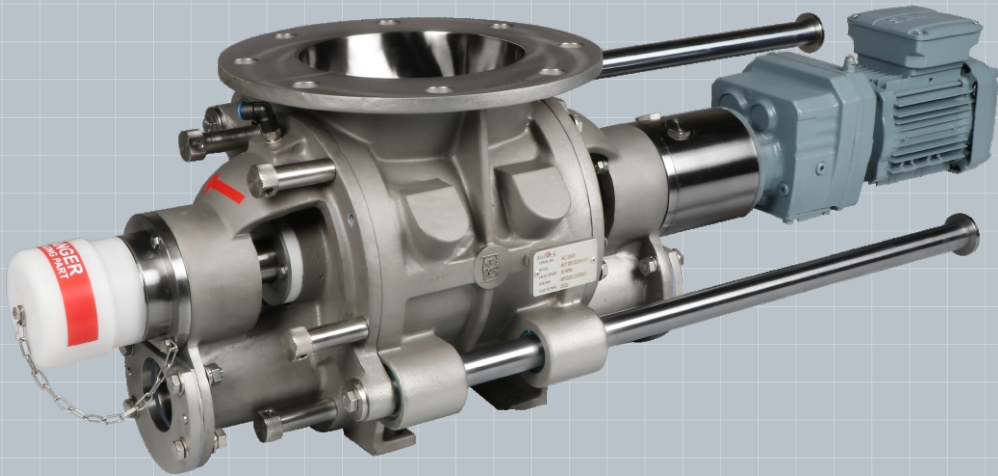


# Rotary Valve

# BT-DCSR VER 2.0



## ROTARY VALVE

Airlock range of **DCSR VER 2.0 BLOW THRU'** Rotary Valves (2T & 2TE) are designed for Pneumatic Conveying of Products in Powder, Granular and Pellet form.

These Valves are available with Dairy Sanitary Seals (DSS) for use in Dairy, Food, Chemical, Plastics, Pet Food, Pharmaceutical Industries and other Dry Bulk Material Handling Industries.

DCSR VER 2.0 Rotary Valve comes with Easy Detachable Rotor and End Cover to perform Quick and Easy Cleaning.

The Highlight of VER 2.0 Rotary Valve is Rotor can be Rotated for Easy Cleaning in Pulled Out Condition.

The Standard DCSR Rotary Valve up to 250 mm Size will have Fixed 8 Bladed Rotor with U-Shaped Pockets and Sizes 300 & 350 mm will have Fixed 9 Bladed Rotor with U-Shaped Pockets.

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

### FEATURES :

- Good Throat Opening and Angle
- Ensures Maximum Filling Efficiency
- Reduced Air Leakage
- 10 bar Pressure Shock Resistance
- ATEX Approved
- USDA Approved
- EHEDG Approved
- MOC in Stainless Steel 316
- Supporting Cross Slide Rails for Easy Removal of Rotor and End Cover
- Increased Safety at Work
- Product Contact Surfaces Polished to 0.8µm (150 Grit) Finish
- Rotor can be rotated for Easy Cleaning
- Alignment of Rotor Shaft into the Drive Shaft has been made Easier for Docking

### APPLICATION :

- ❖ Lean Phase Pneumatic Conveying
  - Pressure
  - Vacuum

### DESIGN :

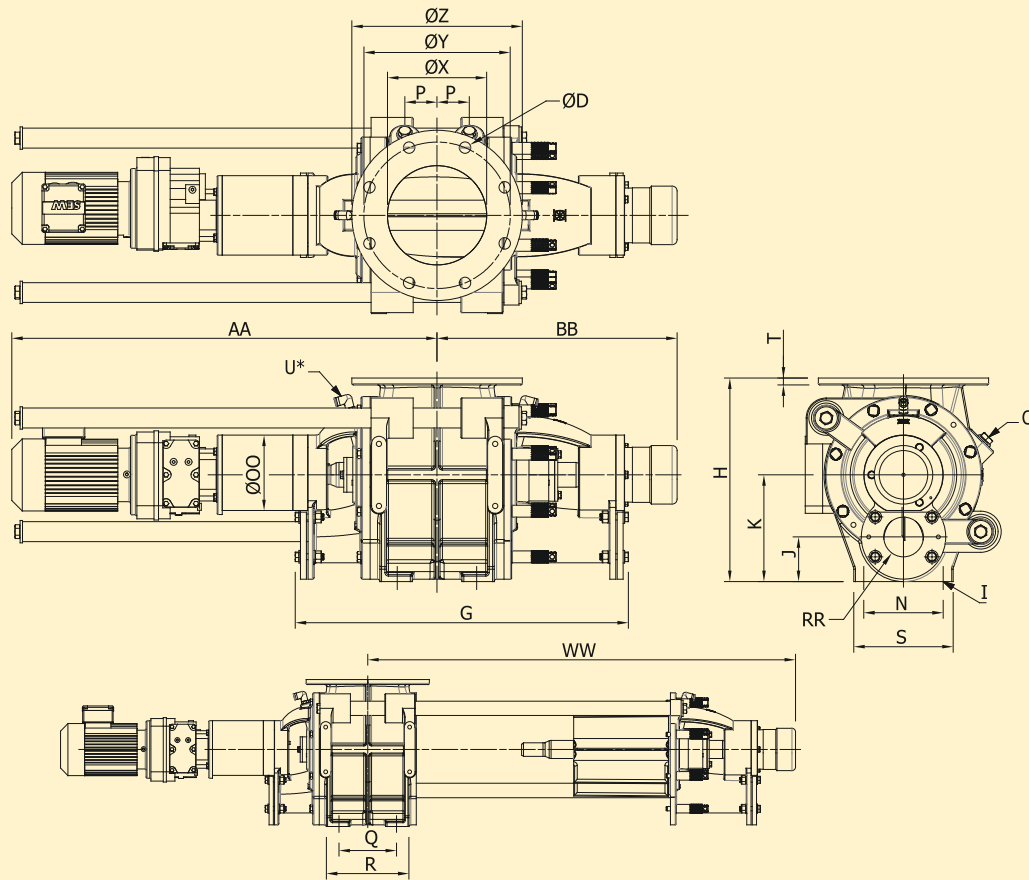
- Sizes from 150 to 350 mm
- DIN / ANSI / JIS Flange Drilling Pattern
- Operating Temperature up to 150 deg C
- Designed for Sanitary Standards

### OPTIONS :

- Chain & Direct Drives
- Zero Speed Sensor
- Rotor Interference Sensor (RIS)
- High Temperature Modifications
- Product Contact Surface Polished to 0.4µm
- Pressure Regulator
- Flow Meter
- Inlet Restrictor
- ATEX / IECEx Rated Electrical Components

# Rotary Valve

# BT-DCSR VER 2.0



| Size | Swept Volume m <sup>3</sup> | DIN |     |        |     | ANSI  |          | H   | I     | J   | K   | N   | P   | Q   |
|------|-----------------------------|-----|-----|--------|-----|-------|----------|-----|-------|-----|-----|-----|-----|-----|
|      |                             | ØX  | ØY  | ØD     | ØZ  | ØY    | ØD       |     |       |     |     |     |     |     |
| 150  | 0.003                       | 150 | 240 | 8xØ23  | 285 | 241.3 | 8xØ23    | 295 | 4xØ12 | 65  | 155 | 110 | 40  | 100 |
| 175  | 0.006                       | 175 | 270 | 8xØ23  | 315 | -     | -        | 340 | 4xØ12 | 75  | 175 | 130 | 53  | 130 |
| 200  | 0.011                       | 200 | 295 | 8xØ23  | 343 | 298.4 | 8xØ23    | 410 | 4xØ18 | 90  | 215 | 160 | 65  | 160 |
| 250  | 0.019                       | 250 | 350 | 12xØ23 | 406 | 361.9 | 12xØ25.4 | 470 | 4xØ18 | 100 | 245 | 170 | 75  | 200 |
| 300  | 0.034                       | 300 | 400 | 12xØ23 | 483 | 431.8 | 12xØ25.4 | 565 | 4xØ23 | 120 | 295 | 190 | 95  | 260 |
| 350  | 0.058                       | 350 | 460 | 16xØ23 | 530 | 476.2 | 16xØ28.6 | 665 | 4xØ23 | 132 | 335 | 220 | 112 | 310 |

| Size | R   | S   | T  | U* (BSP) | O (DAIRY) UNEF | G Dairy | RR Dairy | G   | RR (Max) | AA   | BB  | ØOO | WW   | Type SEW |
|------|-----|-----|----|----------|----------------|---------|----------|-----|----------|------|-----|-----|------|----------|
| 150  | 154 | 140 | 12 | 1/4"     | 1 1/8"         | 495     | 35       | 460 | 50       | 715  | 350 | 120 | 760  | RF 37    |
| 175  | 190 | 160 | 14 | 1/4"     | 1 1/8"         | 545     | 50       | 505 | 65       | 740  | 370 | 120 | 880  | RF 37    |
| 200  | 230 | 200 | 14 | 1/4"     | 1 1/8"         | 695     | 50       | 650 | 80       | 860  | 490 | 160 | 1130 | RF 47    |
| 250  | 274 | 210 | 16 | 1/4"     | 1 1/8"         | 745     | 70       | 700 | 100      | 940  | 510 | 160 | 1190 | RF 47    |
| 300  | 350 | 240 | 21 | 3/8"     | 1 1/8"         | 855     | 100      | 810 | 125      | 1015 | 580 | 200 | 1430 | RF 57    |
| 350  | 410 | 270 | 26 | 3/8"     | 1 1/8"         | 930     | 125      | 885 | 150      | 1190 | 620 | 200 | 1670 | RF 67    |

\* Air purge Connection

All dimensions are in mm.

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

**Manufactured By**

**AIRLOCK INDIA PVT. LTD.**

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