 L-2	69	0.50	115	530	600	255	740	253	107	450	255	450	255	292	325	8	10
OM1840	100 LA-2	85	0.70	127	590	655	285	815	286	118	500	285	500	285	332	365	8	10
OM1840	112 M-2	93	0.80	127	630	655	285	815	286	118	500	285	500	285	332	365	8	10
OM1845	132 SA-2	115	1.2	141	670	735	320	915	321	131	560	320	560	320	366	400	8	10
OM1845	132 SB-2	118	1.4	141	670	735	320	915	321	131	560	320	560	320	366	400	8	10
OM1850	160 M-2	175	2.3	157	830	832	360	1000	355	148	600	360	600	360	405	440	8	10
OM1850	160 M-2	180	2.6	157	830	832	360	1000	355	148	600	360	600	360	405	440	8	10
OM1856	160 L-2	220	2.1	157	580	832	360	1000	355	148	600	360	600	360	405	440	8	10
OM1856	180 M-2	276	2.2	157	615	832	360	1000	355	148	600	360	600	360	405	440	8	10

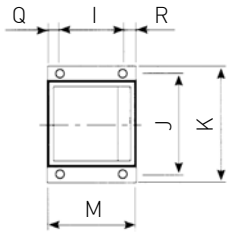




Sizes 250 to 500 with electric motor in **B3**.

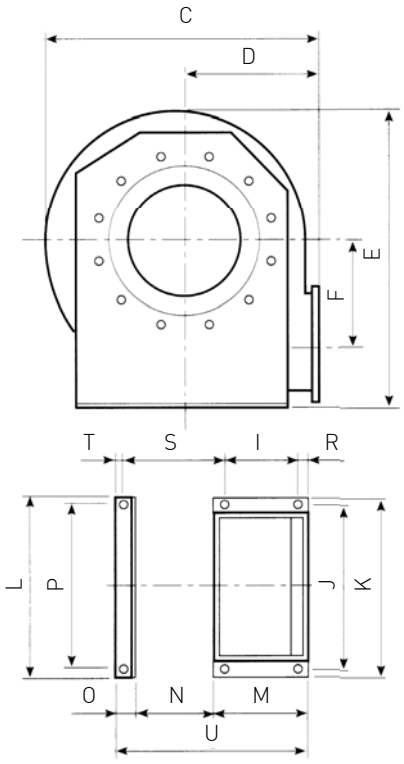


Sizes 560 to 630 with electric motor in **B3**.

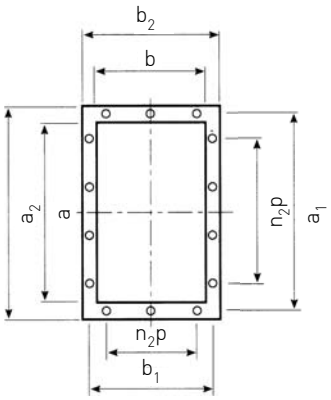


Drilling of electric motor support chair

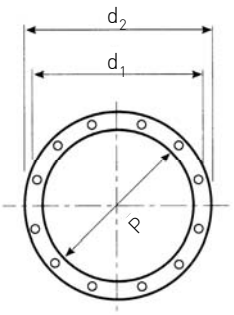
Pressing flange										Electric motor chair														
a	b	a_1	b_1	a_2	b_2	$n_1$xp	$n_2$xp	No.	Ø	I	J	K	L	M	N	O	P	Q	R	S	T	U	Ø
231	166	265	200	301	236	1x112	1x112	8	12	121	203	225	-	180	-	-	-	45	14	-	-	-	10
258	185	292	219	328	255	1x112	2x112	10	12	121	203	225	-	180	-	-	-	45	14	-	-	-	10
258	185	292	219	328	255	1x112	2x112	10	12	133	234	260	-	205	-	-	-	55	17	-	-	-	10
288	205	332	249	368	285	1x125	2x125	10	12	133	234	260	-	205	-	-	-	55	17	-	-	-	10
288	205	332	249	368	285	1x125	2x125	10	12	133	234	260	-	205	-	-	-	55	17	-	-	-	10
322	229	366	273	402	309	1x125	2x125	10	12	197	289	324	-	250	-	-	-	30	23	-	-	-	12
322	229	366	273	402	309	1x125	2x125	10	12	197	289	324	-	250	-	-	-	30	23	-	-	-	12
361	256	405	300	441	336	1x125	2x125	10	12	237	337	372	-	300	-	-	-	40	23	-	-	-	12
361	256	405	300	441	336	2x125	3x125	10	12	237	337	372	-	300	-	-	-	40	23	-	-	-	12
404	288	448	332	484	368	2x125	3x125	10	12	337	395	440	-	446	-	-	-	50	28	-	-	-	14
404	288	448	332	484	368	2x125	3x125	10	12	337	395	440	-	415	-	-	-	50	28	-	-	-	14
404	288	448	332	484	368	2x125	3x125	14	12	133	234	260	-	205	-	-	-	55	17	-	-	-	10
404	288	448	332	484	368	2x125	3x125	14	12	133	234	260	-	205	-	-	-	55	17	-	-	-	10



Forature per sedia
su bocca aspirante



Flangia premente



Flangia aspirante

OM1800

CURVED BACKWARD BLADE CENTRIFUGAL FANS FOR CENTRALISED SYSTEMS

PERFORMANCE TABLE

Model	Motor	Power installed	No. of revs	Power sound	Total pressure (PT = Pa) Flow rate (v = m³/h)										
		kW	RPM	dB(A)	470	540	615	680	750	830	930	1080	1190	1330	1500
FE1828	80 A-2	0.75	2830	70	-	-	-	1300	1290	1280	1260	1210	1130	1060	950
FE1831	80 B-2	1.10	2830	72	-	-	-	-	-	-	1440	1430	1410	1390	1290
FE1831	90 S-2	1.50	2840	73	-	-	-	-	-	-	1650	1640	1630	1600	1540
FE1835	90 S-2	1.50	2840	76	-	-	-	-	-	-	-	-	-	1840	1830
FE1835	90 L-2	2.20	2850	78	-	-	-	-	-	-	-	-	-	2100	2100
FE1840	100 LA-2	3.00	2900	80	-	-	-	-	-	-	-	-	-	-	-
FE1840	112 M-2	4.00	2900	81	-	-	-	-	-	-	-	-	-	-	-
FE1845	132 SA-2	5.50	2900	84	-	-	-	-	-	-	-	-	-	-	-
FE1845	132 SB-2	7.50	2900	85	-	-	-	-	-	-	-	-	-	-	-
FE1850	160 M-2	11.00	2930	89	-	-	-	-	-	-	-	-	-	-	-
FE1850	160 M-2	15.00	2930	89	-	-	-	-	-	-	-	-	-	-	-
FE1856	160 L-2	18.50	2940	91	-	-	-	-	-	-	-	-	-	-	-
FE1856	180 M-2	22.00	1420	92	-	-	-	-	-	-	-	-	-	-	-

Performance data were measured with appropriate instruments in our workshops.
Performance in air at 15 °C with a pressure of 760 mmH_2O.
The indicated flow and pressure performances refer to the installation of the electric fan with ducted delivery.

The reported noise is expressed in sound pressure, measured at a distance of 1.5 m in free field.
The power values indicated refer to the actual power installed in the electric fan.
Refer to the performance curves for the correct model selection.

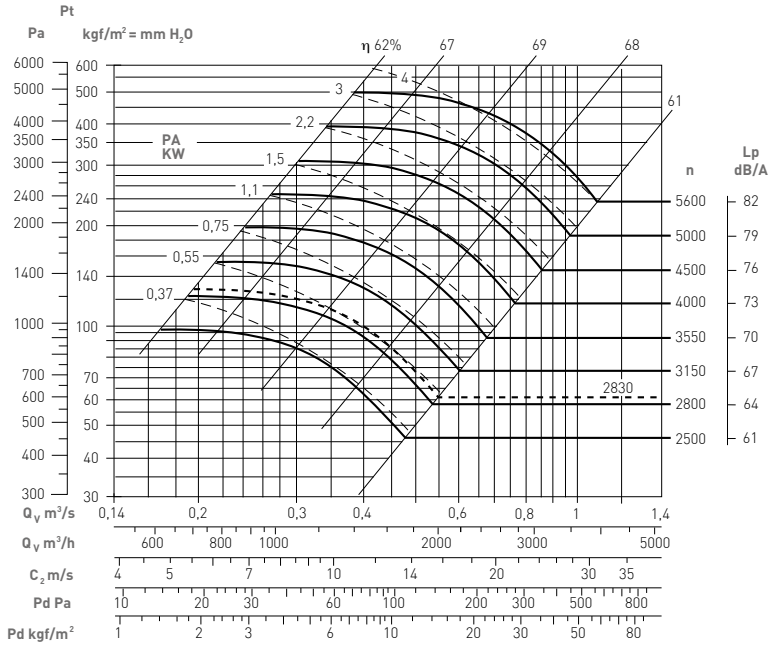
Total pressure (PT = Pa)																				
Flow rate (v = m³/h)																				
1700	1900	2150	2400	2700	3050	3450	3850	4250	4750	5400	6150	6850	7650	8500	9500	10800	12000	13500	15300	17000
830	690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1210	1100	1000	850	680	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1420	1330	1210	1060	880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1800	1760	1630	1550	1420	1280	1070	850	-	-	-	-	-	-	-	-	-	-	-	-	-
2080	2040	1980	1820	1710	1550	1340	1130	-	-	-	-	-	-	-	-	-	-	-	-	-
-	2470	2400	2380	2410	2520	2300	2050	1650	1410	1120	-	-	-	-	-	-	-	-	-	-
-	2770	2750	2730	2690	2560	2400	2290	2050	1780	1480	1010	-	-	-	-	-	-	-	-	-
-	-	-	-	3050	3020	2990	2930	2740	2550	2340	2120	1800	1420	970	-	-	-	-	-	-
-	-	-	-	3500	3480	3440	3380	3260	3010	2820	2570	2230	1860	1270	-	-	-	-	-	-
-	-	-	-	.	.	.	3920	3880	3840	3770	3520	3280	2900	2420	1800	1400	-	-	-	-
-	-	-	-	-	-	-	4480	4420	4400	4320	4160	3820	3600	3280	2360	2300	-	-	-	-
-	-	-	-	-	-	-	-	-	-	4890	4850	4790	4700	4400	4100	3760	3410	2860	2250	1510
-	-	-	-	-	-	-	-	-	-	5610	5610	5490	5400	5210	4820	4530	4120	3570	2970	2210

CHARACTERISTIC CURVES

Q= Flow rate in m^3/hour, m^3/s and cfm

Pe= Static pressure expressed in mmH_2O, and Pa

OM1828



Electric fan weight 36 Kgf

PD^2 and GD^2 = 0.16 Kgf^2m

Maximum rotation speed

<100°C = 5000

100 ÷ 200°C = 4500

200 ÷ 300°C = 4000

Noise tolerance + 3 dB

Tolerance on power input ± 3%

OM1800

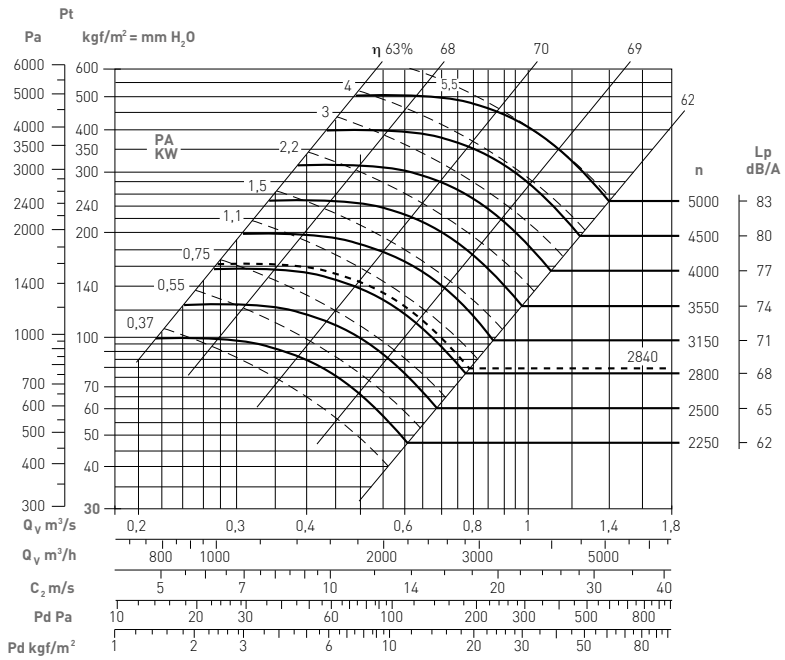
CURVED BACKWARD BLADE CENTRIFUGAL FANS FOR CENTRALISED SYSTEMS

CHARACTERISTIC CURVES

Q= Flow rate in m^3/hour, m^3/s and cfm

Pe= Static pressure expressed in mmH_2O, and Pa

OM1831



Electric fan weight 43 kgf

PD^2 and GD^2 = 0.21 Kgf^2m

Maximum rotation speed

<100 °C = 4500

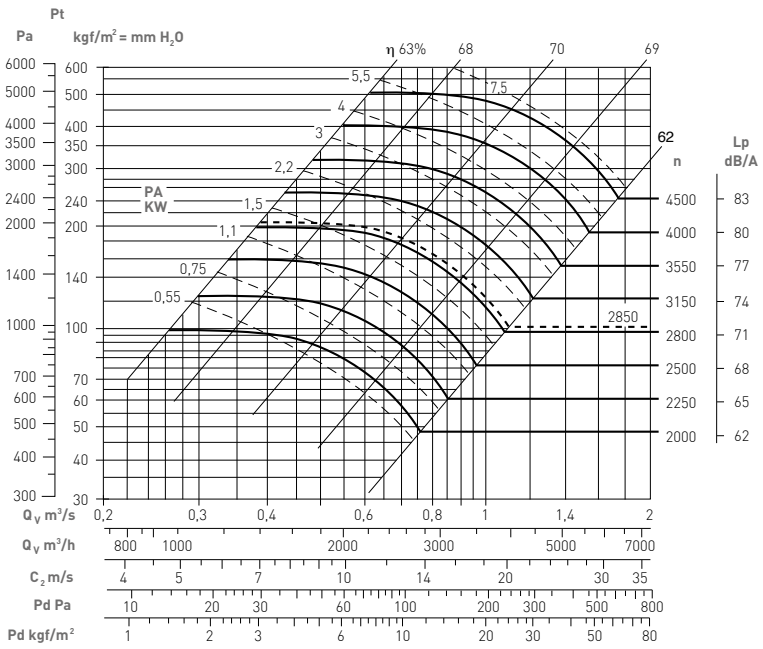
100 ÷ 200 °C = 4000

200 ÷ 300 °C = 3550

Noise tolerance + 3 dB

Tolerance on power input ± 3%

OM1835



Electric fan weight 72 kgf

PD^2 and GD^2 = 0.5 Kgf^2m

Maximum rotation speed

<100 °C = 4000

100 ÷ 200 °C = 3550

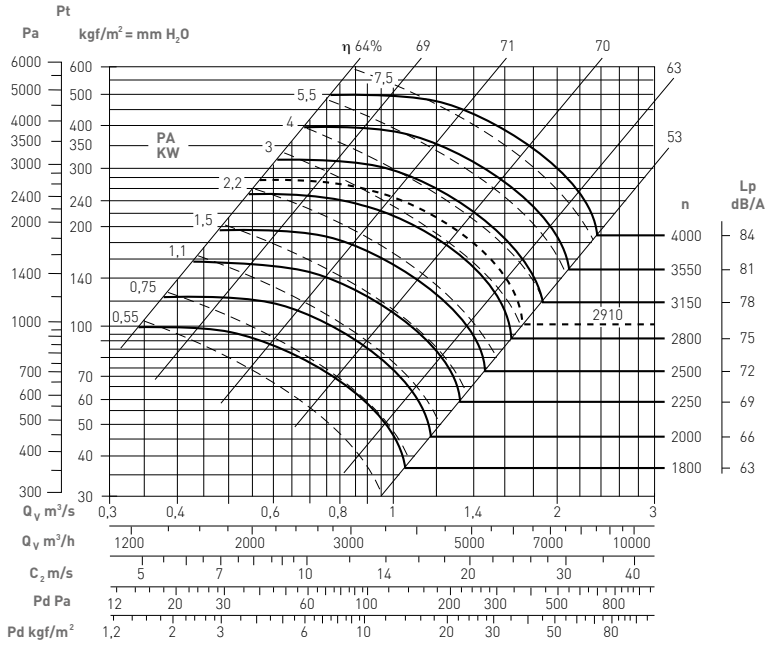
200 ÷ 300 °C = 3150

Noise tolerance + 3 dB

Tolerance on power input ± 3%

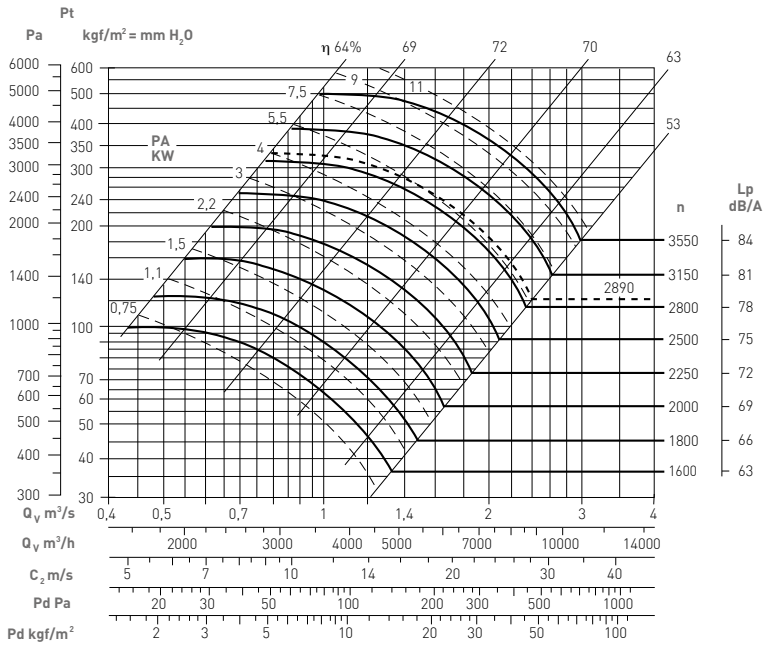
Q= Flow rate in m^3/hour, m^3/s and cfm
Pe= Static pressure expressed in mmH_2O, and Pa

OM1840



Electric fan weight 85 kgf
PD^2 and GD^2 = 0.8 Kgf^2m
Maximum rotation speed
<100 °C = 3550
100 ÷ 200 °C = 3150
200 ÷ 300 °C = 2800
Noise tolerance + 3 dB
Tolerance on power input ± 3%

OM1845



Electric fan weight 102 Kgf
PD^2 and GD^2 = 1.4 Kgf^2m
Maximum rotation speed
<100 °C = 3150
100 ÷ 200 °C = 2800
200 ÷ 300 °C = 2500
Noise tolerance + 3 dB
Tolerance on power input ± 3%

OM1800

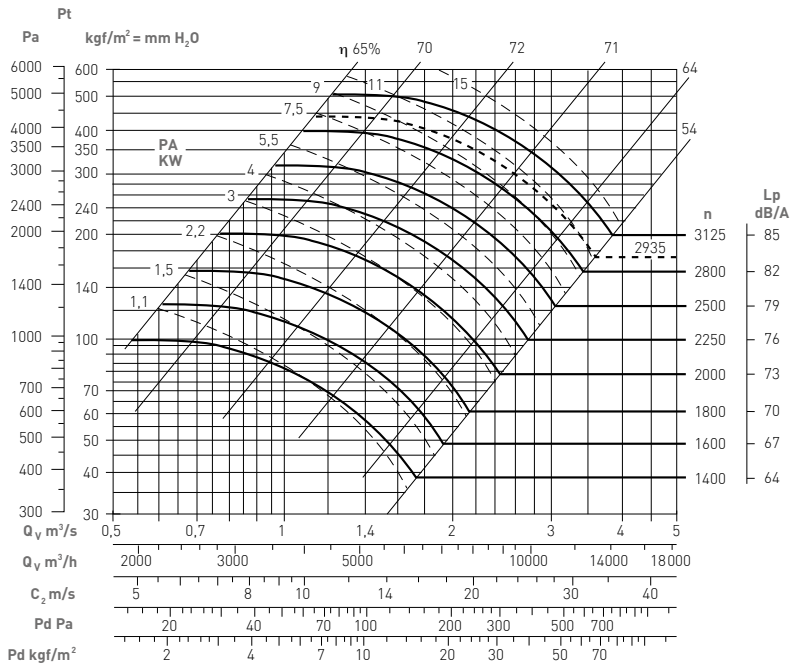
CURVED BACKWARD BLADE CENTRIFUGAL FANS FOR CENTRALISED SYSTEMS

CHARACTERISTIC CURVES

Q= Flow rate in m^3/hour, m^3/s and cfm

Pe= Static pressure expressed in mmH_2O, and Pa

OM1850



Electric fan weight 145 kgf

PD^2 and GD^2 = 2.6 Kgf^2m

Maximum rotation speed

<100 °C = 2800

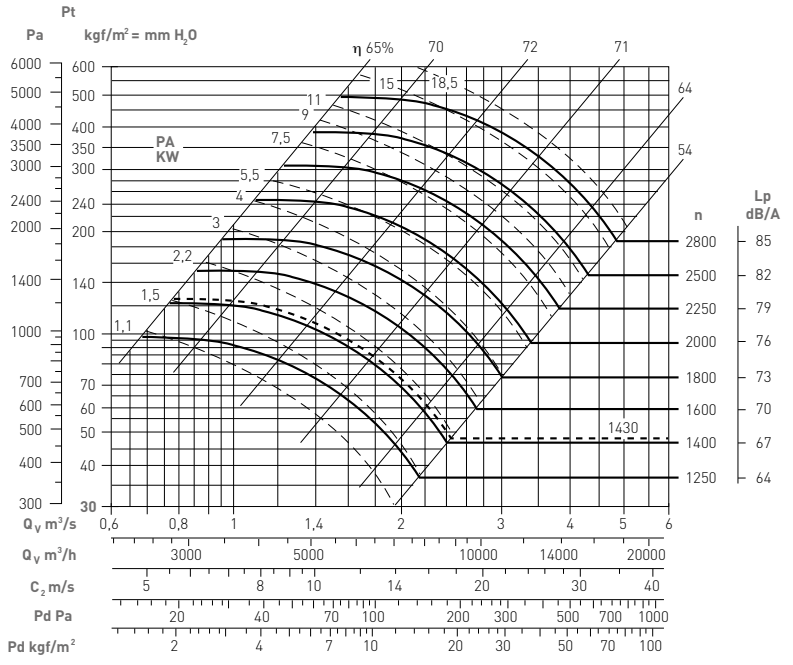
100 ÷ 200 °C = 2500

200 ÷ 300 °C = 2550

Noise tolerance + 3 dB

Tolerance on power input ± 3%

OM1856



Electric fan weight 172 kgf

PD^2 and GD^2 = 3.8 Kgf^2m

Maximum rotation speed

<100 °C = 2500

100 ÷ 200 °C = 2550

200 ÷ 300 °C = 2000

Noise tolerance + 3 dB

Tolerance on power input ± 3%

OM1800 FAN COMPLETE WITH PIPE COUPLINGS

Code	Description
OM1828KIT1	Fan OM1828 - 0.75kW T - RDO complete with pipe couplings Ø 200
OM1831KIT1	Fan OM1831 - 1.1kW T - RDO complete with pipe couplings Ø 200
OM1831KIT2	Fan OM1831 - 1.5kW T - RDO complete with pipe couplings Ø 200
OM1835KIT1	Fan OM1835 - 1.5kW T - RDO complete with pipe couplings Ø 250
OM1835KIT2	Fan OM1835 - 2.2kW T - RDO complete with pipe couplings Ø 250
OM1840KIT1	Fan OM1840 - 3.0kW T - RDO complete with pipe couplings Ø 300
OM1840KIT2	Fan OM1840 - 4.0kW T - RDO complete with pipe couplings Ø 300
OM1845KIT1	Fan OM1845 - 5.5kW T - RDO complete with pipe couplings Ø 400
OM1845KIT2	Fan OM1845 - 7.5kW T - RDO complete with pipe couplings Ø 400
OM1850KIT1	Fan OM1850 - 11kW T - RDO complete with pipe couplings Ø 500
OM1850KIT2	Fan OM1850 - 15kW T - RDO complete with pipe couplings Ø 500
OM1850KIT3	Fan OM1850 - 18.5kW T - RDO complete with pipe couplings Ø 500
OM1856KIT1	Fan OM1856 - 18.5Kw - RDO complete with pipe couplings Ø 500
OM1856KIT2	Fan OM1856 - 22kW - RDO complete with pipe couplings Ø 500

ACCESSORIES

Wall-mounted bracket	Code	Description
	MP250280	Bracket for OM1825-OM1828
	MP310350	Bracket for OM1831-OM1835
	MP400450	Bracket for OM1840-OM1845
	MP500	Bracket for OM1850

Vibrostop kit	Code	Description
	KITSTOPOM1800	KIT 4 Rectangular Vibrostops for OM1800 and OM1900 fans

OM1800

CURVED BACKWARD BLADE CENTRIFUGAL FANS FOR CENTRALISED SYSTEMS

ACCESSORIES

Non-spark nozzle for fan OM1800	Code	Description
	BA00M1828	Brass non-spark nozzle OM1828
	BA00M1831	Brass non-spark nozzle OM1831
	BA00M1835	Brass non-spark nozzle OM1835
	BA00M1840	Brass non-spark nozzle OM1840
	BA00M1845	Brass non-spark nozzle OM1845
	BA00M1850	Brass non-spark nozzle OM1850
	BA00M1856	Brass non-spark nozzle OM1856

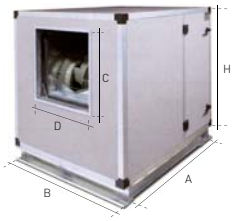
Switches and switchboards	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm
	QA2	Single-phase switchboard 230V 50/60Hz 0.37-2.2kW 16A IP55 padlockable, 2 40x340hx170 mm 2.8 kg. Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/alarms display, multilingual display
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included
	QA3	Three-phase 4-pole switchboard 400V 50/60Hz 0.55-7.5kW 15A IP55 padlockable, 240x340hx170 mm 5.5 kg Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/alarms display, multilingual display, phase sequence alarm for motor rotation
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included
	QELINV1	Electrical panel with inverter for 0.75kW motor
	QELINV2	Electrical panel with inverter for 1.5kW motor
	QELINV3	Electrical panel with inverter for 2.2kW motor
	QELINV4	Electrical panel with inverter for 4kW motor
	QELINV5	Electrical panel with inverter for 5.5kW motor
	QELINV6	Electrical panel with inverter for 7.5kW motor
	QELINV7	Electrical panel with inverter for 11kW motor
	QELINV8	Electrical panel with inverter for 15kW motor
	QELINV9	Electrical panel with inverter for 18.5kW motor

ACCESSORIES

SOUNDPROOFING BOXES FOR EXTRACTORS OM1800

The soundproofing cabin (fanless) for OM1800 centrifugal fans reduces the noise induced by the rotational speed of electric motors and air flows.
It is designed to reduce the noise of the single-inlet centrifugal fans and is constructed as follows:
- load-bearing structure of aluminium profiles and 25 mm thick double-walled panels with sheet metal;
- galvanised on the inside and pre-painted on the outside;
- anti-vibration joints applied on fan delivery and suction;
- grille for motor cooling air intake;
- inspection door with handle and security key.

These measurements are subject to change depending on the arrangement, orientation of the suction-expulsion inlets and drive.

Soundproof boxes for extractors FE1800	Code	Cabin size	Dimensions mm			Output size	Total weight (including FE1800)
			A	B	H	C x D	kg
	BOXOM18001	4	1040	790	790	288 x 205	82
	BOXOM18002	4	1040	790	790	322 x 229	92
	BOXOM18003	5	1040	1040	1040	364 x 256	130
	BOXOM18004	6	1290	1040	1040	404 x 288	172
	BOXOM18005	6	1290	1040	1040	453 x 322	225
	BOXOM18006	7	1540	1540	1290	507 x 361	274
	BOXOM18007	7	1540	1540	1290	453 x 322	388

OM1900

FLAT BACKWARD BLADE CENTRIFUGAL FANS FOR CENTRALISED SYSTEMS

Applications

AUTOMOTIVE

WELDING

Use

Suction of clean or slightly dusty air, exhaust gases, welding fumes in centralised systems.
Temperatures up to 80 °C and above in special versions

DESCRIPTION
Single-inlet centrifugal fan made of painted steel and impeller with thick steel welded curved backward blades suitable for conveying even very dusty air.
The characteristics of high flow rates and medium/high heads and the wide range of available sizes are used in centralised suction systems.
The powers shown in the performance tables have been dimensioned taking into account the machine's performance and an additional safety margin to compensate for possible system faults.

CONSTRUCTION
Welded steel sheet metal structure of adequate thickness, painted with epoxy powder in RAL 7032 grey.
Flat backward blade impellers made of thick steel sheet metal welded and epoxy powder coated, statically and dynamically balanced according to ISO standards.
IE2 efficiency three-phase asynchronous motors normally in 400V/50-60Hz IP55 execution, according to UNELMEC standards. Installed with 2 poles depending on the required pressure, or with double polarity for two-speed versions.

ADDED VALUES
High flow, medium/high pressure, excellent efficiency, minimal noise and vibration levels.
Installation takes place on a foundation support chair common to the fan.
An additional chair secured to the suction inlet can be requested to increase the robustness of the machine.
Special versions: ATEX for explosion-hazardous environments regulated by 94/9/EC.
Orientations:
- RD0 standard
- Other versions on request.

CERTIFICATIONS

CE UKCA

PACKAGING

Weight 60 kg
Packaging volume 1 m^3
(120x80x105 cm)

Fan complete with connections

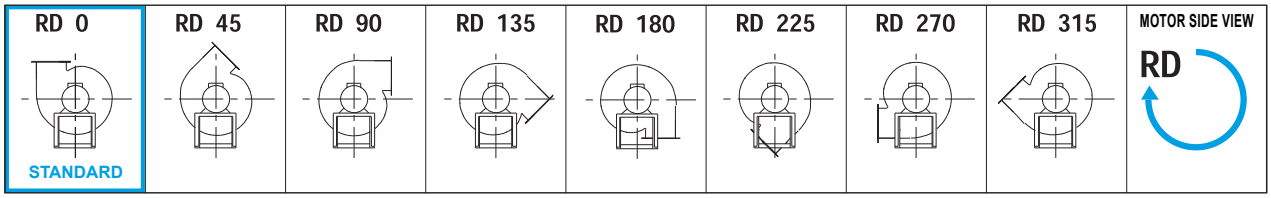
TECHNICAL FEATURES

Flow rate	Pressure	Impeller		Motor			Limit fluid temperature	
		Ø min.	Ø max.	V/Hz	Poles	IP	Min.	Max.
m^3/h	Pa	mm	mm				°C	°C
930 to 24,200	380 to 3700	250	630	400/3/50-60	2	55	-25	+60

DIRECTION OF ROTATION

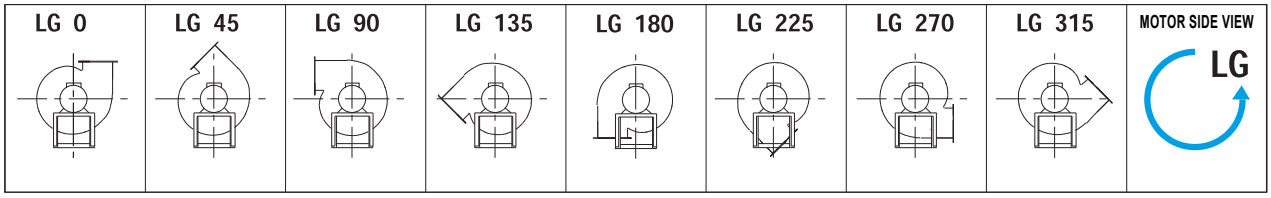
HOURLY ROTATION

VALUES:
H = RD 0 - RD 45 - RD 90 - RD 135
H_1= RD 180 - RD 225
H_2= RD 270 - RD 315



COUNTER-CLOCKWISE ROTATION

VALUES:
H = LG 0 - LG 45 - LG 90 - LG 135
H_1= LG 180 - LG 225
H_2= LG 270 - LG 315

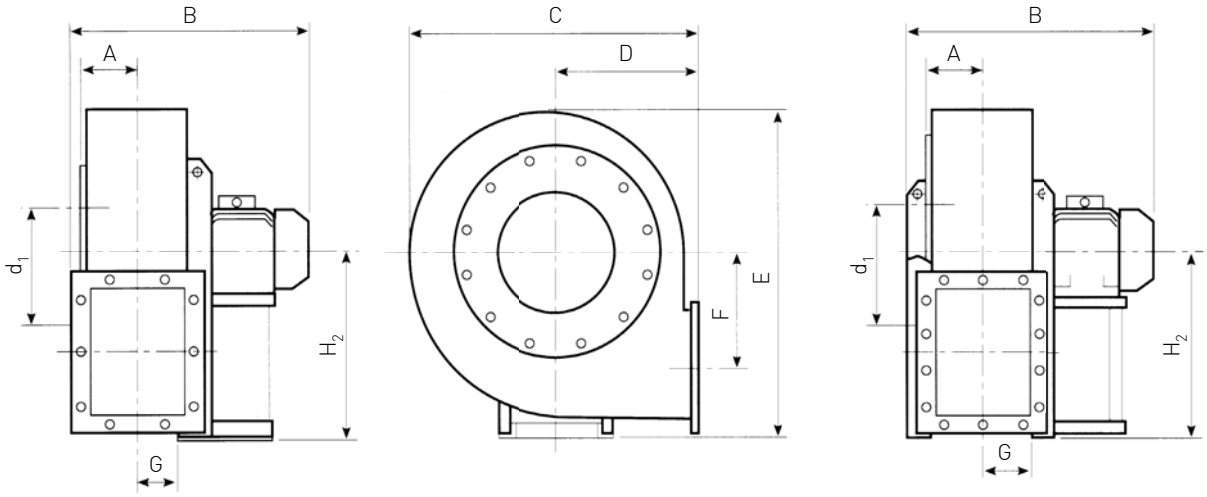


0M1900

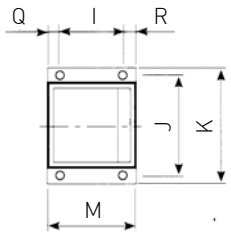
FLAT BACKWARD BLADE CENTRIFUGAL FANS FOR CENTRALISED SYSTEMS

DIMENSIONS

Model	Motor	KG	PD² KG F m²	Electric fan										Suction flange				
				A	B	C	D	E	F	G	H	H_1	H_2	d	d_1	d_2	N.	Ø
0M1925	71B-2	33	0.145	94	435	441	195	526	149	96	315	195	315	255	292	325	8	10
0M1928	80B-2	43	0.195	105	450	477	200	610	172	105	375	200	375	285	332	365	8	10
0M1931	90L-2	52	0.32	117	539	527	225	658	196	117	400	225	400	320	366	400	8	10
0M1935	100L-2	80	0.52	130	636	600	255	740	216	131	450	255	450	360	405	440	8	10
0M1940	112M-2	95	1.1	147	668	655	285	815	245	147	500	285	500	405	448	485	8	10
0M1940	132S- 2	108	1.1	147	730	655	285	815	245	147	500	285	500	405	448	485	8	10
0M1945	132S- 2	124	1.9	163	764	735	320	915	275	165	560	320	560	455	497	535	8	10
0M1945	160M-2	160	1.9	163	900	735	320	915	275	165	560	320	560	455	497	535	8	10
0M1950	160M-2	187	3.1	183	939	832	360	1000	303	185	600	360	600	505	551	585	8	10
0M1950	160L-2	196	3.1	183	939	832	360	1000	303	185	600	360	600	505	551	585	8	10

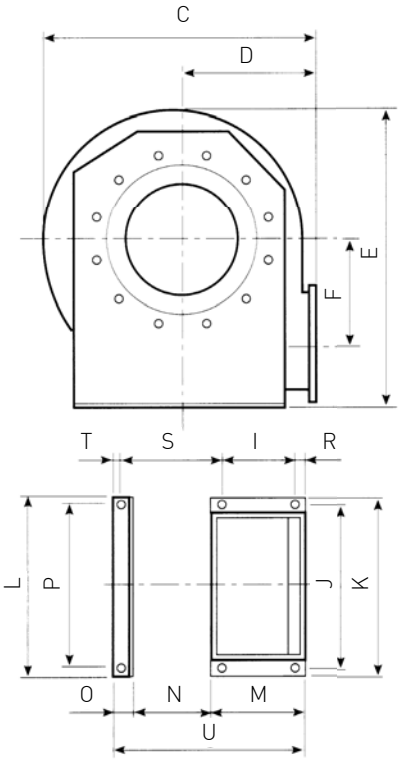


Sizes 250 to 500 with electric motor in **B3**.

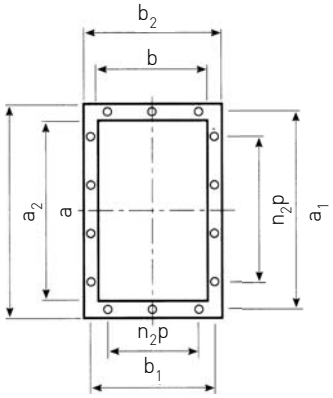


Drilling of electric motor support chair

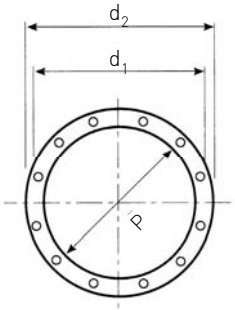
Pressing flange										Electric motor chair														
a	b	a_1	b_1	a_2	b_2	$n_1$xp	$n_2$xp	No.	Ø	I	J	K	L	M	N	O	P	Q	R	S	T	U	Ø
258	185	292	219	328	255	1x112	2x112	10	12	121	203	225	-	180	-	-	-	45	14	-	-	-	10
288	205	332	249	368	285	1x125	2x125	10	12	121	203	225	-	180	-	-	-	45	14	-	-	-	10
322	229	366	273	402	309	1x125	2x125	10	12	133	234	260	-	205	-	-	-	55	17	-	-	-	10
361	256	405	300	441	336	2x125	3x125	10	12	197	289	324	-	250	-	-	-	30	23	-	-	-	12
404	288	448	332	484	368	2x125	3x125	14	12	197	289	324	-	250	-	-	-	30	23	-	-	-	12
404	288	448	332	484	368	2x125	3x125	14	12	237	337	372	-	300	-	-	-	40	23	-	-	-	12
453	322	497	366	533	402	2x125	3x125	14	12	237	337	372	-	300	-	-	-	40	23	-	-	-	12
453	322	497	366	533	402	2x160	3x160	14	12	337	395	440	-	415	-	-	-	50	28	-	-	-	14
507	361	551	405	587	441	2x160	3x160	14	12	337	395	440	-	415	-	-	-	50	28	-	-	-	14
507	361	551	405	587	441	1x125	2x125	14	12	337	395	440	-	415	-	-	-	50	28	-	-	-	14



Drilling holes for chair on suction inlet



Pressing flange



Suction flange

0M1900

FLAT BACKWARD BLADE CENTRIFUGAL FANS FOR CENTRALISED SYSTEMS

PERFORMANCE TABLE

Model	Motor	Power installed kW	No. of revs RPM	Power sound dB(A)	Total pressure (PT = Pa) Flow rate (v = m³/h)								
					930	1080	1190	1330	1500	1700	1900	2150	2400
0M1925	71 B-2	0.55	2820	70	870	850	830	800	760	720	680	600	520
0M1928	80 B-2	1.10	2840	72	-	-	-	1100	1060	1030	1000	960	910
0M1931	90L-2	2.20	2850	76	-	-	-	-	-	-	1390	1360	1320
0M1935	100LA-2	3.00	2900	79	-	-	-	-	-	-	-	-	-
0M1940	112M-2	4.00	2900	82	-	-	-	-	-	-	-	-	-
0M1940	132SA-2	5.50	2900	84	-	-	-	-	-	-	-	-	-
0M1945	132SB-2	7.50	2900	86	-	-	-	-	-	-	-	-	-
0M1945	160M-2	11.00	2930	88	-	-	-	-	-	-	-	-	-
0M1950	160M-2	15.00	2940	89	-	-	-	-	-	-	-	-	-
0M1950	160L-2	18.50	2940	92	-	-	-	-	-	-	-	-	-

Performance data were measured with appropriate instruments in our workshops.
Performance in air at 15 °C with a pressure of 760 mmH_2O.
The indicated flow and pressure performances refer to the installation of the electric fan with ducted delivery.
The reported noise is expressed in sound pressure, measured at a distance of 1.5 m in free field.
The power values indicated refer to the actual power installed in the electric fan.
Refer to the performance curves for the correct model selection.

Total pressure (PT = Pa)																			
Flow rate (v = m³/h)																			
2700	3050	3450	3850	4250	4750	5400	6150	6850	7650	8500	9500	10800	12000	13500	13300	17000	19000	21600	24200
380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
850	770	670	520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1280	1230	1780	1740	990	870	680	-	-	-	-	-	-	-	-	-	-	-	-	-
1850	1820	1780	1740	1680	1600	1500	1370	1220	980	-	-	-	-	-	-	-	-	-	-
-	-	-	2130	2100	2070	2010	1940	1840	1700	1480	950	-	-	-	-	-	-	-	-
-	-	-	2310	2260	2200	2140	2070	1970	1850	1710	1480	1170	760	-	-	-	-	-	-
-	-	-	-	-	-	2690	2680	2670	2630	2580	2440	2200	1870	1270	-	-	-	-	-
-	-	-	-	-	-	2920	2890	2840	2780	2660	2530	2340	2130	1850	1560	1070	-	-	-
-	-	-	-	-	-	-	-	-	3350	3310	3270	3200	3090	2910	2680	2270	1460	-	-
-	-	-	-	-	-	-	-	-	3700	3660	3570	3460	3340	3200	3020	2810	2490	2000	1220

OM1900

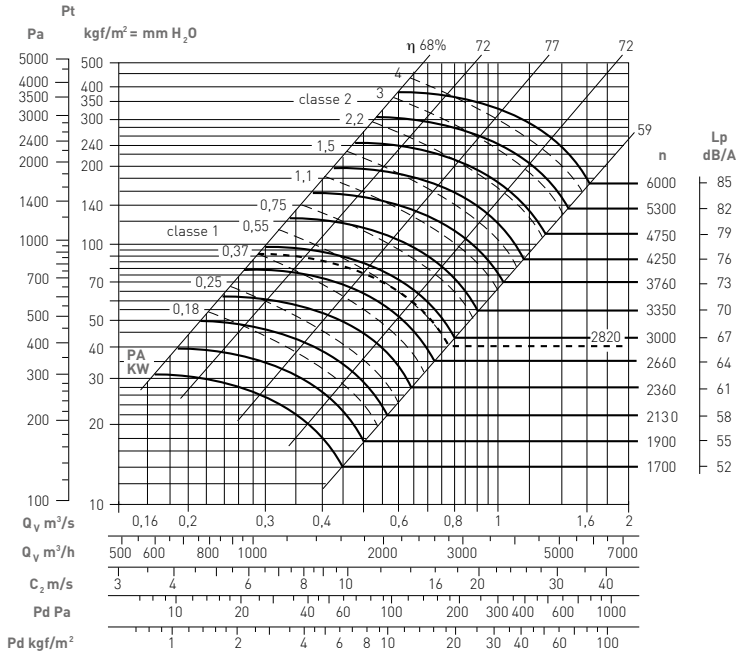
FLAT BACKWARD BLADE CENTRIFUGAL FANS FOR CENTRALISED SYSTEMS

CHARACTERISTIC CURVES

Q= Flow rate in m^3/hour, m^3/s and cfm

Pe= Static pressure expressed in mmH_2O, and Pa

OM1925



Electric fan weight 30 Kgf

PD^2 and GD^2 = 0.145 Kgf^2m

Maximum rotation speed

<100 °C = 4950

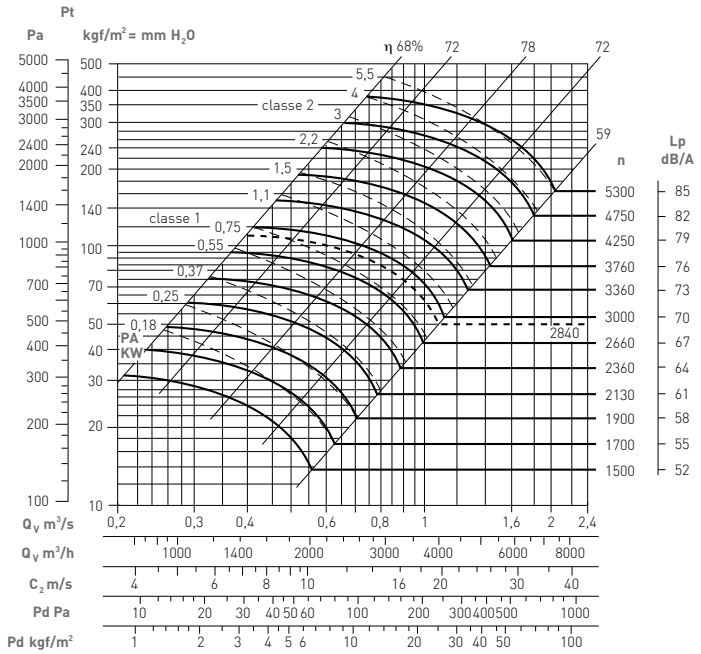
100 ÷ 200 °C = 4500

200 ÷ 300 °C = 4000

Noise tolerance + 3 dB

Tolerance on power input ± 3%

OM1928



Electric fan weight 41 Kgf

PD^2 and GD^2 = 0.195 Kgf^2m

Maximum rotation speed

<100 °C = 3950

100 ÷ 200 °C = 3550

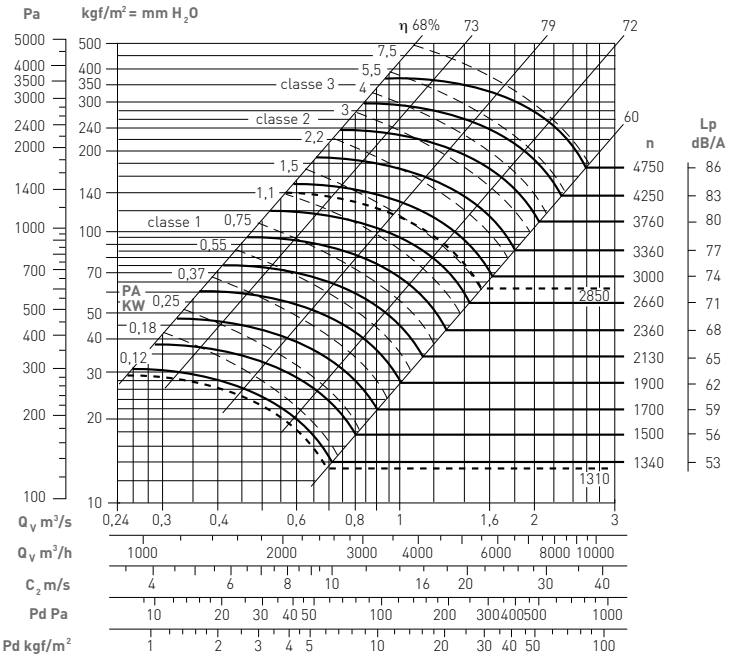
200 ÷ 300 °C = 3120

Noise tolerance + 3 dB

Tolerance on power input ± 3%

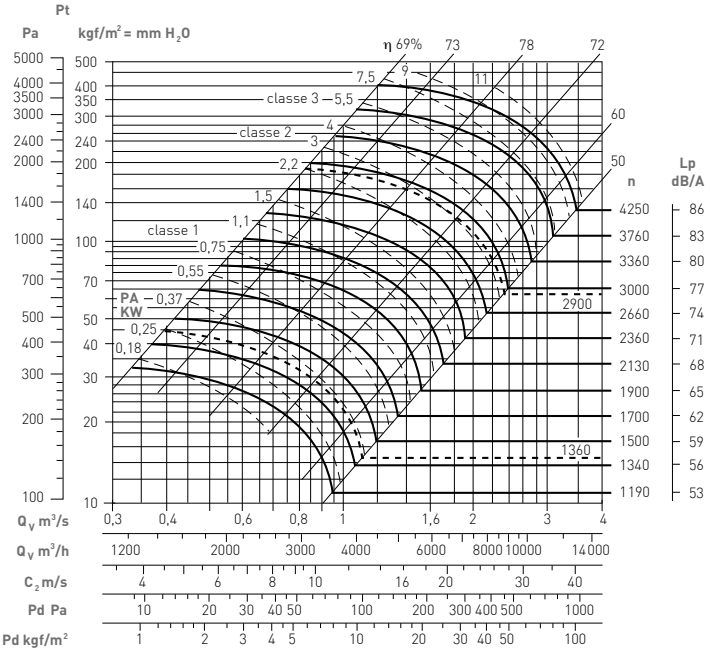
Q= Flow rate in m^3/hour, m^3/s and cfm
Pe= Static pressure expressed in mmH_2O, and Pa

OM1931



Electric fan weight 46 Kgf
PD^2 and GD^2 = 0.32 Kgf^2m
Maximum rotation speed
<100 °C = 3100
100 ÷ 200 °C = 2800
200 ÷ 300 °C = 2500
Noise tolerance + 3 dB
Tolerance on power input ± 3%

OM1935



Electric fan weight 72 kgf
PD^2 and GD^2 = 0.52 Kgf^2m
Maximum rotation speed
<100 °C = 2800
100 ÷ 200 °C = 2500
200 ÷ 300 °C = 2250
Noise tolerance + 3 dB
Tolerance on power input ± 3%

OM1900

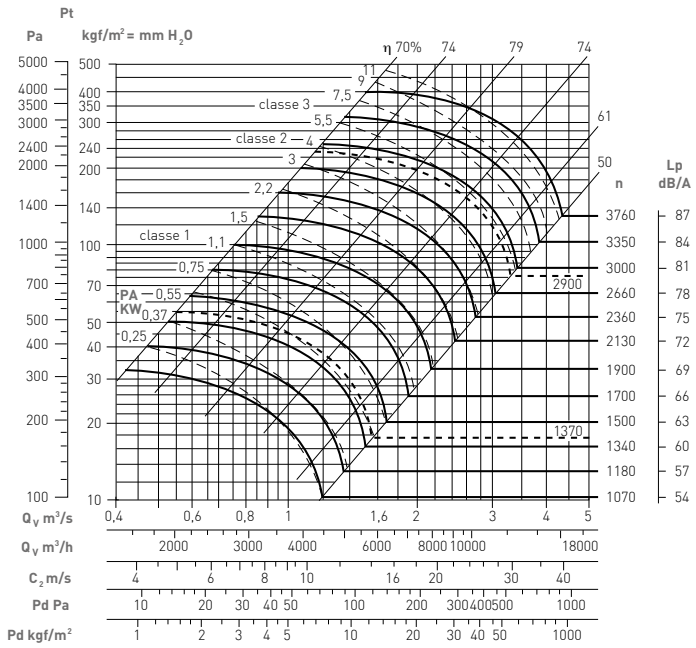
FLAT BACKWARD BLADE CENTRIFUGAL FANS FOR CENTRALISED SYSTEMS

CHARACTERISTIC CURVES

Q= Flow rate in m^3/hour, m^3/s and cfm

Pe= Static pressure expressed in mmH_2O, and Pa

OM1940



Electric fan weight 85 kgf

PD^2 and GD^2 = 1.1 Kgf^2m

Maximum rotation speed

<100 °C = 2840

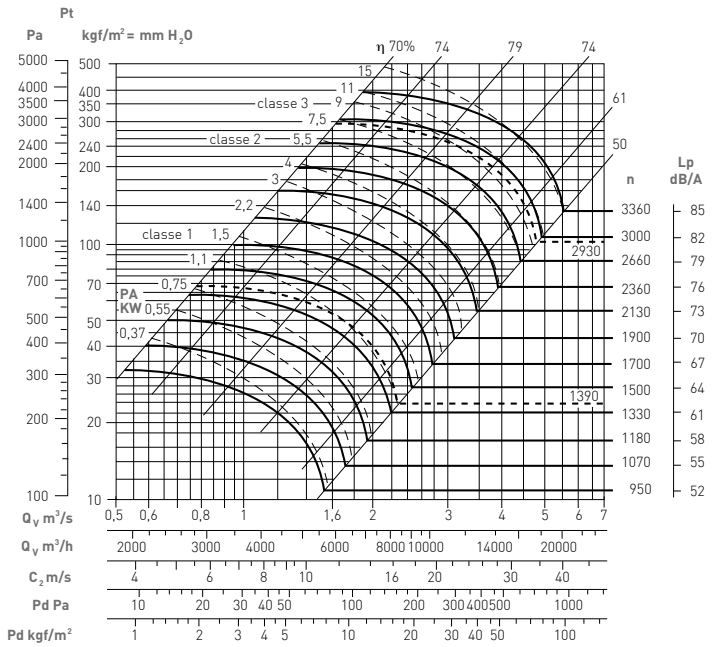
100 ÷ 200 °C = 2250

200 ÷ 300 °C = 2000

Noise tolerance + 3 dB

Tolerance on power input ± 3%

OM1945



Electric fan weight 100 kgf

PD^2 and GD^2 = 1.9 Kgf^2m

Maximum rotation speed

<100 °C = 2200

100 ÷ 200 °C = 2000

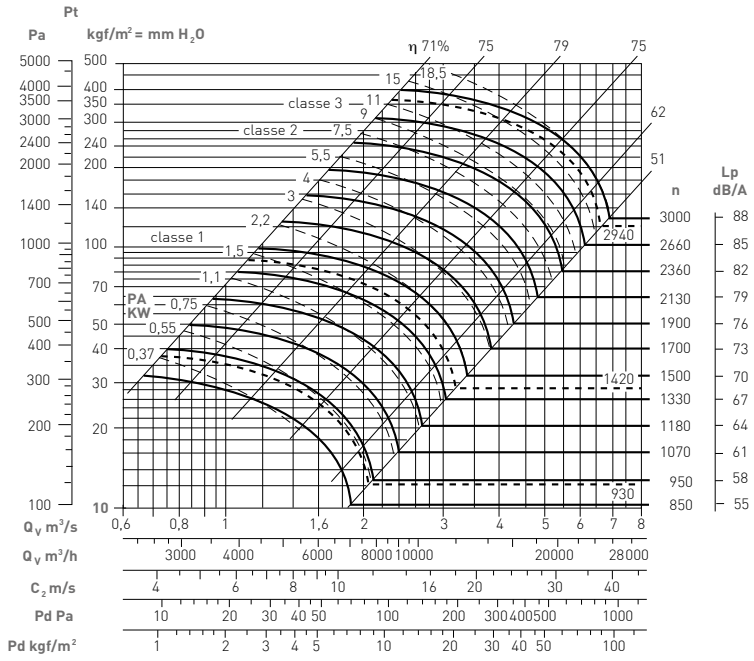
200 ÷ 300 °C = 1870

Noise tolerance + 3 dB

Tolerance on power input ± 3%

Q= Flow rate in m^3/hour, m^3/s and cfm
Pe= Static pressure expressed in mmH_2O, and Pa

OM1950



Electric fan weight 141 Kgf
PD^2 and GD^2 = 3.1 Kgf^2m
Maximum rotation speed
<100 °C = 2050
100 ÷ 200 °C = 1800
200 ÷ 300 °C = 1580
Noise tolerance + 3 dB
Tolerance on power input ± 3%

OM1900

FLAT BACKWARD BLADE CENTRIFUGAL FANS FOR CENTRALISED SYSTEMS

OM1900 FAN COMPLETE WITH PIPE COUPLINGS

Codice	Descrizione	
OM1925KIT1	Fan OM1925 - 0.55kW T	- RDO complete with pipe couplings Ø 150
OM1928KIT1	Fan OM1928 - 1.1kW T	- RDO complete with pipe couplings Ø 200
OM1931KIT1	Fan OM1931 - 2.2kW T	- RDO complete with pipe couplings Ø 250
OM1935KIT1	Fan OM1935 - 3.0kW T	- RDO complete with pipe couplings Ø 250
OM1940KIT1	Fan OM1940 - 4.0kW T	- RDO complete with pipe couplings Ø 350
OM1940KIT2	Fan OM1940 - 5.5kW T	- RDO complete with pipe couplings Ø 350
OM1945KIT1	Fan OM1945 - 7.5kW T	- RDO complete with pipe couplings Ø 400
OM1945KIT2	Fan OM1945 - 11kW T	- RDO complete with pipe couplings Ø 400
OM1950KIT1	Fan OM1950 - 15kW T	- RDO complete with pipe couplings Ø 550
OM1950KIT2	Fan OM1950 - 18.5kW T	- RDO complete with pipe couplings Ø 550

ACCESSORIES

Wall-mounted bracket	Code	Description
	MP250280	Bracket for OM1925-OM1928
	MP310350	Bracket for OM1931-OM1935
	MP400450	Bracket for OM1940-OM1945
	MP500	Bracket for OM1950

Vibrostop kit	Code	Description
	KITSTOPOM1800	KIT 4 Rectangular Vibrostops for OM1800 and OM1900 fans

ACCESSORIES

Non-spark nozzle for fan OM1900	Code	Description
	BAOOM1925	BBrass non-spark nozzle OM1925
	BAOOM1928	Brass non-spark nozzle OM1928
	BAOOM1931	Brass non-spark nozzle OM1931
	BAOOM1935	Brass non-spark nozzle OM1935
	BAOOM1940	Brass non-spark nozzle OM1940
	BAOOM1945	Brass non-spark nozzle OM1945
	BAOOM1950	Brass non-spark nozzle OM1950

Switches and switchboards	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm
	QA2	Single-phase switchboard 230V 50/60Hz 0.37-2.2kW 16A IP55 padlockable, 240x340hx170 mm 2.8 kg. Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/ alarms display, multilingual display
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included
	QA3	Three-phase 4-pole switchboard 400 V50/60Hz 0.55-7.5kW 15A IP55 padlockable, 240x340hx170 mm 5.5 kg Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/alarms display, multilingual display, phase sequence alarm for motor rotation
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included
	QELINV1	Electrical panel with inverter for 0.75kW motor
	QELINV2	Electrical panel with inverter for 1.5kW motor
	QELINV3	Electrical panel with inverter for 2.2kW motor
	QELINV4	Electrical panel with inverter for 4kW motor
	QELINV5	Electrical panel with inverter for 5.5kW motor
	QELINV6	Electrical panel with inverter for 7.5kW motor
	QELINV7	Electrical panel with inverter for 11kW motor
	QELINV8	Electrical panel with inverter for 15kW motor
	QELINV9	Electrical panel with inverter for 18.5kW motor

OM1900

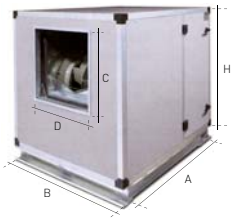
FLAT BACKWARD BLADE CENTRIFUGAL FANS FOR CENTRALISED SYSTEMS

ACCESSORIES

SOUNDPROOFING BOXES FOR EXTRACTORS OM1900

The soundproofing cabin (fanless) for OM1900 centrifugal fans reduces the noise induced by the rotational speed of electric motors and air flows.
It is designed to reduce the noise of the single-inlet centrifugal fans and is constructed as follows:
- load-bearing structure of aluminium profiles and 25 mm thick double-walled panels with sheet metal;
- galvanised on the inside and pre-painted on the outside;
- anti-vibration joints applied on fan delivery and suction;
- grille for motor cooling air intake;
- inspection door with handle and security key.

These measurements are subject to change depending on the arrangement, orientation of the suction-expulsion inlets and drive.

Soundproof boxes for extractors OM1900	Code	Cabin size	Dimensions mm			Output size	Total weight (including FE1900)
			A	B	H	C x D	kg
	BOXOM19001	4	1040	790	790	288 x 205	82
	BOXOM19002	4	1040	790	790	322 x 229	92
	BOXOM19003	5	1040	1040	1040	364 x 256	130
	BOXOM19004	6	1290	1040	1040	404 x 288	172
	BOXOM19005	6	1290	1040	1040	453 x 322	225
	BOXOM19006	7	1540	1540	1290	507 x 361	274

OM2100

FORWARD BLADE CENTRIFUGAL FANS
SINGLE-INLET

Use Suction of low-dust air

Construction Auger: painted steel sheet metal
Impeller: galvanised and reinforced

Applications

AUTOMOTIVE

WELDING

DESCRIPTION
Single-inlet centrifugal fans made of painted steel sheet metal and reinforced galvanised impeller with forward blade (sirocco type) suitable for conveying low-dust air.
The low-flow and low-pressure characteristics allow (with specific adaptation and construction modifications) a wide use in our welding fume extraction equipment (suction arms) for optimal efficiency (low energy consumption) and low noise impact.

CONSTRUCTION
The fan structure is made entirely of welded steel sheet metal of suitable thickness and then epoxy powder-coated in RAL 9005 black.
In the standard version, the electric fan is in the B5 version and therefore without chair and base, installed by drilling holes in the suction inlet.
Impellers with forward curved blades made of galvanised steel sheet metal and statically and dynamically balanced according to ISO standards while keeping noise and vibrations to a minimum.

MOTORS
IE2 efficiency three-phase asynchronous normally in 230V/1/50 or 400V/50-60Hz IP55 execution, according to UNELMEC standards.
Installed with 2 poles or dual polarity for two-speed versions. Installation takes place on a foundation support chair common to the fan.
The powers shown in the performance tables have been dimensioned taking into account the machine's performance and an additional safety margin to compensate for possible system faults.

Detail of the impeller made from galvanised steel sheet metal

CERTIFICATIONS

CE UKCA

PACKAGING

Peso 60 kg
Volume imballo 1 m^3
(120x80x70 cm)

0M2100

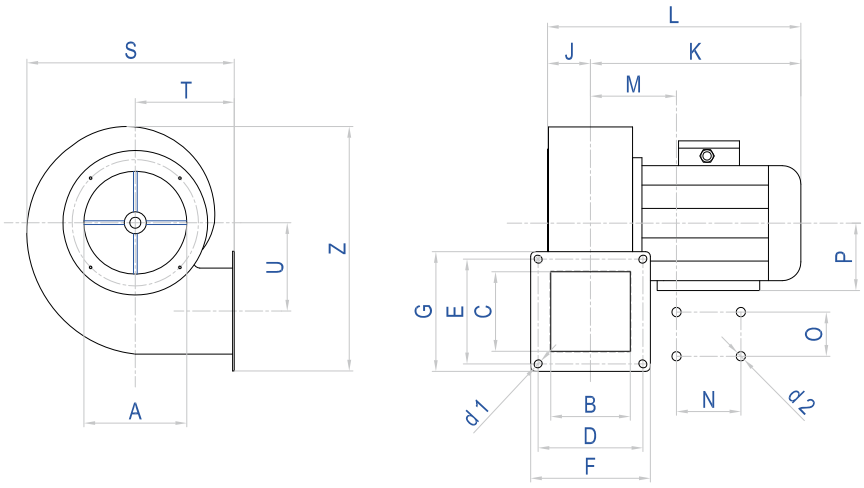
FORWARD BLADE CENTRIFUGAL FANS
SINGLE-INLET

TECHNICAL FEATURES

Flow rate	Pressure	Impeller		Motor			Limit fluid temperature	
		Ø min.	Ø max.	V/Hz	Poles	IP	Min.	Max.
m^3/h	Pa	mm	mm				°C	°C
200 to 3000	320 to 1800	130	250	230/1/50 400/3/50-60	2	55	-25	+60

DIMENSIONS

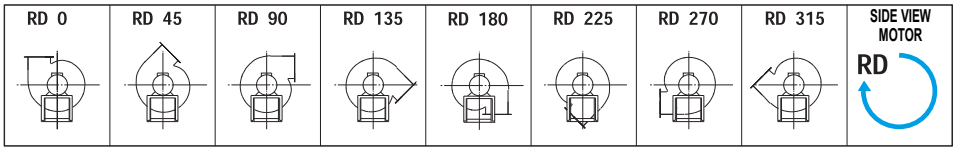
Model	Motor	Weight Kg F	Weight Kg	Dimensions mm																			
				A	B	C	D	E	d_1	d_2	F	G	J	K	L	M	N	O	P	S	T	U	Z
0M2110	80 M2	20	16	205	150	150	165	165	7	10	190	190	73	303	377	122	100	125	80	335	148	145	400
0M2120	80 M2	25	16	205	150	150	165	165	7	10	190	190	73	303	377	122	100	125	80	335	148	145	400
0M2130	90 S2	30	20	162	173	173	194	205	9,5	-	222	233	97	360	440	130	-	-	105	400	180	160	438



ROTATION DIRECTIONS (MOTOR SIDE VIEW)

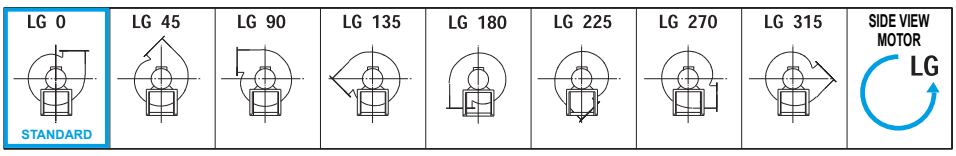
HOURLY ROTATION

VALUES:
H = RD 0 - RD 45 - RD 90 - RD 135
H_1 = RD 180 - RD 225
H_2 = RD 270 - RD 315



COUNTER-CLOCKWISE ROTATION

VALUES:
H = LG 0 - LG 45 - LG 90 - LG 135
H_1 = LG 180 - LG 225
H_2 = LG 270 - LG 315



PERFORMANCE TABLE

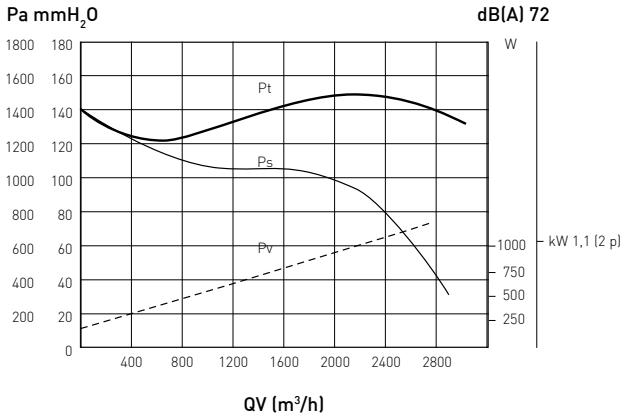
Model	Power	N. revs	Power sound	Total pressure (PT = Pa) Flow rate (v = m³/h)																								
	kW	RPM	dB(A)	790	860	950	1040	1130	1220	1310	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
OM2110	1.1	2850	74.1	1220	1230	1240	1260	1280	1310	1340	1370	1400	1430	1460	1500	-	-	-	-	-	-	-	-	-	-	-	-	-
OM2120	1.5	2850	74.1	1220	1230	1240	1260	1280	1310	1340	1370	1400	1430	1460	1500	1520	1540	1560	1570	1580	-	-	-	-	-	-	-	-
OM2130	2.2	2850	77	-	-	-	-	-	-	-	-	-	1800	1750	1700	1650	1620	1530	1550	1500	1440	1400	1340	1300	1260	1240	1200

Performance data were measured with appropriate instruments in our workshops.
Performance in air at 15 °C with a pressure of 760 mmH_2O.
The indicated flow and pressure performances refer to the installation of the electric fan with ducted delivery.
The reported noise is expressed in sound pressure, measured at a distance of 1.5 m in free field.
The power values indicated refer to the actual power installed in the electric fan.
Refer to the performance curves for the correct model selection.

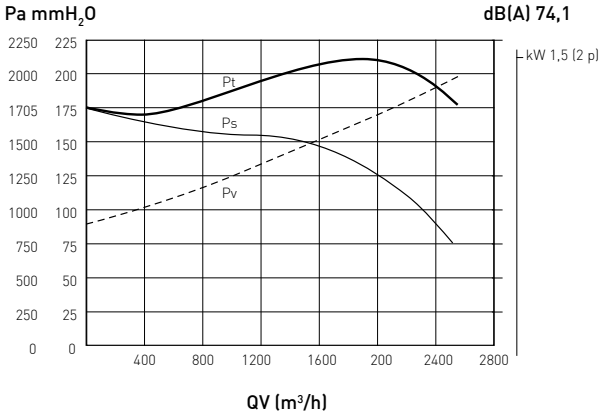
CHARACTERISTIC CURVES

Q= flow rate in m^3/h and m^3/s Pa = static pressure in mmH_2O

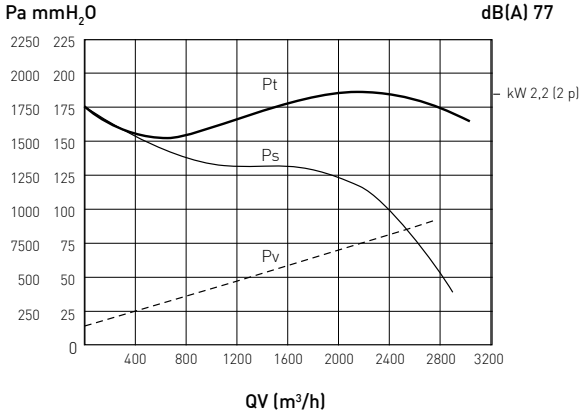
OM2110



OM2120



OM2130



OM2100

FORWARD BLADE CENTRIFUGAL FANS
SINGLE-INLET

DESCRIPTION

OM2110

Code	Description
OM211001	Centrifugal electric fan OM2110 - 1.1kW 230V/1f/50Hz - without expulsion fitting
OM211002	Centrifugal electric fan OM2110 - 1.1kW 230V/1f/50Hz - with expulsion fitting Ø 158 mm for hoses
OM211003	Centrifugal electric fan OM2110 - 1.1kW 230V/1f/50Hz - with expulsion fitting Ø 160mm with vibration-damping joint
OM211004	Centrifugal electric fan OM2110 - 1.1kW 230V/1f/50Hz - with expulsion fitting Ø 178 mm for hoses
OM211005	Centrifugal electric fan OM2110 - 1.1kW 230V/1f/50Hz - with expulsion fitting Ø 180 mm with vibration-damping joint
OM211006	Centrifugal electric fan OM2110 - 1.1kW 400V/3f/50-60Hz - without expulsion fitting
OM211007	Centrifugal electric fan OM2110 - 1.1kW 400V/3f/50-60 Hz - with expulsion fitting Ø 158 mm for hoses
OM211008	Centrifugal electric fan OM2110 - 1.1kW 400V/3f/50-60Hz - with expulsion fitting Ø 160 mm with vibration-damping joint
OM211009	Centrifugal electric fan OM2110 - 1.1kW 400V/3f/50-60Hz - with expulsion fitting Ø 178 mm for hoses
OM211010	Centrifugal electric fan OM2110 - 1.1kW 400V/3f/50-60Hz - with expulsion fitting Ø 180 mm with vibration-damping joint

OM2120

Code	Description
OM212001	Centrifugal electric fan OM2120 - 1.5kW 230V/1f/50Hz - without expulsion fitting
OM212002	Centrifugal electric fan OM2120 - 1.5kW 230V/1f/50Hz - with expulsion fitting Ø 158 mm for hoses
OM212003	Centrifugal electric fan OM2120 - 1.5kW 230V/1f/50Hz - with expulsion fitting Ø 160 mm with vibration-damping joint
OM212004	Centrifugal electric fan OM2120 - 1.5kW 230V/1f/50Hz - with expulsion fitting Ø 178 mm for hoses
OM212005	Centrifugal electric fan OM2120 - 1.5kW 230V/1f/50Hz - with expulsion fitting Ø 180 mm with vibration-damping joint
OM212006	Centrifugal electric fan OM2120 - 1.5kW 400V/3f/50-60Hz - without expulsion fitting
OM212007	Centrifugal electric fan OM2120 - 1.5kW 400V/3f/50-60Hz - with expulsion fitting to Ø 158 mm for hose
OM212008	Centrifugal electric fan OM2120 - 1.5kW 400V/3f/50-60Hz - with expulsion fitting at Ø 160 mm with vibration-damping joint
OM212009	Centrifugal electric fan OM2120 - 1.5kW 400V/3f/50-60Hz - with expulsion fitting to Ø 178 mm for hose
OM212010	Centrifugal electric fan OM2120 - 1.5kW 400V/3f/50-60Hz - with expulsion fitting at Ø 180 mm with vibration-damping joint

OM2130

Code	Description
OM213001	Centrifugal electric fan OM2130 - 2.2kW 230V/1f/50Hz - without expulsion fitting
OM213002	Centrifugal electric fan OM2130 - 2.2kW 230V/1f/50Hz - with expulsion fitting to Ø 198 mm for hose
OM213003	Centrifugal electric fan OM2130 - 2.2kW 400V/3f/50-60Hz - without expulsion fitting
OM213004	Centrifugal electric fan OM2130 - 2.2kW 400V/3f/50-60Hz - with expulsion fitting to Ø 198 mm for hose

0M2100

FORWARD BLADE CENTRIFUGAL FANS
SINGLE-INLET

ACCESSORIES

Switches and switchboards	Code	Description
	QA1	4 pole isolating switch 32A IP66 padlockable, 125x150hx93 mm
	QA2	Single-phase switchboard 230V 50/60Hz 0.37-2.2kW 16A IP55 padlockable, 240x340hx170 mm 2.8 kg. Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/ alarms display, multilingual display
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included
	QA3	Three-phase 4-pole switchboard 400V 50/60Hz 0.55-7.5kW 15A IP55 padlockable, 240x340hx170 mm 5.5 kg Functions: magnetothermal protection, auto-setting based on the connected motors, remote start/stop in centralised system, voltage/current/cosΦ/alarms display, multilingual display, phase sequence alarm for motor rotation
	KITQA	GSM kit (optional) for smartphone control - free downloadable App - SIM not included

Silencers	Code	Description
	SIL160900	Silencer Ø 160 mm L. 900 mm for spiral pipe with 50 mm external insulation - 9 kg
	SIL200900	Silencer Ø 200 mm L. 900 mm for spiral pipe with 50 mm external insulation - 10.5 kg
	SIL315900	Silencer Ø 315 mm L. 900 mm for spiral pipe with 50 mm external insulation - 15 kg
	SIL355900	Silencer Ø 355 mm L. 900 mm for spiral pipe with 50 mm external insulation - 18 kg
	SIL400900	Silencer Ø 400 mm L. 900 mm for spiral pipe with 50 mm external insulation - 21 kg

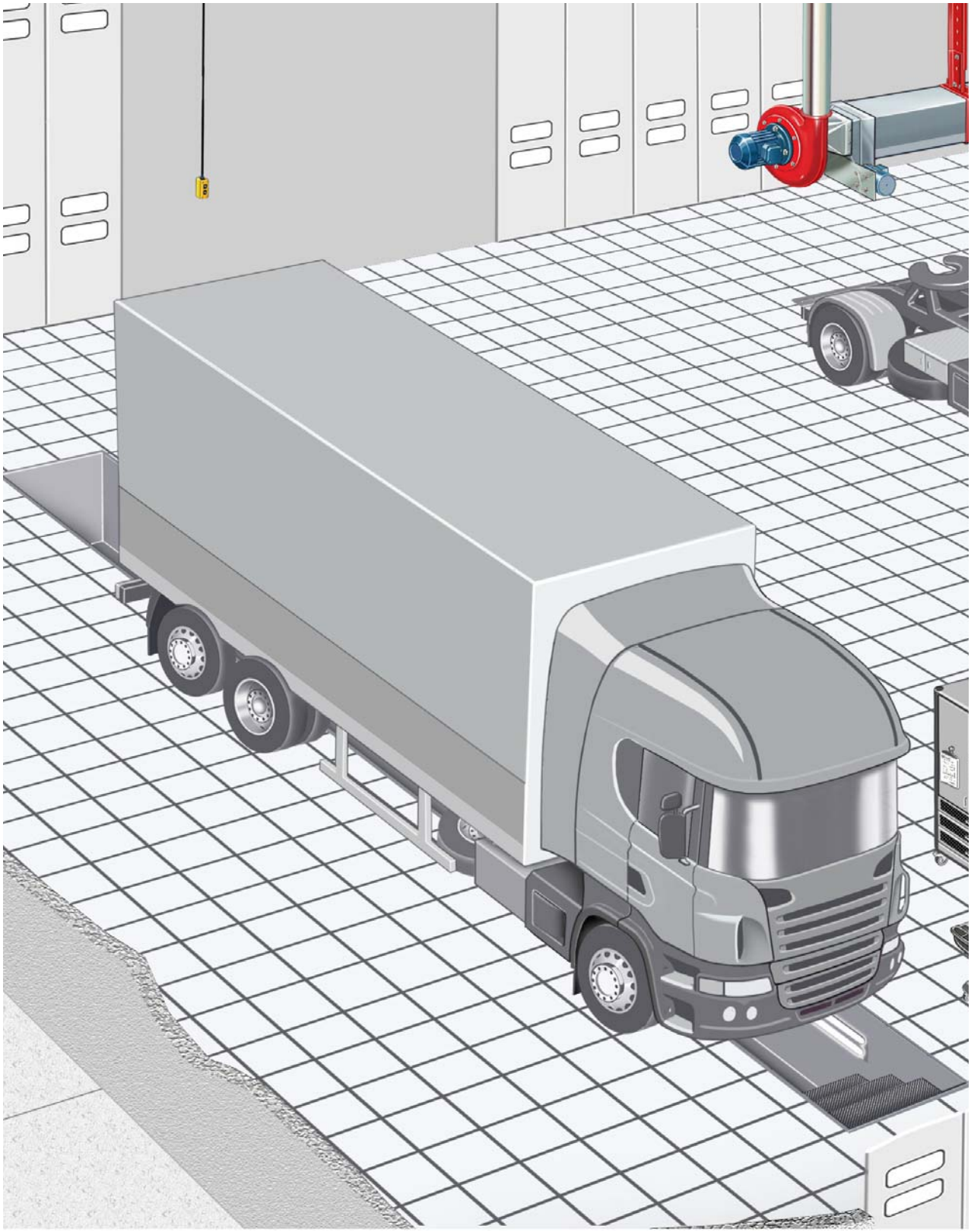
ACCESSORIES

Extractor reduction hoppe OM2110-OM2120	Code	Description
	TRA1	Square-round fitting for OM2110/OM2120 flange 190x190 at Ø 160R
	TRA2	Vibration-damping joint Ø 160R height 100 mm
	TRA3	Square-round fitting for OM2110/OM2120 flange 190x190 of Ø 158 for hose
	TRA4	Square-round fitting for OM2110/OM2120 flange 190x190 at Ø 180R
	TRA5	Vibration-damping joint Ø 180R height 100 mm
	TRA6	Square-round fitting for OM2110/OM2120 flange 190x190 of Ø 178 for hose

Wall bracket kit for OM2110-OM2120-OM2130	Code	Description
	KITOM2100	Wall bracket kit for OM2110-OM2120-OM2130 fans

Soundproof boxes for extractors OM2100	Code	
	BOXOM2100	Soundproofing box for OM2110 - OM2120 - 750x750x750 mm

Layout of car and van workshop systems with example of installation of our products and applications



PIT COVERS

Exhaust Gas
Extraction Equipments

OM2200
WALKABLE PIT COVERS Page 190

OM2200

WALKABLE PIT COVERS

Use

AUTOMOTIVE

Construction Special anodised aluminium or galvanised steel

Flow rate From 500 kg/m^2 to max. 15,000 kg/m^2

DESCRIPTION
The FE2200 is a sliding cover system particularly suitable for vehicle inspection and maintenance pits in workshops.
This solution allows vehicle inspection and maintenance activities to be carried out in compliance with current safety regulations in the workplace, while reducing heating costs.
Our technicians are on hand to define a tailor-made project based on the customer's requirements and recommend the most suitable technical solution.

CONSTRUCTION
The slats are available in special anti-corrosion and anti-slip materials: anodised aluminium or galvanised steel.
Depending on the model, the load capacity ranges from 500 kg/m^2 walkable to 15,000 kg/m^2 **driveable**.
The sliding of the cover can be manual or motorised, with either a pneumatic motor or an electric motor conforming to ATEX zone 2/22.

ADDED VALUES
The cover is supplied as standard with side sliding guides and a storage rack already assembled and ready for installation.
Numerous accessories allow the system to be customised and adapted to the needs of the individual application.
The OM2200 roofing system also makes it possible to economically solve those cases in which an old pit needs to be closed permanently: without costly structural or concrete work, the roofing restores a perfectly usable floor that can be walked on and, if necessary, even **driven on**.

CERTIFICATIONS

CE UKCA

TECHNICAL FEATURES

Pit cover	Code	Description
	OM2200CF1	Walkable cover with aluminium slats, complete with bearings and side sliding guides - load capacity 500 kg/m^2 - price per linear metre of pit
	OM2200CF2	Walkable cover with aluminium slats, complete with bearings and side sliding guides - capacity 5000 kg/m^2 - price per linear metre of pit
	OM2200CF3	Driveable cover with special galvanised steel slats, complete with bearings and side sliding guides - capacity 10000 kg/m^2 - price per linear metre of pit
	OM2200CF4	Driveable cover with special aluminium slats, complete with bearings and side sliding guides - capacity 15000 kg/m^2 - price per linear metre of pit

Storage for cover	Code	Description
	OM2200MG1	Manual sliding cover storage - capacity 500 kg/m^2
	OM2200MG2	Storage for motorised cover - capacity 5000 kg/m2 - complete with ATEX 2/22 compliant electric motor
	OM2200MG3	Storage for motorised cover - capacity 10000 kg/m^2 - complete with ATEX 2/22 compliant electric motor
	OM2200MG4	Storage for motorised cover - capacity 15000 kg/m^2 - complete with ATEX 2/22 compliant electric motor

ACCESSORIES

Control panel	Code	Description
	QAOM2200	Control panel for motorised cover - with main switch, pit opening/closing buttons, emergency stop with mechanical reset on rotation - complete with sound and light alarm

Security lock	Code	Description
	OM2200BL1	First safety lock panel for manual cover
	OM2200BL2	Wireless safety edge for motorised cover

OM2200

WALKABLE PIT COVERS

ACCESSORIES

Pit start safety device	Code	Description
	OM2200F1	Half-moon pit start device - for pits 900-1000 mm

Gangways	Code	Description
	OM2200P1	Gangway L. 1 m with 2 mechanical speedyblocks
	OM2200P2	Gangway L. 1.5 m with 2 mechanical speedyblocks

Ladders	Code	Description
	OM2200SC1	Inclined pit ladder - UNI standard
	OM2200SC2	Aluminium seafaring ladder L. 2 m with 2 magnetic holders - according to UNI standard

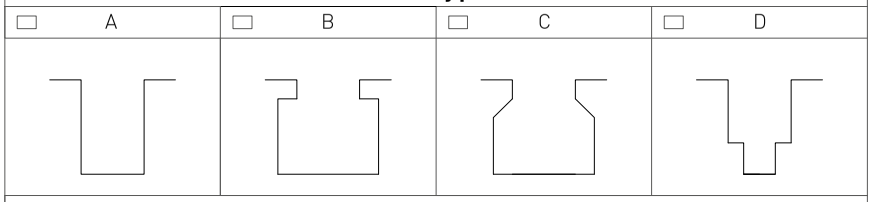
Sheet to be completed before installation

OMPI S.r.l.
42020 Borzano di Albinea (RE) - Italy - Via Giovanni Falcone, 10/A
Tel. +39 0522 347247 - Fax: +39 0522 347259 - ompi@ompi.com
www.ompi.com

Agent ..... **Date** .....

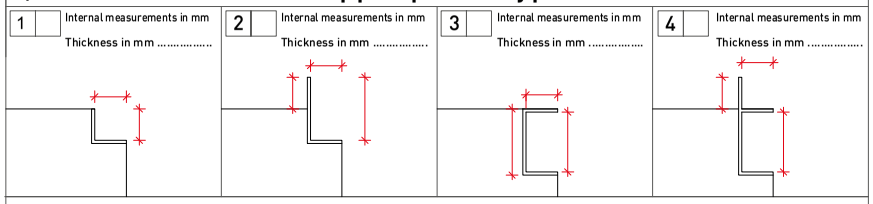
Customer .....

Pit type

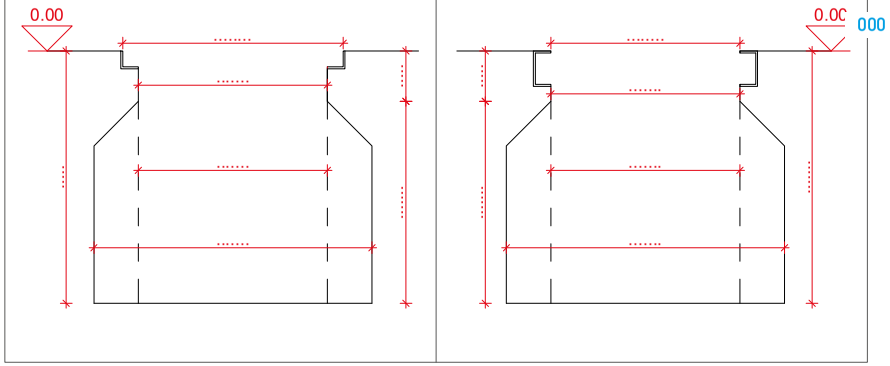


Upper profile type

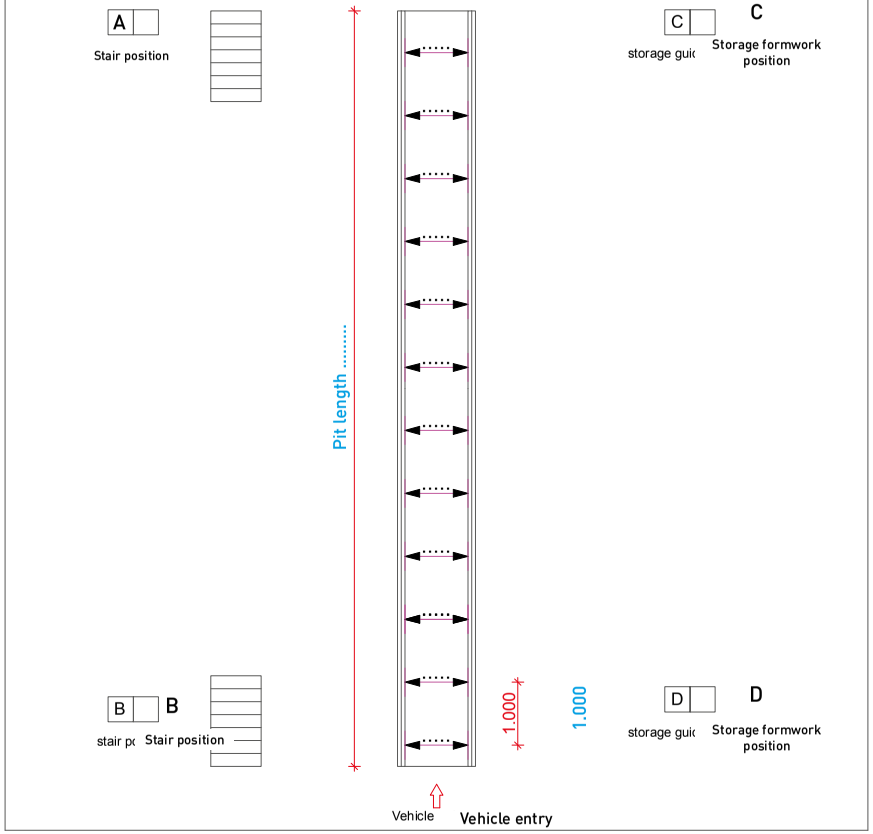
1



Section



Plant



Check list

PRODUCT LIST

PROJECT INFORMATION

Date ..... Company name ..... Reference .....

Address ..... Phone ..... Fax .....

E-mail ..... Customer .....

EXHAUST GAS EXTRACTION SUCTION SOLUTIONS

⚠ TYPE OF VEHICLE

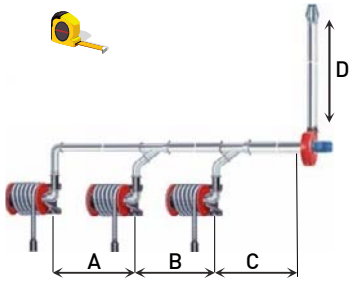





Ø 75 mm MOTION	Ø 75 mm SMALL DISPLACEMENT	Ø 100 mm MEDIUM/LARGE DISPLACEMENT	Ø 125 mm VANS	Ø 150 mm HEAVY GOODS VEHICLES	Ø ON REQUEST SPECIAL VEHICLES
☐	☐	☐	☐	☐	☐

Specifications .....

FIXED SYSTEMS



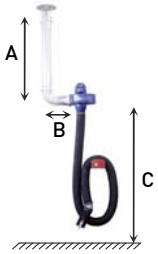
A m
B m
C m
D m

N° Arrotolatori

Inverter SI NO

Contemporaneità

WALL SYSTEMS

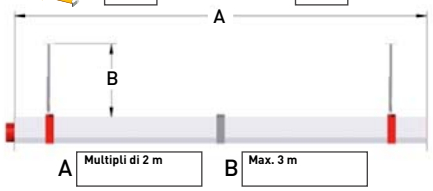



A m
B m
C m

N° AP

SLIDING SYSTEMS

CA EC



A Multipli di 2 m B Max. 3 m

Carrello N°

Bilanciere SI NO

Arrotolatore N°

UNDERFLOOR SYSTEMS

N°

N°

FAN SPECIFICATIONS

With wall-mounted bracket	Yes	No
Internal station	Yes	No
Soundproof box	Yes	No
Anti-vibration feet	Yes	No
Vibration-damping joint	Yes	No

TEMPERATURE USE HOSE

Low ≤ 130 °C	☐
Normal ≤ 200 °C	☐
High ≤ 400 °C	☐
Very high ≤ 1000 °C	☐
Other ..... °C	☐

HOSE LENGTH

2.5 metres	☐	15 metres	☐
5 metres	☐	20 metres	☐
7.5 metres	☐	40 metres	☐
10 metres	☐		
12.5 metres	☐		

NOZZLES

Steel	☐
Rubber	☐
Dual exhaust	☐
With clamp	☐
With **CO** probe	☐

SPECIFY WHETHER OMPI S.R.L. MUST ALSO PROVIDE:

Ceiling bracket ☐	Wiring diagram ☐	Soundproofing box ☐	In the case of ceiling mounting, please indicate:
Connecting pipes ☐	Start-stop kit for fan ☐	Expulsion flue ☐	Ceiling height m..... Ceiling details.....

DRAWING/NOTE

⚠ If it is impossible to refer to the standard parameters, give us the motor size as the main technical data.

TECHNICAL HANDBOOK

Exhaust Gas
Extraction Equipments

Extractor

The extractor is normally required to convey a certain flow rate of fluid, which can be expressed in volume or weight per time unit, and a certain pressure normally expressed in mmH_2O or Pascal, which is necessary to overcome the pressure drops that will occur in the circuit where this fluid must circulate. To perform the required performance, the extractor, whatever it may be, must transmit a certain amount of energy to the fluid flowing through it, energy which it in turn receives from the electric drive motor. The two energies are obviously not equal, otherwise the efficiency of the fan would be 100%. The mechanical energy rendered by the motor to the fan is always greater than that rendered by the fan to the fluid being transported. The efficiency of the fan will then be obtained from the ratio between the first and second energy. All fans are therefore characterised by four fundamental values for good selection:

- flow rate
- pressure
- power consumption
- energy efficiency

DEFINITION OF FLOW RATE

The flow rate is the volume of fluid that passes through the extractor in the unit of time; therefore knowing the flow rate of an extractor, connected to a duct, one can calculate the speed of the fluid in the duct section with the formula:

$$v = \frac{Q_v}{3600 \times A}$$

Where:

v = average fluid velocity [m/s]

Q_v = flow rate [m^2/h]

A = cross-sectional area of the duct [m^3]

Recalling that the cross section of a circular duct is:

$$A = \pi r^2 \text{ or } A = \frac{\pi}{4} d^2$$

DEFINITION OF PRESSURE

When a fluid is in motion, three types of pressure can be distinguished.

Static pressure (P_S)

It is defined as the pressure exerted by the fluid on the walls of the pipe or vessel in which it is contained. It acts equally in all directions and is independent of fluid velocity.

Taking ambient pressure as a reference, static pressure is positive when it is greater than ambient pressure, negative when it is less.

Dynamic pressure (P_D)

It is defined as the pressure corresponding to the portion of energy possessed by the unit mass of the fluid due to its velocity (kinetic energy). It acts in the same direction as the fluid motion and is always considered to have a positive sign.

Dynamic pressure is a function of fluid velocity and density and is expressed by the following formula, where:

$$P_D = \frac{1}{2} \rho v^2$$

P_D = dynamic pressure in Pa (Pascal)

r = fluid density in kg/m^3

v = fluid velocity in m/s

The dynamic pressure, expressed in mm H_2O, can be calculated to a good approximation for air under normal technical conditions using the following practical formula:

$$P_D = \frac{v^2}{16}$$

where:
P_D = dynamic pressure in mmH_2O (from Pa)
v = fluid velocity in m/s

Total pressure (P_T)

It is defined as the algebraic sum of static pressure (P_S) and dynamic pressure (P^D):
$P_T = P_S + P_D$

Particular fan operating conditions are:
a) closed inlet operation
b) free inlet operation

The fan operates with the inlet closed when the flow rate is zero. Since the velocity of the flowing fluid is zero, the dynamic pressure will also be zero. In this case one has:
$P_T = P_S$

This operating condition corresponds to the beginning of the fan performance curve.
On the other hand, the fan operates free inlet when both the inlet and outlet are not connected to ducts.
In this case, the static pressure will be zero, so we have:
$P_T = P_D$

The pressure generated by the fan is all dynamic, and this operating condition corresponds to the end point of the fan's performance curve.

DEFINITION OF ABSORBED POWER AND ENERGY EFFICIENCY

In order to provide an air flow with a certain total pressure, a fan requires a certain mechanical power, which is supplied to it by the electric motor.
This power, which also depends on the efficiency of the fan, is given by the following formula:

$$v = \frac{Q_v \times P_T}{3.671 \times \eta}$$

Where:
P_A = absorbed power [w]
Q_V =flow rate [m^3/h]
P_T = total pressure [mm H_2O]
η = aeraulic efficiency [%]

CLASSIFICATION AND TERMINOLOGY OF FANS

The classification of the various types of fans and their terminology has been unified with the UNI 7972 standard. In this standard it is first specified what is meant by 'fan'. The term denotes the generic operating machine, without any additional elements either at the inlet (suction) or outlet (delivery).
Performance is classified as follows:

a) Low-pressure fans: fans for pressures below 720 pascal (< 73 mm H_2O).
b) Medium pressure fans: fans for pressures between 720 and 3600 Pa (73 to 367 mmH_2O).
c) High-pressure fans: fans for pressures above 3600 Pa (> 367 mm H_2O).

With regard to operating conditions, the UNI standard indicates the following.

a) Fan for normal service
   - Fan suitable for conveying air that is non-toxic, non-corrosive, non-flammable, free of liquid or solid particles, and whose temperature does not exceed 80 °C, or 40 °C if the fan motor and mounts are hit by the conveyed air.

b) Fans for special services
   - Hot gas fan: this is a fan suitable for conveying hot gases, the temperature of which must be within specified values. It can be constructed from high-temperature resistant materials and can be equipped with a cooling device.
   - Fan for two-phase fluids (liquid gas): this is a fan suitable for conveying air containing liquid particles. Constructively, a device for draining the liquid and appropriate protection, or materials, against corrosion and erosion can be provided.
   - Gas-tight fan: this is a fan constructed in such a way as to reduce the leakage of conveyed gas and/or the entry of outside air. The degree of tightness depends on the type and pressure of the pumped gas.
   - Dust-conveying fan: this is a fan suitable for drawing in air containing dust and is designed for the particular type of dust being transported.
   - Cross-flow fan for transporting solids: this is a fan suitable for drawing air containing solids (e.g. wood chips, textile fibres, pulverulent materials) and is designed for the particular type of material being transported.
   - Anti-deposit fan: a fan designed in such a way as to minimise the deposition of transported material and equipped with means for its periodic cleaning.
   - Abrasion-resistant fan: a fan designed to minimise abrasion.
     Wear parts are made of materials suitable for abrasion and/or can be easily replaced.
   - Corrosion-resistant fan: a fan constructed of suitable material, or suitably coated, to resist the corrosive action of the transported fluid.
   - Non-sparking fan: a fan designed to reduce the risk of sparks occurring due to friction between its component parts or with a material coming from outside. Different types of construction are provided, according to the degree of safety deemed necessary and defined by the new ATEX standards.

TRANSMISSION FANS

Sometimes in industrial installations or ventilation systems, certain performances in pressure and flow rate are required with very tight tolerances. In such cases it is difficult to meet the demand with directly coupled fans. One model may have insufficient performance while the next in the same series, exuberant and unacceptable performance.

On the other hand, building a special model, with an impeller of an appropriate diameter, intermediate between two successive ones in the series of available diameters, is generally an uneconomical solution. In these cases it is preferred to adjust the performance of the standard fan by varying the number of revolutions. The rotational speed of the asynchronous motor cannot be easily and conveniently varied. Therefore, to vary the speed of the fan impeller, it is necessary to abandon the direct-coupled design and resort to the belt-driven model.

With belt drive it is possible to obtain the required impeller speed, once the motor speed has been chosen, by varying the ratio between the pulley diameters according to the known relationship:

$$\frac{N_G}{N_M} = \frac{D_M}{D_G}$$

Where:

N_G = number of impeller revolutions

N_M = number of electric motor revs

D_M = diameter of the pulley splined to the motor shaft

D_G = diameter of the pulley splined to the impeller shaft

UNITS OF MEASUREMENT AND CONVERSIONS

Flow rate

Unit of measurement	m^2/s	m^3/h	mc/1′	l/s	l/1′	cfm
1 m^2/s	1	3600	60	1000	60000	2119
1 m^2/h	0.0002777	1	0.016666	0.2777	16.666	5.8857
1 $m^2/1'$	0.016666	60	1	16.666	1000	35.314
1 l/s	0.001	3.6	0.06	1	60	2.12
1 l/1′	$1.666x10^{-5}$	0.06	0.001	0.01666	1	0.03531
1 cfm	0.000472	1.7	0.02831	0.472	28.3168	1

Pressure

Unit of measurement	Pa	mm H_2O (Kgf/mq)	Torr (mm Hg)	Bar	mm bar	inwg
1 Pa	1	0.102	0.0075	0.00001	0.01	0.004
1 mm H_2O (Kgf/mq)	9.806	1	0.0735	9.806×10^{-5}	0.098	0.0393
1 torr (mm Hg)	133.32	13.6	1	0.0013	1.3332	0.5352
1 bar	100000	10197	750.06	1	1000	401.46
1 mm bar	100	10.2	0.75	0.001	1	0.4014
1 inwg	249	25.4	1.8683	0.0024	2.49	1

Power

Unit of measurement	W	kW	HP	CV	Kcal/h
1 W	1	0.001	0.00134	0.00136	0.86
1 kW	1000	1	1.341	1.36	860
1 HP	745.7	0.7457	1	1.014	641.18
1 CV	735.5	0.7355	0.986	1	632.35
1 Kcal/h	1.162	0.00116	0.00156	0.001582	1

Length

Unit of measurement	mm (millimetres)	m (metres)	ft (foot)	in (inch)
1 mm	1	0.001	0.0033	0.0396
1 m	1000	1	3.28	39.37
1 ft	304.8	0.3048	1	12
1 in	25.4	0.0254	0.0833	1

Flow rate

Unit of measurement	L (litre)	m^3 (cubic metre)	cuft (cubic foot)	cuin (cubic inch)
1 l	1	0.001	0.0353	61
1 m3	1000	1	35.314	61023.74
1 cuft	28.32	0.2832	1	1728
1 cuin	0.0163	1.63x10-5	0.00057	1

Collection systems and circuits

NOISE IN EXTRACTION SYSTEMS

There is no need to recall the importance that the problem of noise has assumed in modern life; in fact, it has been conclusively established that noisy environments, in addition to causing an obvious sense of annoyance, have detrimental effects on the performance of people working in commerce and industry.

Like any other moving machine, a fan inevitably generates noise. This can be remedied quite easily by limiting this inconvenience as much as possible by designing and building systems, where possible, with moderate speeds and pressures, resulting in larger ducts, with larger fans and therefore lower speeds. Unfortunately, such a choice almost inevitably leads to a higher cost of the installation.

Most industries in the sector, either because they are unaware of these drawbacks or in order to be able to offer lower prices than their competitors, ignore these kinds of problems and offer systems calculated with very high air speeds, fans with high RPMs and motors that are more often than not 'over-revved'.

The result is the construction and installation of excessively noisy systems that more often than not, precisely because of this drawback, are not even used by the workers themselves, who are directly affected.

A sound is perceptible when the air pressure in the vicinity of the ear fluctuates above and below the stable mean value (i.e. the barometric pressure value) at a frequency between 20 and 20,000 Hz.

These fluctuations do not have to be large: it is enough for them to reach one thousandth of the atmospheric pressure (134 dB) for the sound to be loud enough to cause pain and, if it persists, definite damage to the ear.

In contrast, a fine ear, at the frequency to which it is most sensitive, may be able to distinguish a fluctuation of only a ten-thousandth of a millionth of an atmosphere (6 dB below the threshold of audibility).

In the table below we indicate some typical sound pressure levels we have measured.

dB (pressure)	
0	THRESHOLD OF HEARING (FINE HEARING)
10	LIGHT MURMUR
20	RUSTLING OF LEAVES
35	PRIVATE RESIDENCE (UNOCCUPIED)
40	LIBRARY
45	QUIET PRIVATE OFFICES
50	OFFICES IN GENERAL
60	CONVERSATION
70	MECHANISED OFFICES
80	MACHINE TOOL WORKSHOPS
85	UNDERGROUND TRAM
90	MACHINE HALLS
95	COCKPITS
100	PNEUMATIC HAMMER
110	BOILERMAKING WORKSHOPS
120	AIRCRAFT TAKING OFF AT 30 M.
130	PAIN THRESHOLD

SOURCES OF NOISE

The noise produced by extraction and ventilation systems can be divided into three main categories:

1) mechanical noise;
2) vortex noise;
3) rotation noise.

The mechanical noise is produced by the bearings of rotating parts, belts, drive motors, etc., by the drumming and banging of insufficiently rigid or inadequately secured parts of the structure. The nuisance caused by mechanical noise can be virtually eliminated by the use of anti-vibration mounts and even heavy foundation blocks for fans and motors.

Vortex noise usually constitutes the majority of the noise produced by the fan. It originates in areas of turbulent inflow and is therefore closely dependent on losses due to aerodynamic imperfections in the fan design. This noise is also found at the air passage, at the grilles, in excessively narrow curves, in heating coils and in other parts of the system where pressure drops occur. The acoustic intensity of this sound increases very rapidly with increasing air speed and multiplies by 30 to 250 times (i.e. increases by 15-24 dB) each time the speed doubles.

Rotational noise is a noise that fans must inevitably produce, due to the action of the fan on the air.
This occurs because the forces acting between the fan and the air are not uniformly distributed within the casing, but are concentrated near the individual blades, generating increasing and decreasing static pressures, which, although stable, they rotate with the fan. They therefore produce the effect of a pulsating pressure at a stable point near the fan. The distinguishing feature of rotational noise is that all energy is concentrated in pure sounds. The main frequency of these pure sounds is always equal to the number of fan blades, multiplied by the speed expressed in revolutions per second, but there are usually other sounds with frequencies of 2, 3, 4 or more times this 'fundamental' frequency in various proportions. Rotation noise can increase considerably due to an obstacle placed close to the fan and therefore such obstructions should be avoided or, if they are not unavoidable, they should be tuned with a good airfoil. The worst effects are caused by obstructions found upstream of an axial-flow fan, since the trail of turbulent air behind the obstruction will be then impacted by the fan blades; the same effects will occur in the case of obstructions found downstream of a centrifugal impeller (e.g. a poorly shaped or badly placed damper) due to pressure pulsations caused by the impact with the obstruction from successive peaks of speed from the impeller blades.
All the arguments mentioned up to this point are intended to make it clear that even in extraction and ventilation systems it is necessary to develop a careful, accurate and different study and design for each individual problem and installation. Unfortunately, these rules are often overlooked or even unknown by many system manufacturers, resulting in products that are not very technically sound and which often lead customers to believe that all extraction and ventilation systems can easily be built by any carpentry workshop.
Lastly, we would like to draw the attention of those in charge of these plants to the importance of regular and thorough maintenance of these plants in order to maintain maximum performance and avoid breakdowns and stoppages that would also affect production.

AIR SPEED

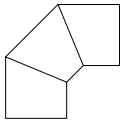
Air speeds to extract fumes, dusts, vapours and gases

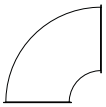
Process	Condition of contaminant generation	Minimum pick-up speed (m/s)
Evaporation	In still air	0.5
Spray painting in the cabin; dust discharging into a hood	In air with low velocity	0.5 ÷ 1
Active generation in a ventilated environment	Active generation in a ventilated environment	1 ÷ 2.5
Launched at high speed in the environment very ventilated	Launched at high speed in the environment very ventilated	2.5 ÷ 10

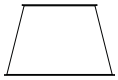
Air speeds in the ducting suitable for transporting certain pollutants

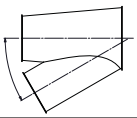
Smoke dust	Air speed in pipes	Dust or smoke	Air speed in pipes
Abrasives	22.5	Sandalwood	22.5
Alumina	22.5	Baking powder	20 ÷ 22.5
Starch	20	Manganese	25
Clay	20 ÷ 22.5	Feeds and grains	20
Asbestos	20	Marble	25
Bauxite	22.5	Plastics	22.5
Limestone	22.5	Mica	20
Lime	20	Grinding - sharpening	20
Coffee	20	Grinding - polishing	20 ÷ 25
Wood charcoal	22.5	Welding smoke	20 ÷ 22.5
Hard coal	20 ÷ 22.5	Aluminium oxide	22.5
Carbon	20 ÷ 22.5	Iron oxide	22.5
Paper (trimmings)	30	Lead oxide	25 ÷ 28
Ceramics	20 ÷ 22.5	Stones (processing)	25
Chocolate	20	Paint pigments	20
Cosmetics	20	Bronze dust	25
Cotton	18	Wood powder	20 ÷ 22.5
Metallic chrome	25	Quartz	22.5 ÷ 25
Leather	20	Soap	20
Detergents	20	Wood sawdust	22.5
Flour	20	Flint	22.5
Feldspars	20 ÷ 22.5	Cocoa beans	20 ÷ 22.5
Metal iron	22.5 ÷ 25	Silica	22.5 ÷ 25
Fertilisers (drying)	22.5	Cork	17.5 ÷ 20
Fertilisers (bagging)	20	Tobacco	20
Cement crushing	22.5	Talcum powder	20
Gypsum hydrate	20	Talc, steatite	20
Graphite	22.5	Conveyors	20
Granite	22.5	Glass	20 ÷ 25
Packaging and wrapping	20	Sugar	20 ÷ 22.5

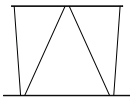
PRESSURE DROP

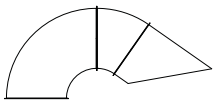
Sector curve	r/d	K 3 pieces	K 5 pieces
	0.25	0.8	0.5
	0.5	0.4	0.3
	1.5	0.3	02

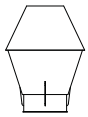
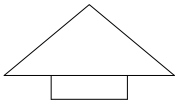
Moulded curves	r/d	K 3 pieces
	0.25	0.5
	0.5	0.3
	1.5	0.2

Reduction cones								
	α	5°	7.5°	10°	15°	20°	30°	45°
	K	0.15	0.20	0.25	0.40	0.60	0.80	0.90

Y-deviation						
	α	15°	30°	45°	60°	90°
	K	0.10	0.25	0.40	0.70	1.20

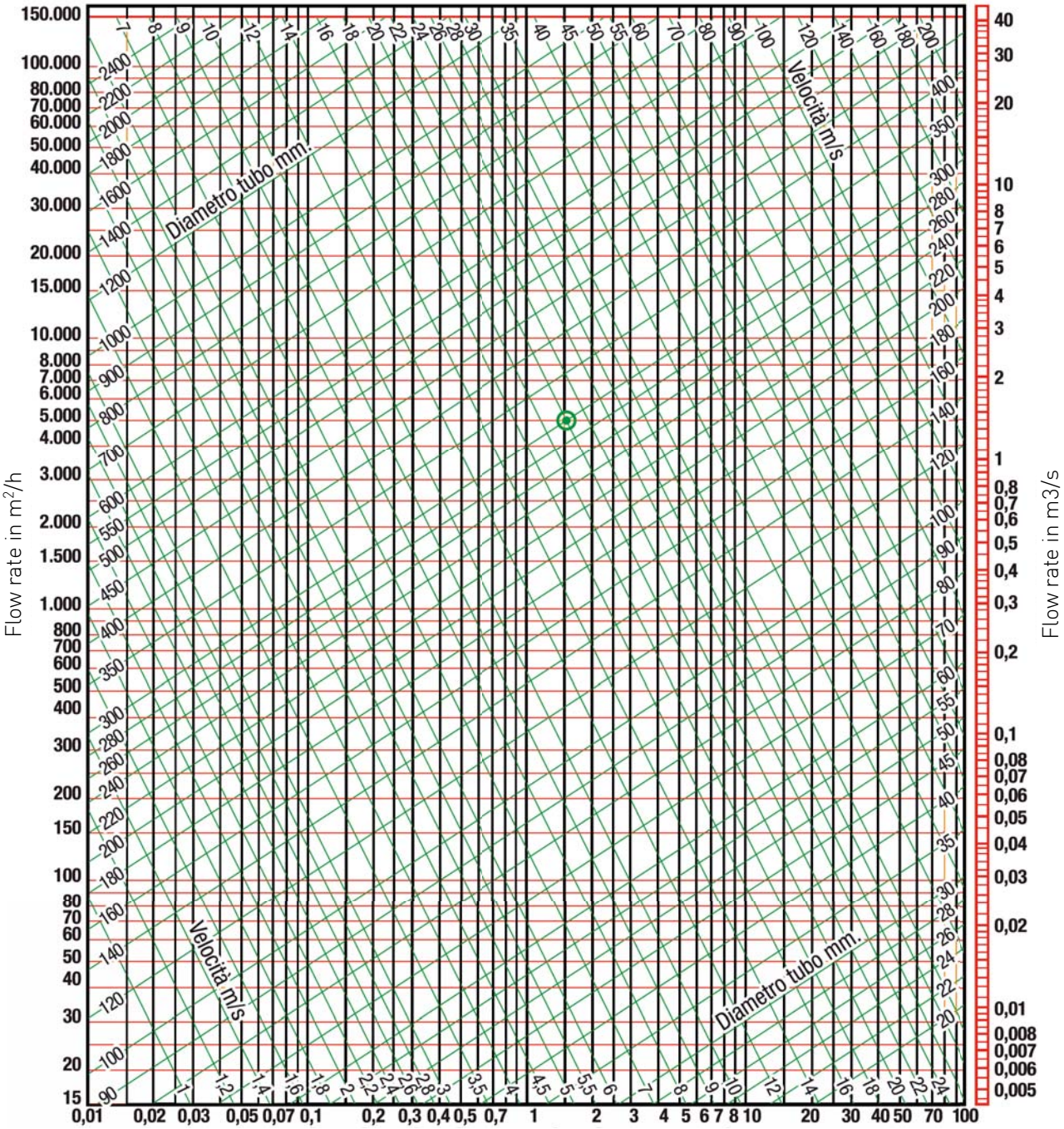
Round square fitting					
	α	15°	30°	45°	60°
	K	0.50	0.30	0.30	0.40

Hose	45° end
	
1.5 x K (straight pipe)	K = 0.3

Open end	Chinese cap end
	
K = 0.15	K = 0.1

PRESSURE DROP DIAGRAM

Referred to air at 15°C at 760 mm Hg (l = 1.22 kg/m²)



PRESSURE DROP IN MM H_2O PER 1 LINEAR M

Degree of roughness for ducts other than galvanised sheet metal

Degree of roughness	Example of pipeline	K for air speed m/s 5	15	25	50
Very smooth	Glass	0.90	0.80	0.75	0.65
Medium smooth	PVC	0.95	0.90	0.85	0.80
Medium wrinkled	Eternit/cement	1.35	1.45	1.50	1.50
Very rough	Rough wall	1.85	2.07	2.15	2.20

Example indicated by the sign ◉
In a 300 mm Ø duct, 5000 m3/h (1.39 m3/s) pass through. The average air speed will be 20 m/s and the pressure drop 1.6 mm H_2O per 1 m.
If the duct instead of galvanised sheet metal is Eternit, the drop will become 1.6 x K (K = 1.475) ≅ 2.40 mm H_2O per running metre.

RESULT OF MULTIPLE PIPES

Flow rate

Module	Ø	Section m³	Module	Ø	Section m³	Module	Ø	Section m³	Module	Ø	Section m³
1	70	0.00384	31	390	0.1194	73	600	0.2827	138	825	0.5345
1.3	80	0.00502	32	395	0.1225	74	605	0.2874	140	830	0.5410
1.6	90	0.00636	33	400	0.1256	76	610	0.2922	142	835	0.5476
2	100	0.00785	34	410	0.1320	77	615	0.2970	144	840	0.5541
3	120	0.0113	35	415	0.1352	78	620	0.3019	146	845	0.5608
3.2	125	0.0122	36	420	0.1385	79.80	625	0.3067	148	850	0.5674
4	140	0.0154	37	425	0.1418	81	630	0.3117	150	855	0.5741
4.6	150	0.0176	38	430	0.1452	82	635	0.3167	152	860	0.5808
5	155	0.0188	39	440	0.1520	83	640	0.3217	154	870	0.5944
6	170	0.0227	40	445	0.1555	84.85	645	0.3267	156	875	0.6013
6.3	175	0.0240	41	450	0.1590	86	650	0.3318	158	880	0.6082
6.65	180	0.0254	42	455	0.1625	87	655	0.3369	160	885	0.6151
8	200	0.0314	43	460	0.1661	88.89	660	0.3421	162	890	0.6221
9	210	0.0346	44	465	0.1698	90	665	0.3475	164	895	0.6281
10	220	0.0380	45	470	0.1734	91	670	0.3525	166	900	0.6361
10.3	225	0.0397	46	475	0.1772	92.93	675	0.3578	168	905	0.6432
11	230	0.0415	47	480	0.1809	94	680	0.3631	170	915	0.6575
12	245	0.0471	48	485	0.1847	95	685	0.3685	172	920	0.6647
12.7	250	0.0490	49	490	0.1885	96	690	0.3739	174	925	0.6720
13	255	0.0510	50	495	0.1924	98	695	0.3793	176	930	0.6793
14	265	0.0554	51	500	0.1963	100	700	0.3848	178	935	0.6865
15	270	0.0572	52	505	0.2002	102	705	0.3903	180	940	0.6935
15.4	275	0.0594	53	510	0.2042	104	715	0.4015	182	945	0.7013
16	280	0.0615	54	515	0.2083	106	720	0.4071	184	950	0.7088
17	290	0.0660	55	520	0.2123	107	725	0.4128	186	955	0.7163
18	295	0.0683	56	525	0.2164	108	730	0.4185	188	960	0.7238
18.3	300	0.0706	57	530	0.2206	110	735	0.4242	190	965	0.7313
19	305	0.0730	58	535	0.2248	112	740	0.4300	192	970	0.7389
20	315	0.0779	59	540	0.2290	114	750	0.4417	194	975	0.7466
21	320	0.0804	60	545	0.2332	116	755	0.4476	196	980	0.7543
21.5	325	0.0829	62	550	0.2375	118	760	0.4536	198	985	0.7620
22	330	0.0855	63	555	0.2419	120	765	0.4596	200	990	0.7697
23	335	0.0881	64	560	0.2463	122	775	0.4717	202	995	0.7775
24	345	0.0934	65	565	0.2507	124	780	0.4778	204	1000	0.7854
25	350	0.0962	66	570	0.2551	126	785	0.4889	206	1005	0.7952
26	355	0.0989	67	575	0.2596	128	795	0.4963	208	1010	0.8011
27	365	0.1046	68	580	0.2642	130	800	0.5026	210	1015	0.8091
28	370	0.1075	70	585	0.2687	132	805	0.5089	212	1020	0.8171
29	375	0.1104	71	590	0.2733	134	810	0.5153	214	1025	0.8251
30	380	0.1133	72	595	0.2779	136	815	0.5214	216	1030	0.8328

The resultant of several pipes, even of different diameters, can be obtained either by the sum of the individual sections or simply by modules. Example:

Diameter		Section		Module
Ø 100	+	0.00785	+	2
Ø 200	+	0.03140	+	8
Ø 300	=	0.07060	=	18.3
~ Ø 370		0.10985		28.3

Conditions of sale

The general terms and conditions set out below shall apply and be deemed valid and accepted irrespective of the special terms and conditions set out in the customer's order, unless waived by us in writing.

Price and method of payment

1. Unless specifically provided otherwise, our price lists are purely indicative and may be amended in connection with any increases in the cost of labour, raw materials and other cost elements occurring from the date of conclusion of the contract to the date of dispatch of the goods.
2. The prices indicated are net of VAT, packaging and transport costs and any other charges, including taxes, not expressly charged by contract or by law to OMPI Srl .
3. The terms of payment are indicated in the order confirmation.
4. All payments will be made by the customer at the current and future headquarters of OMPI Srl against issue of an invoice or other accounting document. The issuance of bank receipts and promissory notes will not change the place of payment, which will remain the headquarters of OMPI Srl.
5. Delay in payment entitles OMPI Srl, without needing a notice of default, to charge the Client default interest at the conventional rate equal to the highest "Prime Rate" applied on the day of actual payment by the Regional interest banks (BIN), and increased by 5%. In such a case, OMPI Srl shall also have the right to withdraw from the contract without any compensation by simple notification by registered mail or certified e-mail, with the obligation for the client to immediately return the products already delivered.
6. No offsets are allowed. Any deferred payments may not be delayed or suspended even in cases of disputes, claims or delays by OMPI Srl .
7. OMPI Srl has the right to suspend and/or cancel orders in progress if there is any uncertainty as to the solvency of the purchaser, subject to prior payment or the provision of suitable guarantees.

Delivery

8. Unless otherwise agreed, delivery shall be made ex-works OMPI Srl , packaging excluded. Even in the case of delivery carriage paid, delivery is deemed to have taken place at OMPI Srl.
9. Transport risks are always considered to be borne by the customer.
10. Delivery shall be deemed to have been made on the day following the notice that the goods are ready for transport.
11. Delivery deadlines are for information purposes only and are not binding. OMPI Srlhas the right to postpone delivery without this constituting grounds for termination of the contract or source of damages.
12. We reserve the right to partially fulfil orders received and to invoice individual deliveries separately.
13. In the event of force majeure, including strikes, production plant breakdowns and other causes attributable to third parties, OMPI Srl has the right to reduce the supply quantity, postpone the delivery date or terminate the contract, without entitling the client to compensation for damages.

Claims and guarantees

14. The purchaser shall verify within 8 days after delivery that the delivery corresponds to the product he has ordered. After the expiry of this period, no further objection may be made on the non-conformity of the delivered product with the order.
15. All complaints concerning the products delivered and sold must reach OMPI Srl in writing within eight days of delivery, by registered letter with return receipt or certified email, under penalty of forfeiture. Complaints may under no circumstances justify delay or non-payment. Shortages and failures must be reported to the carrier at the time of delivery.
16. It is specifically agreed that the warranty of OMPI Srl consists in the repair of the product supplied or its replacement, services that replace for all purposes the warranties provided for by law, which are expressly excluded together with the consequent rights to termination of the contract, compensation for damages or price reduction.

17. OMPI Srl guarantees its products against manufacturing defects for a period of 12 months from the date of delivery. The warranty is limited to the replacement or repair of the products that were originally defective; the cost of labour, travel and accommodation expenses for any trip by OMPI Srl's technical staff are the client's responsibility. Parts to be repaired or replaced shall be sent carriage paid to OMPI Srl. The parts to be repaired or replaced will be delivered to the customer freight collect after evaluation by our representatives.
18. OMPI Srl reserves the right to change technical and dimensional data without prior notice.

Place of jurisdiction

19. The Court of Reggio Emilia shall have exclusive jurisdiction for any dispute arising out of or in connection with this contract.

FLUID HANDLING TOOLS
MADE IN 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.ompi.com** • **ompi@ompi.com**

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