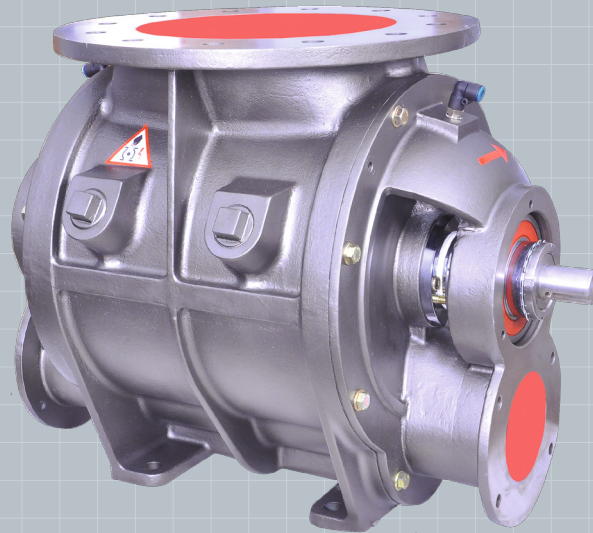


# Rotary Valve

# BT



## ROTARY VALVE :

Airlock range of **BLOW THRU' (BT)** Rotary Valves are designed for Pneumatic Conveying of Products in Powder, Granular and Pellet form.

BT Rotary Valves are available for use in Dairy, Food, Chemical, Plastics, Pet Food, Pharmaceutical and Other Dry Bulk Material Handling Industries.

The Standard BT Rotary Valve will have 9 Bladed Rotor.

Different Rotor Configurations are available.

Different Types of Shaft Sealings are provided depending on the Product and Application.

## KEY FEATURES :

- Maximum Filling Efficiency
- Minimum Air Leakage
- ATEX Approved
- 10 bar Pressure Shock Resistance
- MOC in Cast Iron, Aluminium and Stainless Steel
- Chain & Direct Drives
- Easy to Maintain
- Outboard Bearings, Lubricated & Sealed for Life

## DESIGN :

- Sizes from 150 to 350 mm
- DIN/ ANSI/ JIS Drilling Patterns
- Operating Temperature up to 150 deg C

## APPLICATIONS :

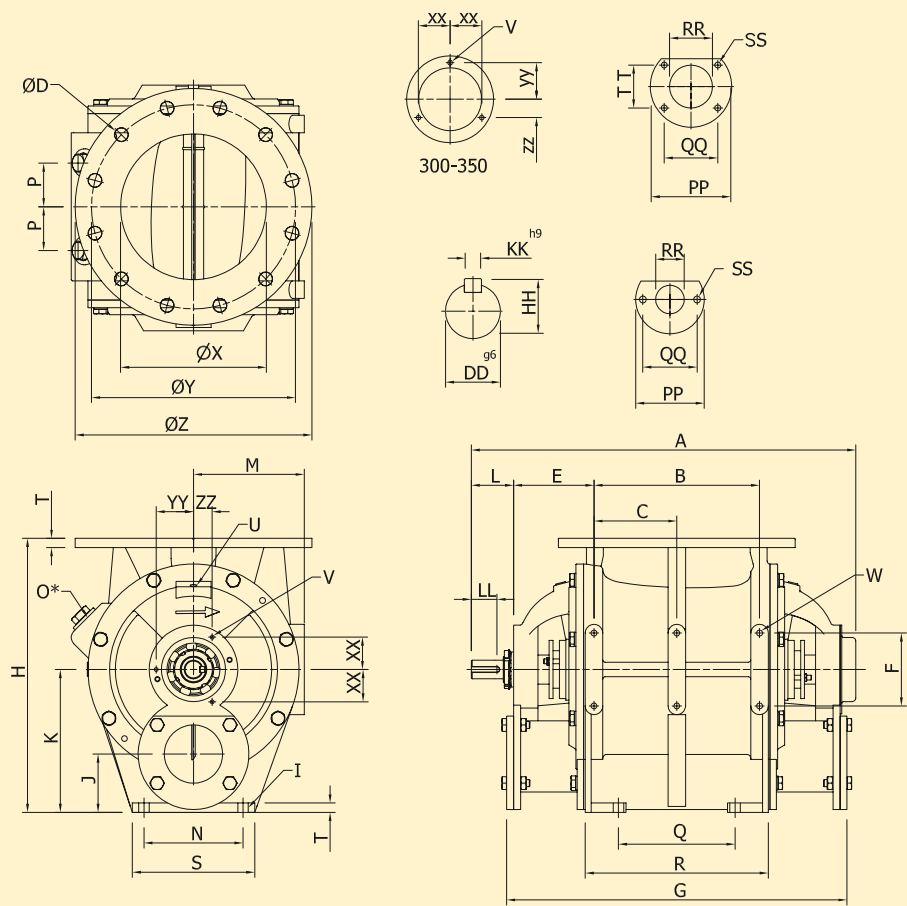
- Lean Phase Pneumatic Conveying
  - Pressure
  - Vacuum

## OPTIONS :

- Chrome Coating
- Tungsten Carbide Coating
- Air Purge Glands
- Cross Slide Rails
- Inlet Restrictor
- Zero Speed Sensor
- Rotor Interference Sensor (RIS)
- High Temperature Modifications
- Pressure Regulator
- Flow Meter
- ATEX / IECEx Rated Electrical Components
- Product Contact Surfaces Polished to 0.8 µm
- 'U' Shaped Rotor Pocket

Rotary Valve

BT



| Size | Swept Volume      | DIN |     |        |     |     |     |     |     |     |     |     |       |     |     |    |     |
|------|-------------------|-----|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|----|-----|
|      | in M <sup>3</sup> | Ø X | Ø Y | Ø D    | Ø Z | A   | B   | C   | E   | F   | G   | H   | I     | J   | K   | L  | M   |
| 150  | 0.003             | 150 | 240 | 8xØ23  | 285 | 484 | 146 | -   | 127 | 100 | 420 | 295 | 4xØ12 | 65  | 155 | 60 | 110 |
| 175  | 0.006             | 175 | 270 | 8xØ23  | 315 | 524 | 190 | -   | 125 | 100 | 460 | 340 | 4xØ14 | 75  | 175 | 60 | 130 |
| 200  | 0.011             | 200 | 295 | 8xØ23  | 343 | 609 | 234 | -   | 138 | 125 | 535 | 410 | 4xØ18 | 90  | 215 | 72 | 160 |
| 250  | 0.019             | 250 | 350 | 12xØ23 | 406 | 659 | 284 | 142 | 138 | 125 | 585 | 470 | 4xØ18 | 100 | 245 | 72 | 190 |
| 300  | 0.034             | 300 | 400 | 12xØ23 | 483 | 763 | 360 | 180 | 150 | 125 | 685 | 565 | 4xØ23 | 120 | 295 | 74 | 225 |
| 350  | 0.058             | 350 | 460 | 16xØ23 | 530 | 833 | 420 | 210 | 155 | 125 | 755 | 665 | 4xØ23 | 132 | 335 | 74 | 270 |

| Size | N   | O* (BSP) | P   | Q   | R   | S   | T  | U (BSP) | V     | W     | XX   | YY   | ZZ   | DD | KK | HH | LL | PP  | QQ    | RR  | TT    | SS    |
|------|-----|----------|-----|-----|-----|-----|----|---------|-------|-------|------|------|------|----|----|----|----|-----|-------|-----|-------|-------|
| 150  | 110 | ¾"       | 40  | 100 | 154 | 140 | 12 | ¼"      | 3xM6  | 4xM10 | 37.1 | 52.5 | 37.1 | 30 | 8  | 33 | 35 | 120 | 95    | 50  | -     | 2xØ12 |
| 175  | 130 | 1"       | 53  | 130 | 190 | 160 | 14 | ¼"      | 3xM6  | 4xM10 | 37.1 | 52.5 | 37.1 | 30 | 8  | 33 | 35 | 140 | 103.9 | 65  | 60.4  | 4xØ12 |
| 200  | 160 | 1 ¼"     | 65  | 160 | 230 | 200 | 14 | ¼"      | 3xM8  | 4xM12 | 55.4 | 64   | 32   | 32 | 10 | 35 | 43 | 170 | 114.7 | 80  | 80.3  | 4xØ14 |
| 250  | 170 | 1 ¼"     | 75  | 200 | 274 | 210 | 16 | ¼"      | 3xM8  | 6xM12 | 55.4 | 64   | 32   | 32 | 10 | 35 | 43 | 190 | 125   | 100 | 100   | 4xØ14 |
| 300  | 190 | 1 ½"     | 95  | 260 | 350 | 240 | 21 | ⅜"      | 3xM10 | 6xM12 | 73.6 | 85   | 42.5 | 38 | 10 | 41 | 44 | 230 | 163.8 | 125 | 114.7 | 4xØ14 |
| 350  | 220 | 1 ½"     | 112 | 310 | 410 | 270 | 26 | ⅜"      | 3xM10 | 6xM12 | 73.6 | 85   | 42.5 | 38 | 10 | 41 | 44 | 244 | 152   | 150 | 152   | 4xØ14 |

All dimensions are in mm.

\*Standard pre-drilled & plug tapped holes for Cast Iron execution.

Note: We reserve the right to modify the dimensions without prior notice.

Manufactured By

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