NON-DEMOUNTABLE ROTARY VALVE

Features:
- High filling efficiency
- Shared angle inlet
- Minimum air leakage
- Explosion proof models available up to 145 PSI
- Customized solutions
- Bored flanges in accordance with PN 10, ANSI 150 lbs. and JIS
- Flameproof versions available suitable for SI2 products
- Versions conforming to ATEX 94/9/EC available

The AL airlocks and BL blow through valves have been designed for many applications in the metering and pneumatic conveying of products in powder and granular form. These valves are the result of 30 years continuous development.

Product Information
The product line also includes USDA approved models for sanitary use in the food and pharmaceutical industry; the types DAIRY and DAIRY MZC. These stainless steel valves are easily detachable in a few minutes and meet the highest sanitary standards.

The AL valves are available in 10 consecutive sizes from 100-500, covering a capacity range of the rotor from .03 to 8.12 CFR at 100% filling. In the 400-500 sizes, the valves can be supplied with square in- and outlet (type OS). The blow through valves are available in the BL-version 150-350 and the GOS version 400-500. See last page for a photo of the GOS version. Further information is available.

Drive options include chain, direct, air and hydric drive.

AL Model

An extensive and flexible range of rotary valves is available. Due to the modular design of the valves, many different configurations are available using standard components (see next page).

BL Model

Standard models are suitable for products up to a temperature of 302°F and a maximum pressure differential of 29 PSI. Special configurations are available to accommodate temperatures between -328°F and 1652°F. Configurations pressure shock resistant up to 145 PSI and explosion proof models are also available.

The AL valve is available with an optional body with one round and one square flange and a larger diameter inlet; AML version. The AML valve can also be used as a transition piece from round to square or vice versa. See last page for photograph.

All models offer optimum venting through the large vent holes, standard pre-drilled and plugged on case iron based versions, option on stainless steel and aluminum versions.
The AL and BL valves are assembled with the following standard components:

### Housing and end covers
- cast iron
- Cast iron, hard chromium pleated internally
- Cast iron, electroless nickel plated internally
- Cast iron, provided with a tungsten carbide wear layer
- Stainless steel 316
- Aluminum (AL, BL enlarged inlet)

### Rotors
- fixed blades
- Provided with replaceable and adjustable blades
- With reduced capacity and replaceable blades
- With rounded pockets and fixed blades
- With end plates

### Shaft Materials
- steel
- Stainless steel 316
- Options with hard chromium or tungsten carbide coating

### Rotor blades
- steel
- Steel, hardened
- Steel, hard chromium plated or electroless nickel plated
- Stainless steel 316
- Plastic (polyurethane, Teflon etc.)
- Brass
- Hardened steel or hardened stainless steel scraper blades (optional chrome plating)
- Chamfered

### Shaft seals
- packing ring or air purged type seals according to customers’ requirements

### Bearings
- outrigged ball-bearings, sealed for life

### Body vents
- standard pre-drilled and plugged on cast iron based versions, optional on stainless steel and aluminum versions

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**Variations on standard components are available**

We shall be pleased to send you further detailed documentation concerning our AL/BL range or other DMN products.
AL NON-DEMOUNTABLE RV

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**AL-BL ACCESSORIES**

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**Accessoires:**

- Inlet restrictor and drop out box
- Vent openings in body
- Air purge regulation station
- Easy detachable version
- Easy detachable MZC version

---

**Capacity graph**

Filling efficiency 100%

**size**

- 150
- 175
- 200
- 250
- 300
- 350
- 400
- 500

**rpm**

- FT³/HR

- 8.8
- 26.5
- 35.3
- 52.9
- 70.6
- 105.9
- 141.2
- 211.9
- 282.5
- 353.1
- 529.7
- 706.3
- 1059.4
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Powder Process-Solutions
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Fax: 952-279-5206
sales@powder-solutions.com
www.powder-solutions.com
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Other Valves:

![AL-MZC](image)
![BL-DAIRY](image)
![AML](image)
![GL](image)
![DL](image)
![MLD-MALD-MGLD](image)
![SAL](image)
![TDV](image)
![M-TDV](image)
![PTD](image)
![FVV](image)
![FDV](image)
![GPD](image)
![SC](image)
![OS / GOS](image)