

ROTARY VALVES IN CAST DESIGN

Rotary valves in cast design

FEEDING AND DISCHARGING OF FLOURY AND GRAINY PRODUCTS

Rotary valves - brief description




Suitable for use in pneumatic systems

various types of rotors

Tight tolerances

Good tightness

The optimal equipment regarding the type of rotor, the material and the surface depends on the product, the temperature, the pressure and the function. On the basis of your specifications we recommend the design that fits your needs.

Rotary valve Type VPS	Rotary valve Type RS	Rotary valve Type SF
 <p>[1]</p>	 <p>[2]</p>	 <p>[3]</p>
Discharge rotary valve Rotortype: closed	Discharge rotary valve Rotortype: open	Blow-through rotary valve Rotortype: open

Rotary valve- technical data and measurements

Type VPS		VPS180	VPS230	VPS270	VPS300	VPS350	VPS400
Inlet	mm	Ø 120	Ø 150	Ø 180	Ø 220	Ø 300	Ø 350
Outlet	mm	150 x 120	185 x 148	242 x 180	266 x 218	360 x 250	400 x 320
Height	mm	245	310	340	382	470	527
Capacity	l/r	2	4,5	8	12	25	40

Speed	rpm	32	32	31	32	31	30
Power	kW	0,37	0,37	0,55	0,75	1,1	1,5
Weight	kg	41	57	92	115	197	256

Type RS		RS180	RS230	RS270	RS300	RS350	RS450
Inlet	mm	190 x 118	238 x 135	276 x 148	340 x 198	470 x 238	570 x 285
Outlet	mm	190 x 118	238 x 135	276 x 158	340 x 198	476 x 220	570 x 285
Height	mm	270	330	390	447	530	677
Capacity	l/r	4	8	12	20	40	80
Speed	rpm	32	31	32	31	30	30
Power	kW	0,37	0,55	0,75	1,1	1,5	2,2
Weight	kg	48	78	105	155	264	453

Type SF		SF180	SF230	SF270	SF300	SF350	SF450
Inlet	mm	190 x 118	236 x 135	276 x 148	340 x 198	470 x 238	570 x 285
Outlet	mm	190 x 118	238 x 135	276 x 158	340 x 198	476 x 220	570 x 285
Height	mm	270	330	390	447	530	677
Capacity	l/r	4	8	12	20	40	80
Speed	rpm	32	31	32	31	30	30
Power	kW	0,37	0,55	0,75	1,1	1,5	2,2
Weight	kg	50	85	112	165	274	468

The recommended filling depends on the flow characteristics of the product

Speed	< 10 rpm	11 - 20 rpm	21 - 30 rpm	>30 rpm
Free flowing	90%	80%	70%	60%
Flowing	80%	70%	60%	50%
Poorly flowing	70%	60%	50%	40%
Very poorly flowing	60%	50%	40%	35%

Rotary valve with quick cleaning

Rotary valve with chain drive



[4]



[5]

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