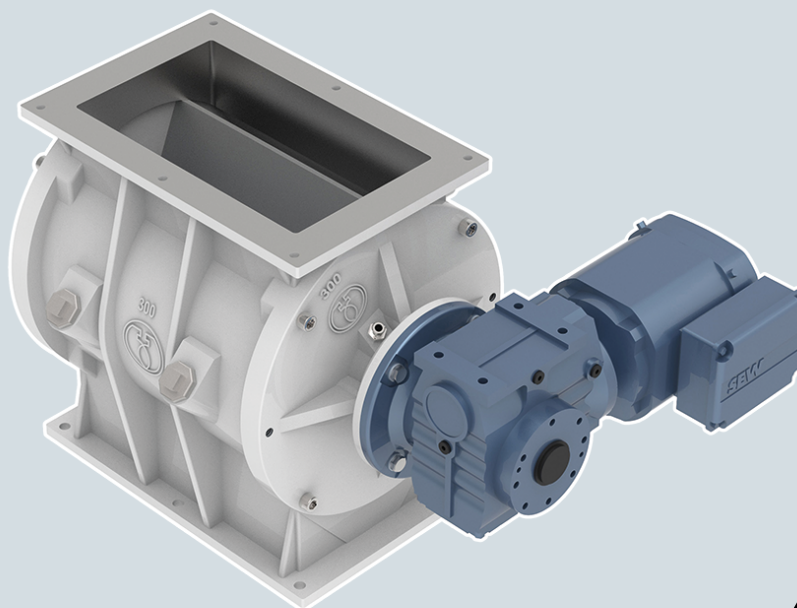




## RS ROTARY VALVES



Drop through rotary valve, particularly for dosing powders and granulates from silo's or hoppers. It has a rectangular in- and outlet, which makes this valve perfect as inlet valve in pneumatic lines, even with abrasive media. This valve has got a large range of different characteristics to choose from and is also available for big capacities, which allows you to choose the best version to suit your demands. Max. differential pressure: 1 bar.

### CHARACTERISTICS

- Standard color RAL 9001
- Many rotor varieties
- Standard with ball-bearings
- Indirect or direct drive
- Suitable for dosing large quantities
- Standard with cast iron housing and covers
- External supports with external ball bearings possible
- Low air-loss
- Available in SS 316 (up to size 300)
- Open rotor (steel or SS)
- Large temperature range
- Many options and extra's possible
- Material compatibility for food contact in compliance with EC Regulation n° 1935/2004 available on request
- ATEX version CAT II 1/\*\*D Ex h IIC T135°C possible (\*\*2 of 3) for use in ATEX zone 21 or 22

### TECHNICAL INFORMATION

| Type                                                    | 150                                           | 180 | 230 | 270 | 300 | 350 | 450 | 600 |
|---------------------------------------------------------|-----------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Volumetric capacity (liters/rev. at 100% filling ratio) | 2                                             | 4   | 8   | 12  | 20  | 40  | 80  | 120 |
| Rotorblades                                             | 8                                             | 8   | 8   | 8   | 8   | 10  | 10  | 12  |
| Max. diff. pressure                                     | 1 bar                                         |     |     |     |     |     |     |     |
| Working temperature standard                            | -15 up to 60 °C (heat resistant up to 220 °C) |     |     |     |     |     |     |     |

### ROTOR VARIETIES

| Rotor types     |    |                                                                                     |    |                                                                                     |     |                                                                                       |     |                                                                                       |
|-----------------|----|-------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|
|                 |    | A / A1                                                                              |    | C / C1                                                                              |     | D* / D1*                                                                              |     | E* / E1*                                                                              |
|                 |    |  |    |  |     |  |     |  |
| <b>Straight</b> | A  | Straight blades standard                                                            | C  | Straight blades with chamfered tips on all sides                                    | D*  | Straight blades with exchangeable rotor tips on top                                   | E*  | Straight blades with exchangeable rotor tips on all sides                             |
| <b>Inclined</b> | A1 | Inclined blades standard                                                            | C1 | Inclined blades with chamfered tips on all sides                                    | D1* | Inclined blades with exchangeable rotor tips on top                                   | E1* | Inclined blades with exchangeable rotortips on all sides                              |

\*Exchangeable blades in hardened c72 steel, stainless steel or Vulkollan

## MEASUREMENTS, RPM AND WEIGHT

| Measurements (mm) |              |               |               |                |     |              |               |              |  |  |
|-------------------|--------------|---------------|---------------|----------------|-----|--------------|---------------|--------------|--|--|
| Type              | A<br>(inlet) | A<br>(outlet) | B1<br>(inlet) | B1<br>(outlet) | B   | C<br>(inlet) | C<br>(outlet) | D<br>(inlet) |  |  |
| RS150             | 155x105      | 155x105       | 145           | 145            | 95  | 210x165      | 210x165       | 6xM8         |  |  |
| RS180             | 190x118      | 190x118       | 155           | 155            | 115 | 250x178      | 250x178       | 6xM8         |  |  |
| RS230             | 238x135      | 235x135       | 172           | 172            | 135 | 298x200      | 298x200       | 6xM8         |  |  |
| RS270             | 276x148      | 276x158       | 194           | 194            | 155 | 342x222      | 342x222       | 6xM10        |  |  |
| RS300             | 340x198      | 340x198       | 250           | 250            | 195 | 428x278      | 428x278       | 6xM12        |  |  |
| RS350             | 470x238      | 476x220       | 300           | 300            | 180 | 580x352      | 580x332       | 8xM12        |  |  |
| RS450             | 570x285      | 570x285       | 185(2x)       | 370            | 215 | 710x435      | 710x425       | 10xM14       |  |  |
| RS600             | 635x356      | 695x356       | 244(2x)       | 244(2x)        | 266 | 840x530      | 840x530       | 10xM16       |  |  |

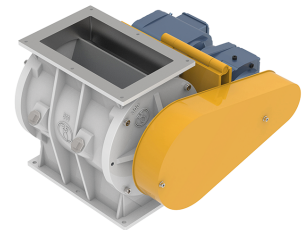
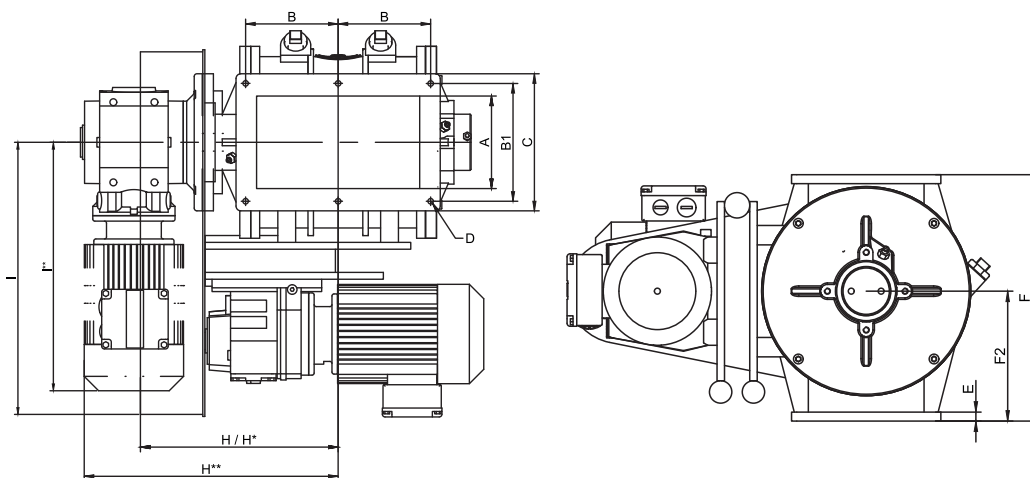
| Measurements (mm) |               |    |     |     |     |       |     |     |     | RPM    | Gross weight (kg)* |
|-------------------|---------------|----|-----|-----|-----|-------|-----|-----|-----|--------|--------------------|
| Type              | D<br>(outlet) | E  | F   | F2  | H   | H*    | H** | I   | I** |        |                    |
| RS150             | 6x Ø10        | 10 | 245 | 130 | 231 | 332.5 | 292 | 367 | 286 | max 32 | 59                 |
| RS180             | 6x Ø10        | 11 | 270 | 140 | 252 | 352   | 313 | 380 | 286 | max 32 | 67                 |
| RS230             | 6x Ø10        | 12 | 330 | 174 | 290 | 394   | 347 | 401 | 352 | max 32 | 97                 |
| RS270             | 6x Ø12        | 12 | 390 | 213 | 315 | 422   | 372 | 421 | 352 | max 32 | 135                |
| RS300             | 6x Ø13        | 13 | 447 | 248 | 353 | 472   | 452 | 497 | 383 | max 32 | 190                |
| RS350             | 8x Ø14        | 15 | 530 | 290 | 452 | 577   | 549 | 540 | 404 | max 32 | 318                |
| RS450             | 8x Ø15        | 22 | 677 | 339 | 535 | 670   | 685 | 635 | 503 | max 32 | 575                |
| RS600             | 10x Ø18       | 25 | 830 | 415 | 635 | 772   | -   | 765 | -   | max 32 | 1100               |

\* Chain transmission

Column H\*: total length with external supports

Column H + column I: chain transmission

Column H\*\* + Column I\*\*: helical worm direct drive

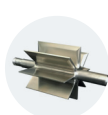


More information  
about rotary valves in  
the **catalogue**  
**Rotary valves**

## OPTIONS AND ACCESSORIES



Housing treatments



Rotor treatments



External bearings



Air purge



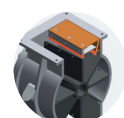
Revolution control



Quick disassembly  
versions



Injector



Slip off

### Others:

- Nickel plating
- Tungsten carbide coating
- Teflon coating
- Polishing (SS only)