

90° - high pressure swivel joints in stainless steel for the use with hose reel models for hoses up to 1/2".
 Recommended for applications with water, AdBlue®/DEF/AUS32, glycol, other fluids compatible with this type of steel and compressed air.
 The standard swivel joint mounted on all stainless steel hose reels in 1/2" is art. no. 9968.



Art. no.	Connection threads IN - OUT	Max working pressure	Max temp.	Internal diameter	Gaskets	Material swivel joint body
9960K	M 22 x1.5	200 bar	150° C	10 mm	FKM + EPDM	Stainless steel AISI 303
9961	1/2" BSP (M)	400 bar	150° C	10 mm	FKM	Stainless steel AISI 303
9962	1/2" BSP (M)	400 bar	150° C	10 mm	FKM	Stainless steel AISI 316
9968	1/2" BSP (M)	200 bar	150° C	10 mm	FKM + EPDM	Stainless steel AISI 303
9964	1/2" BSP (F)	200 bar	150° C	10 mm	FKM + EPDM	Stainless steel AISI 303
9966T.F.	1/2" BSP (M)	600 bar	150° C	10 mm	FKM + PTFE	Stainless steel AISI 303
9967	1/2" BSP (M)	200 bar	150° C	12 mm	FKM + EPDM	Stainless steel AISI 303

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 Recommended for applications with water, AdBlue®/DEF/AUS32, glycol, other fluids compatible with this type of steel and compressed air.
 The standard swivel joint mounted on all stainless steel and painted hose reels in 1" is art. no. 9970.



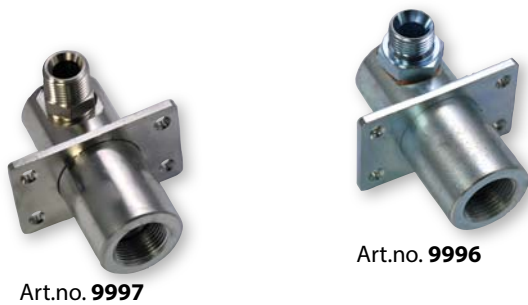
Art. no.	Connection threads IN - OUT	Max working pressure (*)	Max temperature	Internal diameter inlet swivel joint	Gaskets	Material swivel joint body
9970	1" BSP (M)	100 bar	100° C	20 mm	FKM	Stainless steel AISI 303
9987	1" BSP (M)	100 bar	100° C	20 mm	FFKM + FKM	Stainless steel AISI 303
9981	1" BSP (M)	100 bar	100° C	20 mm	FFKM + FKM	Stainless steel AISI 316

(*) Static pressure

Explanation:
EPDM: Etylene Propylene Diene Monomer
FKM: Fluoro rubber (Viton®)
FFKM: Perfluorinated rubber (Kalrez®)
PUR: Polyurethane

Interchangeable fluid shaft suitable for installation in hose reels in dimension 1/2". They are available in galvanized and stainless steel AISI 304. In combination with swivel joints they enable the use of a painted steel hose reel model also for fluids that require wetted parts in stainless steel (f. ex. water, AdBlue®/DEF/AUS32), just by changing the components which are in contact with the fluid.

Stainless steel bended pipes with M 1/2" outlet to facilitate the mounting of the hose and for a smoother fluid output, avoiding bottlenecks.



Art.no. **090060**
 for hose reels with Ø 320 mm internal drum diameter.

Art.no. **090061**
 for hose reels with Ø 264 mm internal drum diameter.



Art. no.	Inlet connection thread	Outlet connection thread	Internal diameter inlet swivel joint	Material swivel joint body
9996	3/4" BSP (F)	1/2" BSP (M)	12 mm	Galvanized steel
9997	3/4" BSP (F)	1/2" BSP (M)	12 mm	Stainless steel AISI 304