



- High filling efficiency
- Sheared angle inlet
- Minimum air leakage
- Explosion proof models available up to 10 bar g
- Customised solutions
- Easy detachable versions available
- Cast irons versions currently available

USAL rotary valves

The USAL 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 USAL valves are also available with two optional bodies in various material sorts, one having round-round flanges (AL) and one having round-square flanges (AML). See separate leaflets for further information.

The USAL valves are available in 3 consecutive sizes: 200, 250 and 300 covering a capacity range of the rotor from 5,5 to 19 liter per revolution at 100% filling.

Size	200	250	300
Ltr/rev*	5,5	10,5	19

* at 100% filling

Product information

The USAL valves are supplied in cast iron. Variations such as nickel and chrome plating and Tungsten coating are equally available.

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 bearings, 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 g. All models offer optimum venting through the large vent holes, standard pre-drilled and plugged.

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.