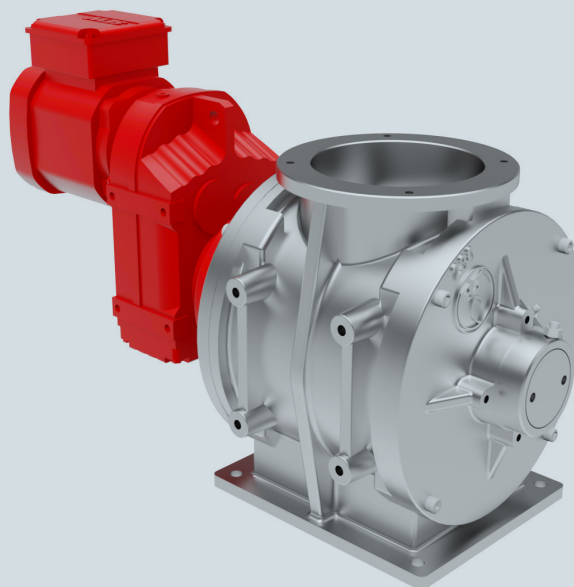




VDL INDUSTRIAL PRODUCTS



VPR ROTARY VALVES

A drop-through and dosing valve for general use. The round inlet simplifies the connection to i.e. hoppers and optimizes the product flow of both powders and granulates. It has excellent air-tightness, which makes it also suitable for use in pneumatic conveying lines, operating with low or medium pressure. Max. differential pressure: 1 bar.

CHARACTERISTICS

- Standard color RAL 9001
- Many rotor varieties
- Standard with ball-bearings
- Indirect or direct drive
- Standard with cast iron housing and covers
- External supports with external ball bearings possible
- Low air-loss
- General purpose valve
- Dimensions identical to VPS valve
- Available in SS 316
- Open rotor (steel or SS)
- Large temperature range
- Many options and extra's possible
- ATEX version (VPR-A) Cat. II 1D/**D cT4 possible (**2D or 3D), for use in ATEX zone 21 or 22

TECHNICAL INFORMATION

Type	100	180	230	270	300	350	400
Volumetric capacity (liters/rev. at 100% filling ratio)	0.5	3	6	11	17	30	45
Rotorblades	6	8	8	8	8	8	10
Max. diff. press.	1 bar						
Working temperature standard	-15 up to 60 °C (80 °C metal blades) heat resistant up to 220 °C						

ROTOR VARIETIES

		Rotor types							
		A / A1		C / C1		D* / D1*		E* / E1*	
Straight	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	
Inclined	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	

*Exchangeable blades in hardened c72 steel, stainless steel or Vulkollan

VPR-EX VERSION:

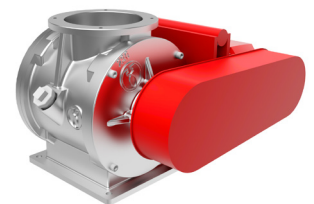
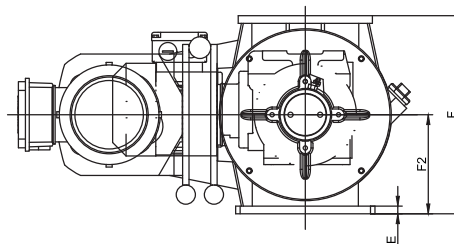
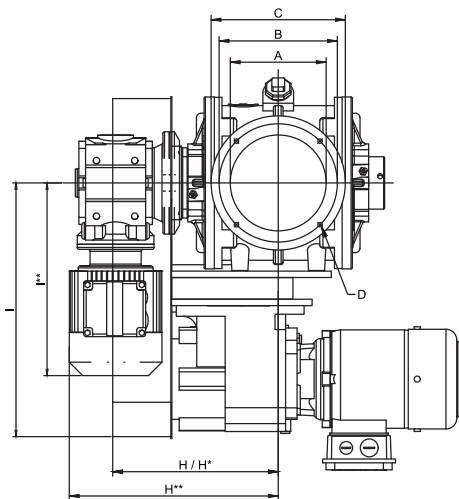
This valve is not available as explosionproof EX version. Please note our HT , HT-S , MD , RS , JK-S and B-S valves for EX versions.

MEASUREMENTS, RPM AND WEIGHT

Measurements (mm)								
Type	A (inlet)	A (outlet)	B (inlet)	B (outlet)	C (inlet)	C (outlet)	D (inlet)	D (outlet)
VPR100	70	Ø 70	105	Ø 105	120	Ø 120	4xM6	4x M6
VPR180	120	150x120	150	180x160	180	210x188	4xM8	4x Ø 10
VPR230	150	185x148	185	220x185	210	256x218	4xM8	4x Ø 12
VPR270	180	242x180	220	290x220	250	340x258	4xM10	4x Ø 13
VPR300	220	266x218	260	330x270	300	372x310	4xM12	4x Ø 14
VPR350	300	360x250	350	210(2x)x320	385	470x360	6xM12	6x Ø 14
VPR400	350	400x320	400	145(2x)x380	438	490x410	6xM12	6x Ø 16

Measurements (mm)									Itrs/rev	Gross weight (kg)
Type	E	F	F2	H	H*	H**	I	I**		
VPR100	10	155	77.5	-	-	259	-	250	15 up to 32	15
VPR180	10	245	122.5	235	334	301	377	286	15 up to 32	61
VPR230	12	310	155	250	365	327	395	352	15 up to 32	82
VPR270	12	340	170	285	405	363	417	352	15 up to 32	113
VPR300	13	382	191	303	433	423	486	383	15 up to 32	158
VPR350	15	470	235	388	508	494	540	404	15 up to 32	244
VPR400	16	527	263.5	438	571	594	605	503	15 up to 32	295

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**

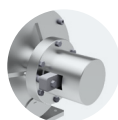
OPTIONS AND ACCESSORIES



House treatments



Air purge



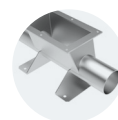
External bearings



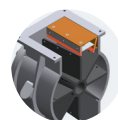
Revolution control



Quick disassembly versions



Injector



Slip off

Others:

- Nickel plating
- Chroming plating
- Polishing (SS only)