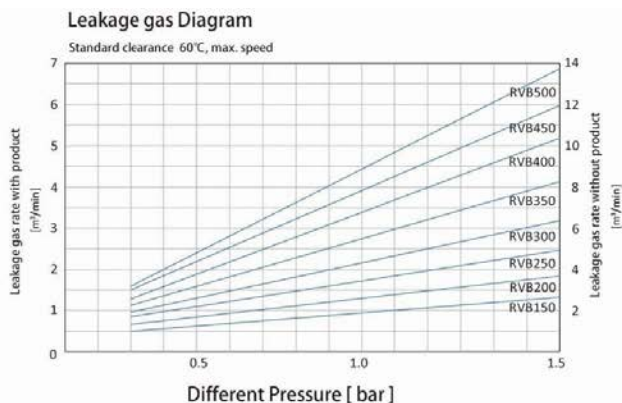


## ROTARY VALVE RVB



### Product Introduction

It is applied to discharge powder or granular material either in positive air pressure or in negative air pressure of pneumatic conveying systems. Also it is a necessary device for ventilation and move dust system. Specific technology of avoid blocking is adopted which can assure the rotary valve run steadily even if it rotate at high speed.

### Product Feature

- ★ Anti-Chopping inlet shape for safe starting below full product column.
- ★ Sheared Enlarge inlet/outlet without restriction of cross section for highest capacity.
- ★ Outboard bearing design, combined seal structures including packing, Oil Seal, labyrinth, shaft gas seal and mechanical seal.
- ★ Minimum gap between rotor and body can lock the air efficiently.
- ★ Configuration is design at high filling rate, the maximum rate up to 100%.
- ★ Optimum vent opening is design for pressure balance inside the shell and improve the filling rate. (customised).
- ★ We fits SEW drives as our standrad, other drives can be fitted on request. Whilst have a perference for direct drives, chain, air and hydraulic drives can be also supplied.

### Construction of Valve

| Parts Name    | Construction Material Type 1 | Construction Material Type 2 | Construction Material Type 3 | Construction Material Type 4 |
|---------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Body          | HT250                        | SS201                        | SS304                        | SS316                        |
| Impeller      | HT250                        | SS201                        | SS304                        | SS316                        |
| Shaft         | SS201                        | SS201                        | SS304                        | SS304                        |
| Side Cover    | HT250                        | SS201                        | SS304                        | SS316                        |
| Seal Material | PTFE/NBR/FG                  | PTFE/NBR/FG                  | PTFE/NBR/FG                  | PTFE/NBR/FG                  |

| Size Type RVB | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Ltr/rev*      | 3.5 | 7.5 | 14  | 24  | 35  | 50  | 70  | 90  |

\* at 100% filling

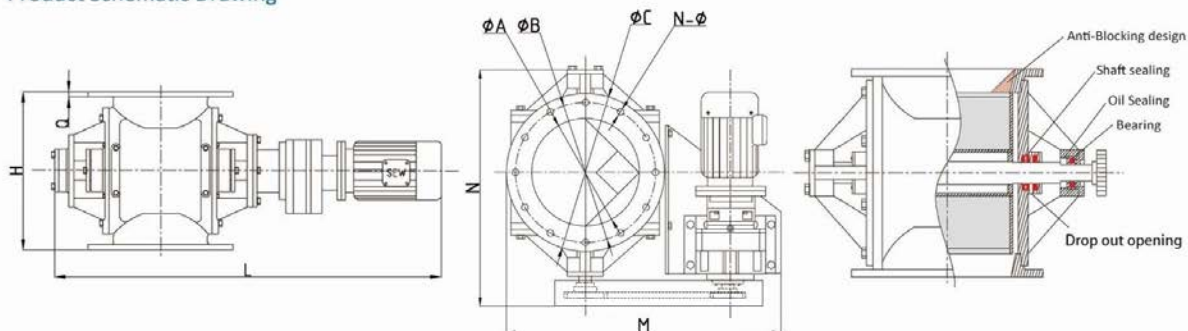
## ROTARY VALVE RVB



### Main Parameters and Option

|                 |                    |                                                               |
|-----------------|--------------------|---------------------------------------------------------------|
| Main Parameters | Pressure Range     | 2 bar system and differential pressure                        |
|                 | Work Temperature   | -20°C~300°C                                                   |
|                 | Main Size          | DN150 ~ 500 (6" ~ 20")                                        |
|                 | Flange Standard    | PN10, ANSI 150lbs, JIS, GB, HG, SH or customised              |
|                 | Drive Mode         | Direct Drive/ Chain Drive with OSHA Guard                     |
|                 | Capacity           | 100 KG~80000Kg/H                                              |
| Option          | Application Medium | Granular form                                                 |
|                 | Rotor              | Adjust blades, reduce capacity, scalloped, end disc etc.      |
|                 | Plating            | Nickel and chrome plating and Tungsten coating                |
|                 | Else               | Drop out box, air purge regulation station, vent opening etc. |

### Product Schematic Drawing



### Technical Parameters

| Type        | Installation Dimension |     |     |    |     |      |      |      |        | RPM  | Motor | Weight (kg) |
|-------------|------------------------|-----|-----|----|-----|------|------|------|--------|------|-------|-------------|
|             | ØA                     | ØB  | ØC  | Q  | H   | L    | M    | N    | N-Ø    |      |       |             |
| R<br>V<br>B | 150                    | 220 | 250 | 8  | 300 | 780  | 600  | 560  | 8-Ø13  | 3~35 | 0.75  | 100         |
|             | 200                    | 280 | 320 | 10 | 350 | 820  | 650  | 600  | 8-Ø18  |      | 0.75  | 120         |
|             | 250                    | 330 | 370 | 10 | 380 | 850  | 720  | 640  | 8-Ø18  |      | 1.1   | 165         |
|             | 300                    | 390 | 440 | 15 | 460 | 1000 | 850  | 720  | 12-Ø18 |      | 1.5   | 280         |
|             | 350                    | 450 | 500 | 15 | 520 | 1050 | 920  | 780  | 12-Ø18 |      | 1.5   | 450         |
|             | 400                    | 500 | 550 | 20 | 580 | 1110 | 990  | 870  | 12-Ø18 |      | 2.2   | 610         |
|             | 450                    | 565 | 615 | 20 | 660 | 1170 | 1100 | 930  | 16-Ø22 |      | 2.2   | 710         |
|             | 500                    | 620 | 670 | 20 | 720 | 1230 | 1180 | 1000 | 16-Ø22 |      | 3.0   | 820         |

\* Note: If match special flange, please let us know before production.