

# BL-BXL



## BL-BXL rotary valves

The BL and BXL blow through rotary valves have been designed by DMN-WESTINGHOUSE for many applications in the metering and pneumatic conveying of products in powder and granular form. Due to the modular design of this extensive and flexible range of valves many different configurations are available, using standard components.

The BXL valve with enlarged inlet is specifically designed for applications where inlet size is more important than capacity or for handling products with poor flowability. This valve is also available with an extra enlarged inlet: type BXXL.

The BL Dairy range includes USDA Dairy Accepted models and versions conforming to the EC 1934/2004 directive for sanitary use in the food and pharmaceutical industry. These stainless steel valves are easy detachable in a few minutes and meet the highest hygienic standards.

Both BL and BXL valves are optionally available in MZC execution with supporting bars for easy removal of the end cover and rotor without damaging the housing. The MZC valves are easy detachable in a few minutes.

The BL valves are available in 6 consecutive sizes from 150-350. For the bigger sizes (400-500) the valves are supplied with square in- and outlet (type GOS). The BXL valves are available in 4 sizes from 200-350, capacity range of the rotor from 5,5-34 litre per revolution at 100% filling. The BXL size corresponds with the dimension of the inlet flange. The BXXL valve sizes are available upon request.

|               |     |     |      |     |     |     |
|---------------|-----|-----|------|-----|-----|-----|
| Size Type BL  | 150 | 175 | 200  | 250 | 300 | 350 |
| Size Type BXL |     | 200 | 250  | 300 | 350 |     |
| Ltr/rev*      | 2,5 | 5,5 | 10,5 | 19  | 34  | 58  |

\* at 100% filling

- High filling efficiency
- Sheared angle inlet
- Minimum air leakage
- Explosion proof models available up to 10 bar g
- Customised solutions
- Drilled flanges in accordance with PN10, ANSI 150lbs and JIS
- Flameproof versions available suitable for St2 products
- Versions conforming to ATEX 94/9/EC available
- Easy detachable versions available

## Product information

The BL valves are supplied in 316 stainless steel, cast iron and aluminium. The BXL valves are available in 316 stainless steel and aluminium. Variations such as nickel and chrome plating and Tungsten coating are equally available on both models.

The standard rotor has 9 fixed blades. Various rotor configurations are optionally available, such as adjustable blades, reduced capacity, scalloped fixed vaned, end disc etc. Due to the state of the art manufacturing facility high accuracy and tight rotor clearances can easily be attained. The end covers have outboard bearing, lubricated and sealed for life. Eight different types of shaft sealing are available.

The standard models are suitable for products up to a temperature of 150 °C and a maximum pressure difference of 2 bar. Certified configurations are available that are pressure shock resistant and flame proof for St2 products.

All models offer optimum venting through the large vent holes, standard pre-drilled and plugged on cast iron based options, optional on stainless steel and aluminium versions.

DMN-WESTINGHOUSE fits SEW drives as their standard, other drives can be fitted on request. Whilst having a preference for direct drives, chain, air and hydraulic drives can also be supplied.