

AIRLOCK – USAL

The USAL rotary valves have been designed for many applications in the metering and pneumatic conveying of products in powder and granular form.

The USAL has square in-/outlet flanges. It has an enlarged inlet specifically designed for applications where inlet size is more important than capacity, or for handling products with poor flowability.

Available sizes and capacity

Size USAL	200	250	300
Capacity* FT ³ /REV.	0.19	0.37	0.67

*Capacity per revolution at 100% filling



Specifications

- ▶ Minimum air leakage
- ▶ High filling efficiency
- ▶ Sheared angle inlet
- ▶ Easy detachable versions available
- ▶ Only cast iron versions available
- ▶ ATEX 2014/34/EU certification available
- ▶ Customised solutions
- ▶ EC1935/2004 conformity available

Product Information

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

The standard rotor has 9 blades. Various rotor configurations are available, such as adjustable or fixed blades, reduced capacity, scalloped fixed vaned, end disc etc. The end covers have outboard bearings, lubricated and sealed for life. Shaft seals are available with gland packing or lipseal and optional air purge.

The standard models are suitable for products up to a temperature of +302°F and a maximum pressure difference of 29 PSI. Special configurations are available to accommodate temperatures up to +725F. All models offer optimum venting through the large vent holes, standard pre-drilled and plugged.

DMN-WESTINGHOUSE fits SEW drives as their standard. Whilst having a preference for direct drives, chain, drives can also be supplied.

Application

The USAL is suitable for the following industries:

- ▶ Plastics
- ▶ Pet food
- ▶ Animal feed
- ▶ Chemicals
- ▶ Biomass
- ▶ Aquaculture
- ▶ Cosmetics
- ▶ Paint
- ▶ Minerals
- ▶ Recycling
- ▶ Batteries
- ▶ Tires

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