

Rotary Valve | GRM

For Granular Applications

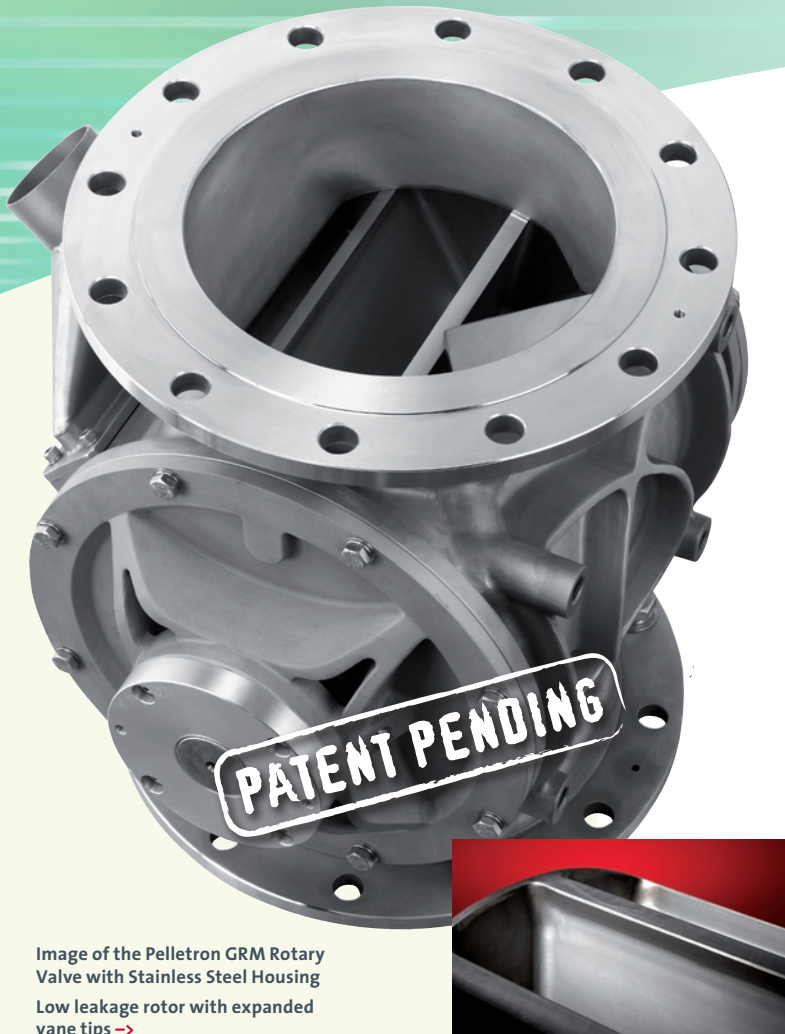


Image of the Pelletron GRM Rotary Valve with Stainless Steel Housing
Low leakage rotor with expanded vane tips →

Applications

- For use with granular products and pellets
- For metering
- For feeding pneumatic conveying systems
- Suitable for differential pressure up to 22 psi (1.5 bar)

Design

- Sizes from 4" to 28" (100 mm to 700 mm)
- Flanges: ANSI 150#, DIN PN10, JIS 5k/10k
- Temperature Range: up to 480°F, 250°C
- Drive: various arrangements available
- Housing: stainless steel and AL casting
- Rotor: stainless steel
- Double lip shaft seal

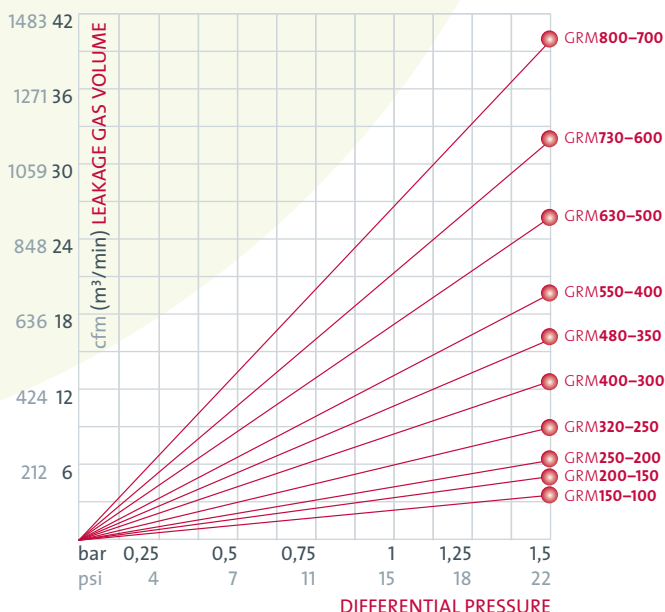
Features

- Anti shearing device (**patented**) for gentle product handling
- Low leakage rotor (**patent pending**) with expanded vane tips
- Integrated leakage air vent for improved filling efficiency
- Heavy duty housing and bearing support for minimized rotor tolerance
- Closed end rotor with 10 vanes

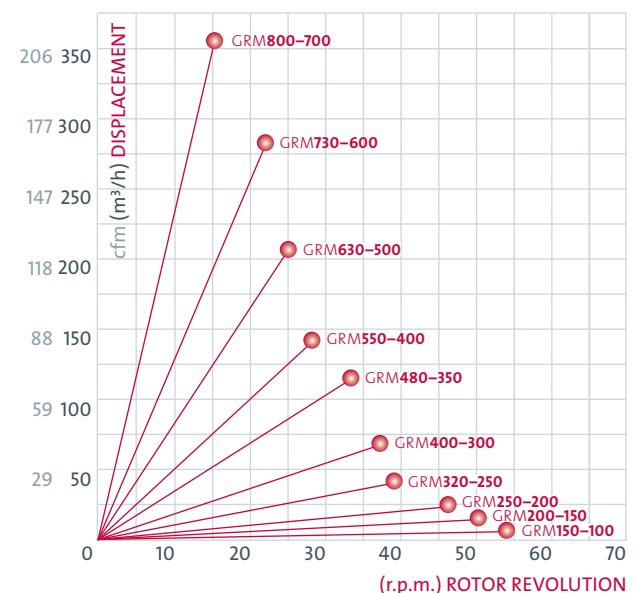
Options

- Quick clean design with extraction device
- Polished grades available
- Special rotor design for metering available
- Shaft seal purge kit
- Special material grades on request
- Wear protection
- Feed shoe, vent hopper and speed monitor

Leakage Gas Diagram

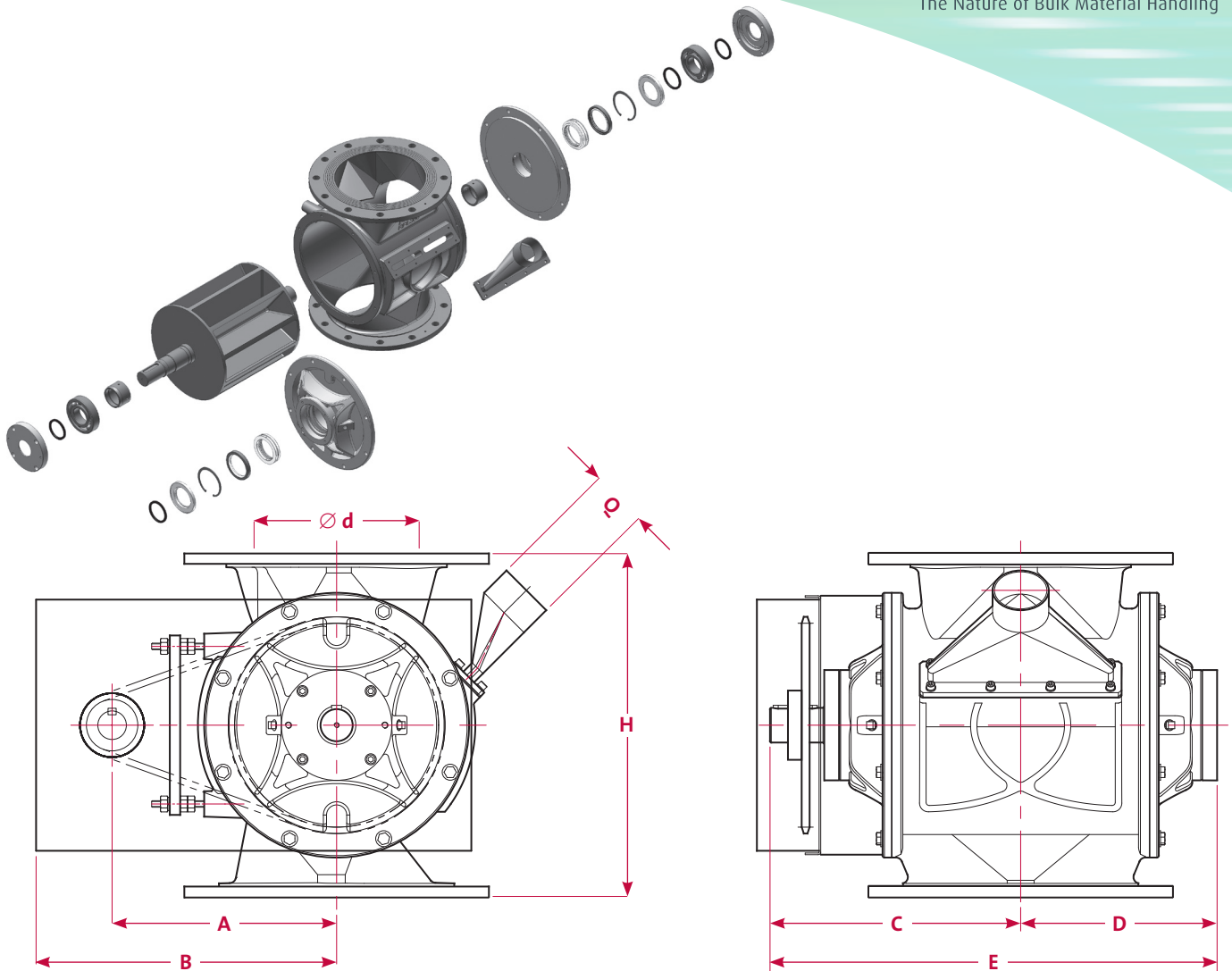


Volumetric Capacity



Testing conditions: Max rotational speed. Temperature 140°F (60°C)

GRM Rotary Valve Dimensions



Size	L/rev	Ø d	A	B	C	D	E	H	Q
GRM150-100	2	4"	12-9/16"	18-5/16"	10-3/16"	8-1/4"	19-3/8"	10-5/8"	1-1/2"
		108 mm	319 mm	465 mm	259 mm	209 mm	492 mm	270 mm	48.3 mm
GRM200-150	6	6"	13"	19-7/16"	11-13/16"	9-1/8"	21-5/8"	14-3/16"	1-1/2"
		162 mm	331 mm	494 mm	299.5 mm	232.5 mm	550 mm	360 mm	48.3 mm
GRM250-200	11	8"	15-3/8"	21-3/16"	12-3/4"	10-1/8"	23-13/16"	17-3/4"	2"
		212 mm	390 mm	538 mm	324 mm	257 mm	605 mm	450 mm	60.3 mm
GRM320-250	22	10"	16-3/4"	24-1/2"	14-7/8"	11-3/4"	27-5/16"	19-11/16"	2-1/2"
		265 mm	425 mm	623 mm	378 mm	298 mm	694 mm	500 mm	76.1 mm
GRM400-300	41	12"	19-5/16"	26-1/4"	16-7/16"	13"	30-3/16"	23-5/8"	3"
		315 mm	490 mm	666 mm	417.5 mm	330.5 mm	767 mm	600 mm	88.9 mm
GRM480-350	72	14"	21-7/8"	27-13/16"	18-7/16"	15-1/4"	34-9/16"	29-1/2"	3"
		346 mm	555 mm	707 mm	468 mm	388 mm	878 mm	750 mm	88.9 mm
GRM550-400	106	16"	23-1/8"	29-13/16"	19-7/16"	16-1/4"	36-1/2"	33-7/16"	4"
		396 mm	587 mm	757 mm	493 mm	413 mm	927 mm	850 mm	108 mm
GRM630-500	169	20"	24-1/2"	31"	22-1/4"	18-11/16"	42-3/8"	38-3/16"	4"
		497 mm	623 mm	787 mm	565 mm	475 mm	1076 mm	970 mm	108 mm
GRM730-600	264	24"	26-11/16"	31-3/16"	24-7/16"	20-15/16"	46-3/4"	42-1/8"	5"
		597 mm	677 mm	792 mm	621 mm	531 mm	1188 mm	1070 mm	141.3 mm
GRM800-700	365	28"	28-7/16"	33-3/4"	27-1/4"	23-5/16"	52-1/8"	44-7/8"	6"
		695 mm	723 mm	858 mm	692 mm	592 mm	1324 mm	1140 mm	168 mm