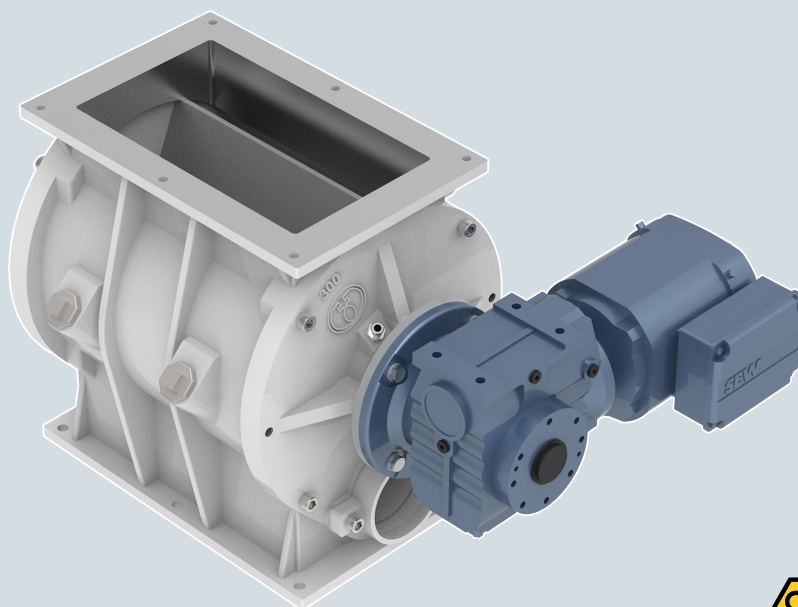




SF ROTARY VALVES



Blow through rotary valve for direct dosing of 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 outside ball bearings possible
- Low air-loss
- Available in SS 316 (up to size 300)
- Open rotor (steel or SS)
- Large temperature range

- Many options and extras possible
- Material compatibility for food contact in compliance with EC Regulation n° 1935/2004 available on request
- ATEX version CAT II 1/*D Ex h IIIC T135°C possible (**2 of 3) 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	Straight blades standard	C	Straight blades with chamfered tips on all sides	D*	Straight blades with exchangeable rotor tips on top	E*	Straight blades with exchangeable rotor tips on all sides
	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



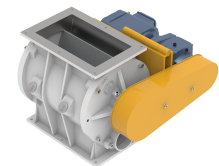
This valve is not available as flameproof version. Please note our RS, ExR, HT and HT-S rotary valves for flameproof versions.

MEASUREMENTS, RPM AND WEIGHT

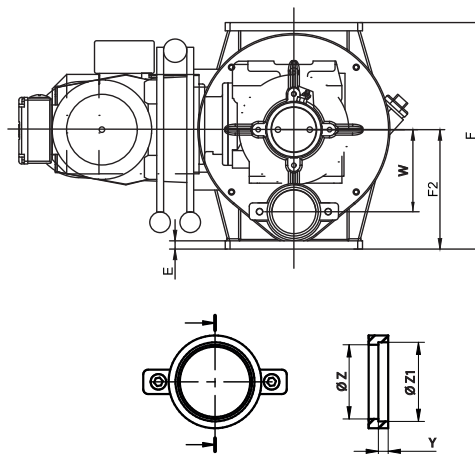
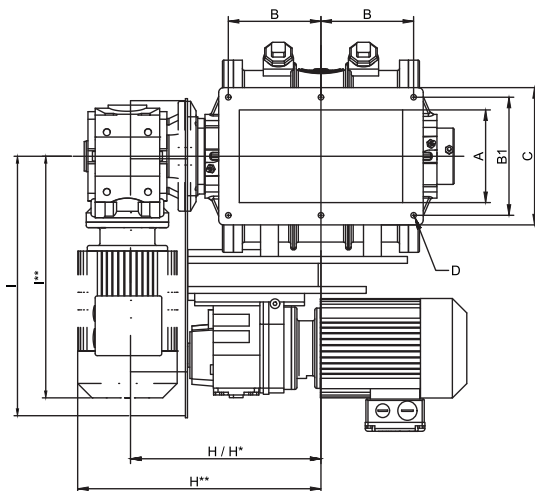
Measurements (mm)											
Type	A (inlet)	B1 (inlet)	B1 (outlet)	B	C (inlet)	C (outlet)	D (inlet)	D (outlet)	E	F	F2
SF150	155x105	145	145	95	210x165	210x165	6xM8	6x Ø10	10	245	130
SF180	190x118	155	155	115	250x178	250x178	6xM8	6x Ø10	11	270	140
SF230	238x135	172	172	135	298x200	298x200	6xM8	6x Ø10	12	330	174
SF270	276x148	194	194	155	342x222	342x222	6xM10	6x Ø12	12	390	213
SF300	340x198	250	250	195	428x278	428x278	6xM12	6x Ø13	13	447	248
SF350	470x238	300	300	180	580x352	580x332	8xM12	8x Ø14	15	530	290
SF450	570x285	185(2x)	370	215	710x436	710x425	10xM14	8x Ø15	22	677	368
SF600	635x356	244(2x)	244(2x)	266	840x530	840x530	10xM16	10x Ø18	25	830	446

Measurements (mm)										RPM	Gross weight (kg)
Type	H	H*	H**	I	I**	W	Y	ØZ	ØZ1		
SF150	231	332.5	292	367	286	88,5	7	43	49	max 32	61
SF180	252	352	313	380	286	95	7,5	54	61	max 32	70
SF230	290	394	347	401	352	120	9	64	71	max 32	96
SF270	315	422	372	421	352	140	10	74	81	max 32	139
SF300	253	472	452	497	383	160	14	96	103	max 32	205
SF350	452	577	549	540	404	185	14	118	127	max 32	335
SF450	535	670	685	635	503	240	18	150	159	max 32	600
SF600	635	772	-	765	-	280	18	186	195	max 32	1120

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



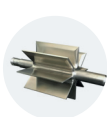
More information
about rotary valves in
the **catalogue**
Rotary valves



OPTIONS AND ACCESSORIES



Housing treatments



Rotor treatments



External bearings



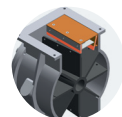
Air purge



Revolution control



Quick disassembly
versions



Slip off

Others:

- Nickel plating
- Tungsten carbide coating
- Teflon coating
- Polishing (SS only)