

Rotary Valve | GRH

For Granular Applications

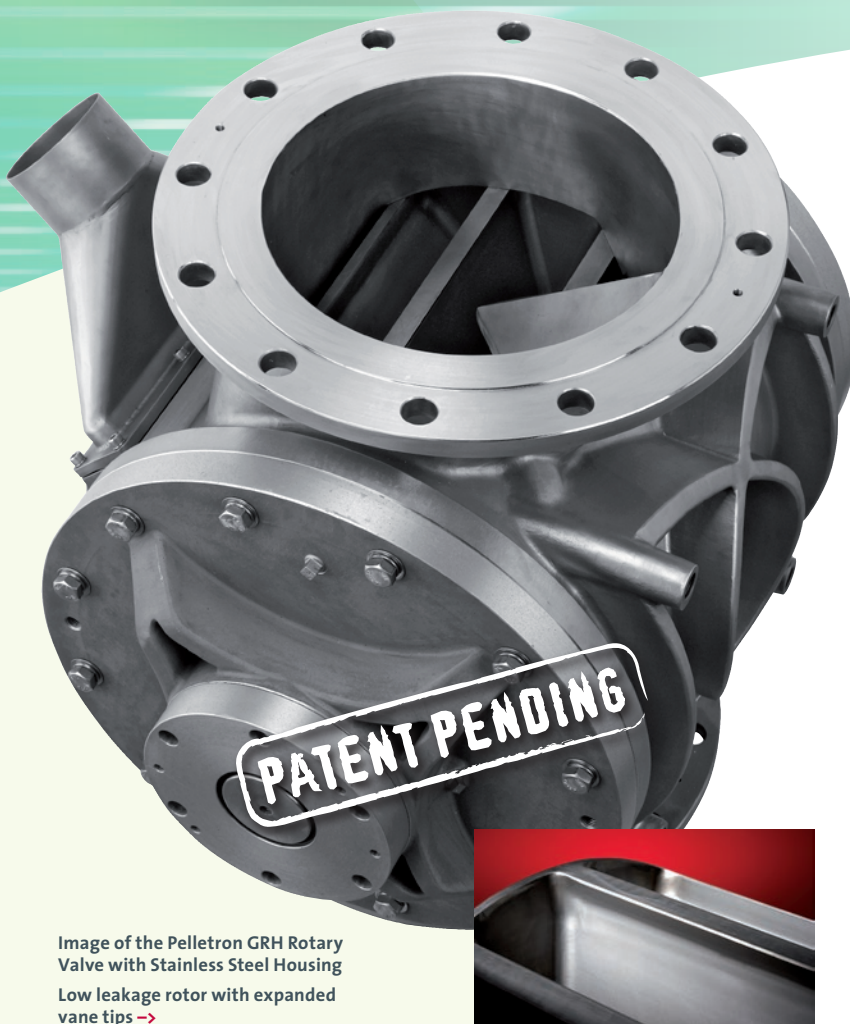


Image of the Pelletron GRH Rotary Valve with Stainless Steel Housing
Low leakage rotor with expanded vane tips →

Applications

- For use with granular products and pellets
- For metering
- For feeding pneumatic conveying systems
- Suitable for differential pressure up to 50 psi (3.5 bar)

Design

- Sizes from 6" to 28" (150mm to 700mm)
- 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

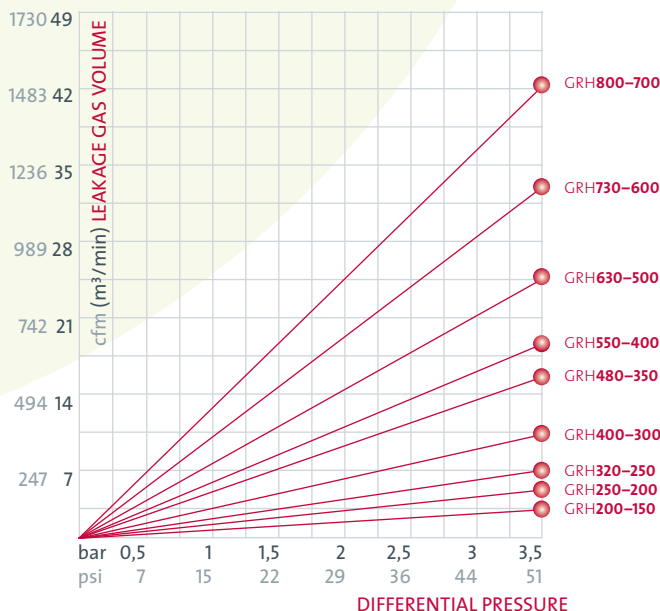
Features

- 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 12 vanes

Options

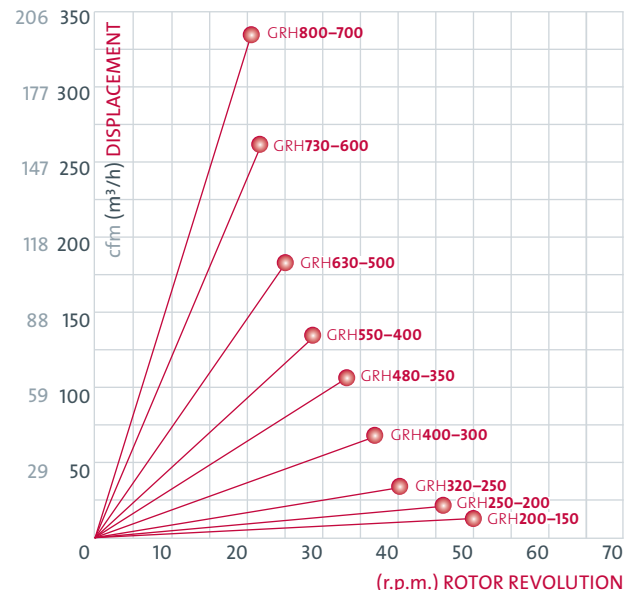
- Quick clean design with extraction device
- Polished grades available
- Special rotor design for metering available
- Shaft seal purge kit
- Special material grades on request
- Wear protection
- Feed shoe, vent hopper and speed monitor

Leakage Gas Diagram

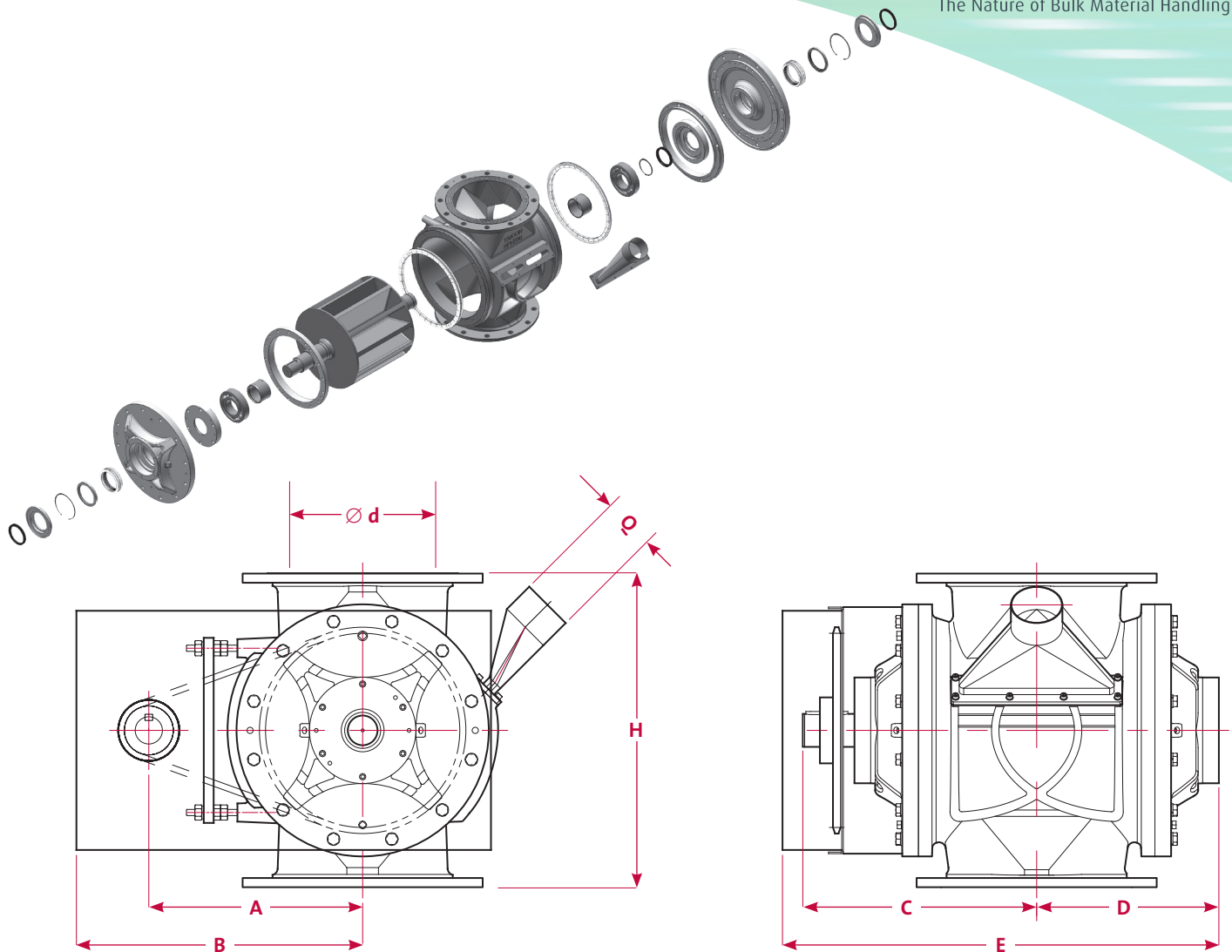


Testing conditions: Max rotational speed. Temperature 140°F(60°C)

Volumetric Capacity



GRH Rotary Valve Dimensions



Size	L/rev	Ø d	A	B	C	D	E	H	Q
GRH200-150	5	6"	13-7/8"	20-1/4"	13"	10-3/8"	24"	14-3/16"	1-1/2"
		162 mm	352 mm	515 mm	330 mm	263 mm	610 mm	360 mm	48.3 mm
GRH250-200	10	8"	16-1/2"	22-3/8"	14-1/2"	11-7/8"	27-3/8"	17-3/4"	2"
		212 mm	420 mm	568 mm	369 mm	302 mm	695 mm	450 mm	60.3 mm
GRH320-250	20	10"	17-1/2"	25-5/16"	15-13/16"	12-11/16"	29-3/16"	19-11/16"	2-1/2"
		265 mm	445 mm	643 mm	402 mm	322 mm	742 v	500 mm	76.1 mm
GRH400-300	38	12"	20-1/8"	27-1/16"	18-9/16"	15-3/16"	34-7/16"	23-5/8"	3"
		315 mm	511 mm	687 mm	472 mm	385 mm	875 mm	600 mm	88.9 mm
GRH480-350	66	14"	22-1/2"	29-7/16"	20-11/16"	17-9/16"	39-1/8"	29-1/2"	3"
		346 mm	571 mm	747 mm	526 mm	446 mm	994 mm	750 mm	88.9 mm
GRH550-400	98	16"	24-1/2"	31-1/4"	22-5/16"	19-3/16"	42-5/16"	33-7/16"	4"
		396 mm	623 mm	793 mm	567 mm	487 mm	1075 mm	850 mm	108 mm
GRH630-500	154	20"	25-1/8"	31-9/16"	25-7/16"	21-7/8"	48-3/4"	38-3/16"	4"
		497 mm	638 mm	802 mm	646 mm	556 mm	1238 mm	970 mm	108 mm
GRH730-600	248	24"	28-1/16"	32-5/8"	27-15/16"	24-7/16"	53-3/4"	42-1/8"	5"
		597 mm	713 mm	828 mm	710 mm	620 mm	1366 mm	1070 mm	141.3 mm
GRH800-700	344	28"	29-1/16"	34-3/8"	31"	27-1/16"	59-11/16"	44-7/8"	6"
		695 mm	738 mm	873 mm	788 mm	688 mm	1516 mm	1140 mm	168 mm