



Valves

Handling the world's dry bulk solids®

VORTEX® IRIS VALVE™

The patented Vortex® Iris Valve is designed specifically to handle dry bulk solids in gravity discharge of free-flowing material from bins, bulk bags, chutes, and hoppers. The Vortex® Iris Valve is constructed with stainless steel control rings, metal handle and trigger lock, and nylon shim for durability and smooth actuation. A form fitted fabric sleeve provides a dust tight seal and product barrier, which prevents material leakage to atmosphere. The Iris Valve is designed to eliminate problems, enabling you to meet your objectives by increasing production, while decreasing labour and equipment costs.

Vortex® Iris Valve Features

- No Binding or Galling. Smooth Actuation
- Unobstructed Bore for Unrestricted Flow of Material
- Fabric Sleeve Prevents Material Degradation
- Easy Installation and Maintenance



Valve Specifications

Size/Bore Options	100mm to 450 mm Diameters
Media	Powder, Pellets, Granulars
Connection Options	Standard Flange Pattern, Tube Stub, or Ferrule Couplings
Media Temperature	Up to 66°C continuous / intermittent service
Media Pressure	0 barg, Gravity Flow Only
Metal Construction Options	304 or 316L Stainless Steel, and/or Aluminium
Sleeve Material Options	Nylon, Teflon, Urethane, or Rubber
Drive/Actuation Options	Infinite Position Hand Lever , Quick Lock Hand Lever, or Tote Handle
Position Confirmation	Visual, Proximity Switch
Compliance/Approvals	CE, FDA
Industry Use	Plastics, Petrochemicals, Chemicals, Foods, Minerals, Textiles, Agriculture



Patent No. 7021604

Application Specific Modifications

SC	All steel material contact components are 304 stainless steel.
S-SC	All steel material contact components are 316L stainless steel.
UR	Valve Sleeve is a 4 oz. nylon that is urethane coated.
TF	Valve Sleeve is an 8 oz. Teflon material.
FP	Optional bolt-hole pattern is specified.