

BETTER IN ROTARY VALVES

Rotary Airlocks and Blowing Seals



 **tbma**

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Components for Dry Solids Handling

HIGH DUTY



Type H-AR

Application:

- Mounted below powder hoppers or as dust explosion barrier (Type HAR-1)
- Dosing, pneumatic conveying

Features:

- ATEX 95 certified
- Flange size: DN150 - DN500
- Rotor volume: 2,5 up to 125 ltr./rev
- Body and end covers: cast iron or stainless steel
- Corrosion or abrasion resistant coatings optional
- Rotor executed in steel or stainless steel
- Rotor with 8 fixed or 9 adjustable rotor blades
- Outboard, dust-tight ball bearings
- Max. operating pressure differential 1,5 bar
- Certified dust-explosion and flame proof up to 10 bar (Type HAR-1)



Type H-GR

Application:

- Direct dosing into pneumatic conveying systems

Features:

- ATEX 95 certified
- Flange size: DN150 - DN350
- Rotor volume: 2,5 up to 58 ltr./rev
- Body and end covers: cast iron or stainless steel
- Corrosion or abrasion resistant coatings optional
- Rotor executed in steel or stainless steel
- Rotor with 8 fixed or 9 adjustable rotor blades
- Outboard, dust-tight ball bearings
- Max. operating pressure differential 1,5 bar
- Pressure shock resistant up to 10 bar



Type H-AX

Application:

- Mounted below powder hoppers for abrasive and/or mildly cohesive products
- Dosing, pneumatic conveying

Features:

- ATEX 95 certified
- Flange size: DN150 - DN350 (square/circular)
- Choice of either round or square inlet / outlet
- Rotor volume: 2,5 up to 34 ltr./rev
- Body: cast iron (250) or steel, end covers: cast iron
- Corrosion or abrasion resistant coatings optional
- Rotor executed in steel or stainless steel
- Rotor with 8 fixed or 9 adjustable rotor blades
- Outboard, dust-tight ball bearings
- Max. operating pressure differential 1,5 bar
- Pressure shock resistant up to 10 bar

MEDIUM-DUTY



Type R-AX

Application:

- Mounted below powder hoppers for abrasive and/or mildly sticky products
- Dosing, pneumatic conveying of non-abrasive products

Features:

- ATEX 95 certified
- Flange size: DN150 - DN350 (square/circular)
- Choice of either round or square inlet / outlet
- Rotor volume: 2,5 up to 34 ltr./rev
- Body: cast iron (250) / steel, end covers: steel
- Corrosion or abrasion resistant coatings optional
- Rotor executed in steel or stainless steel
- Rotor met 8 fixed or adjustable rotor blades
- Max. operating pressure differential 1 bar
- Direct drive



Type M-AX

Application:

- Mounted below powder hoppers for abrasive and/or mildly sticky products
- Dosing, pneumatic conveying of non-abrasive products

Features:

- ATEX 95 certified
- Flange size: DN150 - DN350 (circular)
- Rotor volume: 2,5 up to 58 ltr./rev
- Body: cast iron, end covers: steel
- Corrosion or abrasion resistant coatings optional
- Rotor executed in steel or stainless steel
- Rotor met 8 fixed or adjustable rotor blades
- Max. operating pressure differential 1 bar
- Direct drive

LIGHT-DUTY



Type S-AX

Application:

- Below dust filters and cyclones, airlock

Features:

- ATEX 95 certified
- Flange size: DN250 (square/circular)
- Choice of either round or square inlet / outlet
- Rotor volume: 9,5 ltr./rev
- Body and end cover: cast iron GGG 50 (SmartLite™)
- Steel rotor 6 or 8 blades with Polyurethane blade tips
- Suitable as protective system / St 2 explosion barrier
- Certified dust-explosion and flame proof up to 2,5 bar
- Max. operating pressure differential 0,5 bar
- Direct drive

SPECIAL DUTY

Application:

- Accurate discharge of poor flowing products
- Volumetric and gravimetric dosing
- Pneumatic conveying

Type HZ



Features:

- Atex 95 certified
- Flange size: DN150 - DN700
- Rotor volume: 0,5 up to 60 ltr./rev
- Construction: steel or stainless steel
- Corrosion/abrasion resistant coatings optional
- Special agitators for poor flowing products
- Max. operating pressure differential: 1,5 bar



Special executions

- Quick release rotor system (Quick-Clean)
- Heat resistant valve execution up to 400°C.
- Sanitary valve execution
- Larger executions available up to 547 ltr./rev
- Special shaft seal executions
- Venting facility, heating and thermal insulation
- Rotors in various special executions
- Pulsed air injection system
- Mobile valve execution

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