



# 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 labor 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	4", 6", 8", 10", 12", 15", and 18", Diameters
Media	Powder, Pellets, Granulars
Connection Options	Std. Flange Pattern, Tube Stub, or Ferrule Couplings
Media Temperature	Up to 120°F continuous to 250°F intermittent service
Media Pressure	0 PSIG, Gravity Flow Only
Metal Construction Options	304 or 316L Stainless Steel, and/or Aluminum
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 alloy.
S-SC	All steel material contact components are 316L Stainless Steel alloy.
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.