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Flow Bow,
Diverter Valves,
Couplings and
Double-Line-Pipes

- [Flow Bow](#)
- **Diverter Valves**
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Conveying Diverter Valve

To divert a conveyed material stream into two pipelines in high - or low - pressure conveying systems



Areas of application

The conveying diverter valve TYPE SRW is a two-way diverter valve for application in pneumatic high- and low-pressure conveyor systems. Suitable for conveying of dry, non-caking bulk goods from powdery up to abrasive. Because of variable sealing materials, bulk goods with temperatures up to 180° C can be conveyed without problems. The material cushion accumulation during dense stream conveying transfers the wear zone into the material cushion away from the valve walls.

Operation

A shifting swivel arm distributes the bulk goods. The swivel arm is equipped with a gasket cone with easily exchangeable gaskets. Sealing is effected against hardened interior rings. Shifting is achieved via a pneumatic or electro-motoric swivel drive. Swivel drive with limit switches for position indication. Pneumatic swivel drive with 5/2-way impulse magnetic valve guarantees secure operation - even during power outage.

Material/design

Housing: grey, nodular-cast iron or stainless steel casting

Swivel arm: nodular- or stainless steel-cast iron

Sealing ring: rubber, silicone, viton

Painting: hammertone, silver-grey

Technical data

Pneumatic swivel drive:

Operating pressure: 10 bar

Control pressure: 5 bar

Limit switch box with mechanical limit switches, made by Schmersal

Solenoid valve voltage: 24 V DC/24 V AC/ 230 V AC

As control valve a 5/2-way impulse magnetic valve is used.

Electro-motoric swivel drive:

Operating pressure: 10 bar

Voltage: 400 V/AC

Limit switch box with mechanical limit switches, made by Schmersal

Hand-drive:

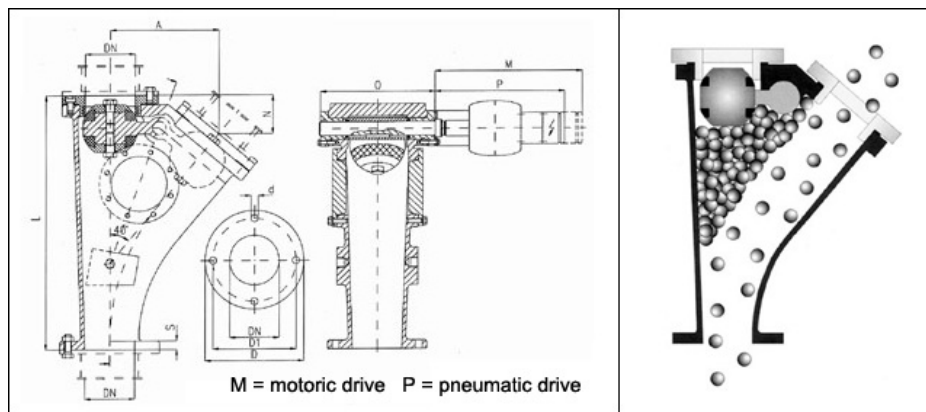
with hand swivel lever

Operating pressure: 10 bar

Advantages

- **Material cushion formation during dense stream conveying**
- **Wear zone diverted into the material cushion**
- **During power outage the swivel arm remains in the selected position**
- **Sealing rings can be exchanged without disassembly during shortest stoppages**
- **Pressure tight, even in the low pressure area**

DIMENSIONAL DRAWING Conveying Valve TYPE SRW/PS with pneumatic swivel drive



DIMENSION TABLE Conveying Diverter Valve TYPE SRW/PS with pneumatic swivel drive

DN/PN 10	ØD	ØD1	L	A	N	O	S	d	P	M	kg
50	165	125	520	245	89	210	18	4 x Ø 18	326	335	51
65	185	145	520	245	89	225	18	4 x Ø 18	326	335	66
80	200	160	520	245	89	240	18	8 x Ø 18	326	335	82
100	220	180	580	255	95	260	20	8 x Ø 18	326	335	93
125	250	210	715	320	115	290	22	8 x Ø 18	326	335	128
150	285	240	800	360	130	315	22	8 x Ø 23	326	335	168
225	375	325	980	400	147	464	25	12 x Ø 23	327	350	265
300	445	400	1150	501	183	552	26	12 x Ø 22	353	350	-
350	565 (505)	460	1440	624	238	586	30	16 x Ø 22	373	350	-
400	565	515	1420	624	238	586	32	16 x Ø 26	373	350	-

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