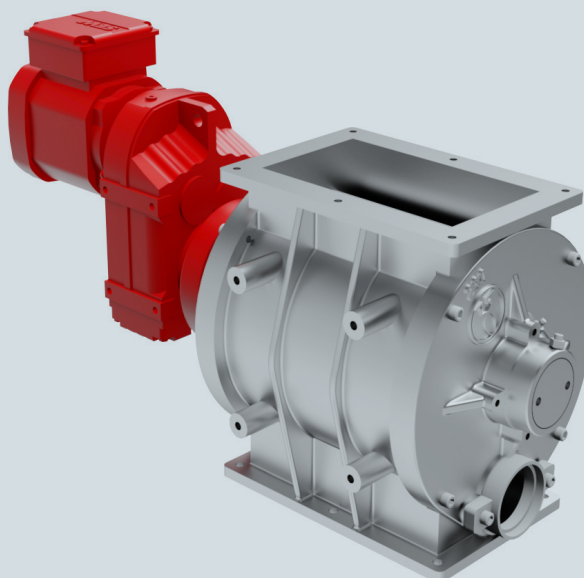




VDL INDUSTRIAL PRODUCTS



SF ROTARY VALVES

Blow through rotary valve for direct dosing of non-abrasive powders and granulates into pneumatic conveying lines. With the SF rotary valve the product is not transported downwards, but is guided directly into the conveying line by lateral discharge. The SF range is technically nearly identical to the RS series and comes with the same unique features. Max. differential pressure: 1 bar.





CHARACTERISTICS

- Standard color RAL 9001
- Many rotor varieties
- Low installation height in pneumatic systems
- Standard with ball-bearings
- Indirect or direct drive
- No injector needed
- Standard with cast iron housing and covers
- External supports with external ball bearings possible
- Low air-loss
- Available in SS 316
- Open rotor (steel or SS)
- Large temperature range
- Many options and extra's possible
- ATEX version (SF-A) Cat. II 1D/**D cT4 possible (**2D or 3D), for use in ATEX zone 21 or 22

TECHNICAL INFORMATION

Type	150	180	230	270	300	350	450	600
Volumetric capacity (liters/rev. at 100% filling ratio)	2	4	8	12	20	40	80	120
Rotorblades	8	8	8	8	8	10	10	12
Max. diff. pressure	1 bar							
Working temperature standard	-15 up to 60 °C (heat resistant up to 220 °C)							

ROTOR VARIETIES

		Rotor types							
		A / A1		C / C1		D*/D1*		E*/E1*	
Rotor with	A		C		D*		E*		
	A1	Inclined blades standard	C1	Inclined blades with chamfered tips on all sides	D1*	Inclined blades with exchangeable rotor tips on top	E1*	Inclined blades with exchangeable rotortips on all sides	

Rotor steel or SS. *Exchangeable blades in hardened c72 steel, stainless steel or Vulkollan

SF-EX VERSION:

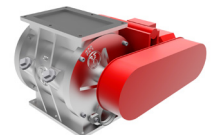
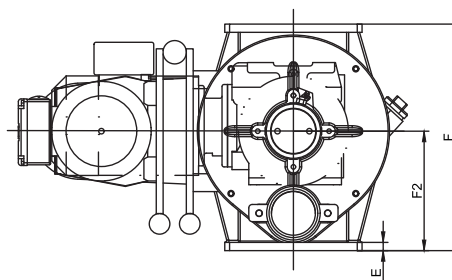
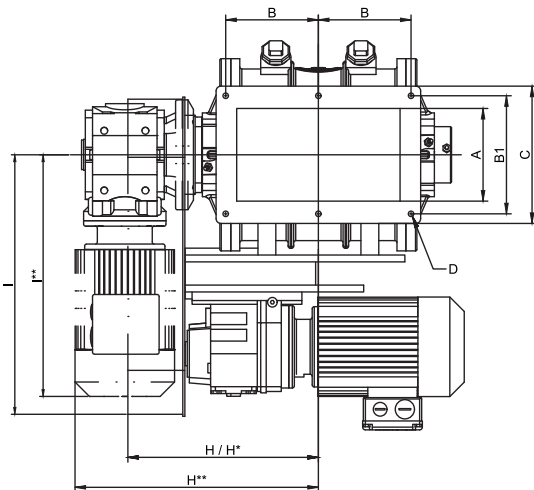
This valve is not available as explosionproof EX version. Please note our HT , HT-S , MD , RS , JK-S  and B-S  valves for EX versions.

MEASUREMENTS, RPM AND WEIGHT

Measurements (mm)								
Type	A (inlet)	A (outlet)	B (inlet)	B1 (outlet)	B1	C (inlet)	C (outlet)	D (inlet)
SF150	155x105	49	145	145	95	210x165	210x165	6xM8
SF180	190x118	61	155	155	115	250x178	250x178	6xM8
SF230	238x135	71	172	172	135	298x200	298x200	6xM8
SF270	276x148	81	194	194	155	342x222	342x222	6xM10
SF300	340x198	103	250	250	195	428x278	428x278	6xM12
SF350	470x238	127	300	300	180	580x352	580x332	8xM12
SF450	570x285	159	185(2x)	370	215	710x436	710x425	10xM14
SF600	635x356	195	244(2x)	244(2x)	266	840x530	840x530	10xM16

Measurements (mm)										RPM	Gross weight (kg)
Type	D (outlet)	E	F	F2	H	H*	H**	I	I**		
SF150	6x Ø10	10	245	130	231	332.5	292	367	286	15 up to 32	61
SF180	6x Ø10	11	270	140	252	352	313	380	286	15 up to 32	70
SF230	6x Ø10	12	330	174	290	394	347	401	352	15 up to 32	96
SF270	6x Ø12	12	390	213	315	422	372	421	352	15 up to 32	139
SF300	6x Ø13	13	447	248	253	472	452	497	383	15 up to 32	205
SF350	8x Ø14	15	530	290	452	577	549	540	404	15 up to 32	335
SF450	8x Ø15	22	677	368	535	670	685	635	503	15 up to 32	600
SF600	10x Ø18	25	830	446	635	772	-	765	-	15 up to 32	1120

Column H*: total length with external supports
 Column H + column I: chain transmission
 Column H** + Column I**: helical worm direct drive

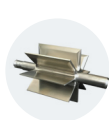


More information about rotary valves in the **catalogue Rotary valves**

OPTIONS AND ACCESSORIES



Housing treatments



Rotor treatments



External bearings



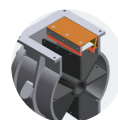
Air purge



Revolution control



Quick disassembly versions



Slip off

Others:

- Different RAL colour
- Nickel plating
- Chroming plating
- Polishing (only SS)