



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



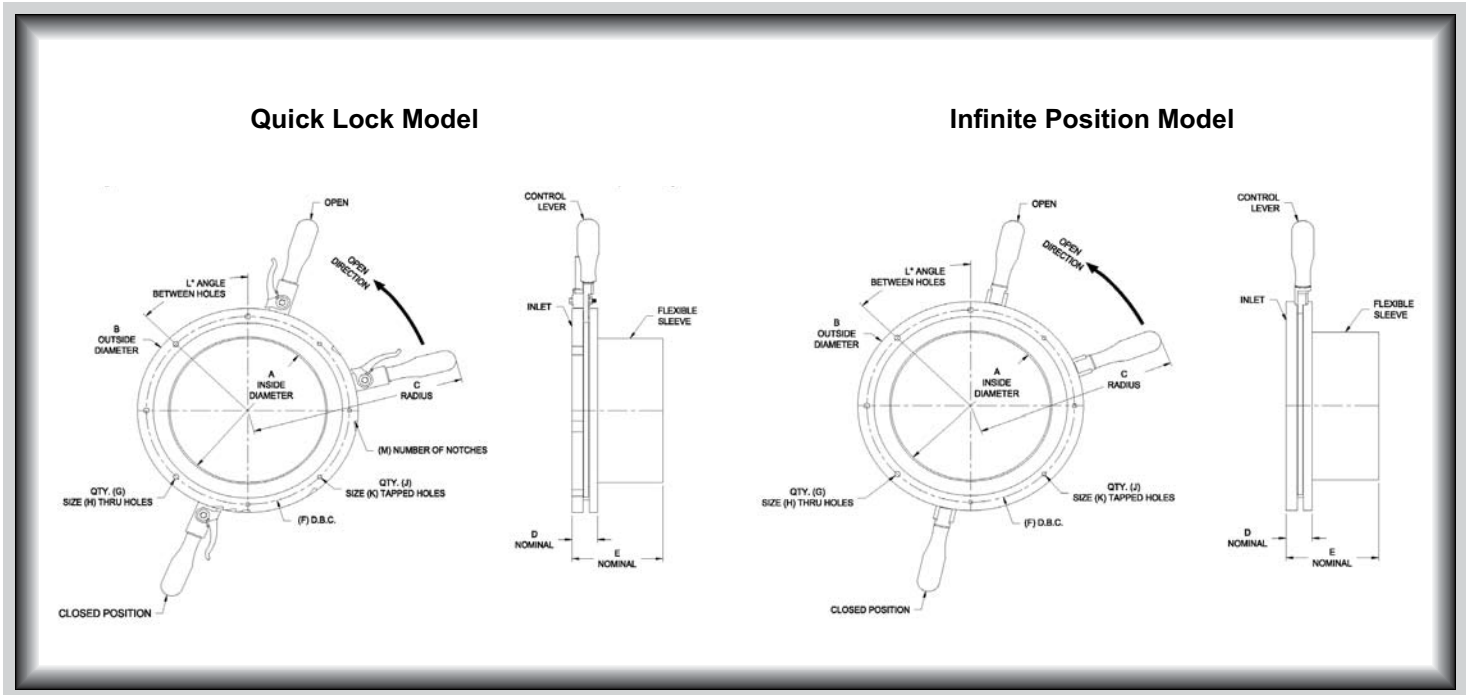
Patent No. 7021604

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.



VORTEX® IRIS VALVE™ DIMENSIONAL INFORMATION



Quick Lock Model	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	WT (kg)
UB100QL	102	178	257	41	57	152	3	9	3	M8-1.25	60	4	1	--	--	--	--	--	3
UB150QL	152	229	283	41	89	203	3	9	3	M8-1.25	60	4	3	3	9/32	3	1/4-20 UNC	60	6
UB200QL	203	279	308	41	114	254	4	9	4	M8-1.25	45	4	4	3	9/32	3	1/4-20 UNC	60	7
UB250QL	254	356	346	41	146	327	4	9	4	M8-1.25	45	4	5	4	13/32	4	3/8-16 UNC	45	10
UB300QL	305	406	371	41	165	378	4	9	4	M8-1.25	45	4	7	4	13/32	4	3/8-16 UNC	45	16
UB375QL	381	495	416	41	203	470	6	9	6	M8-1.25	30	4	11	4	13/32	4	3/8-16 UNC	45	25
UB450QL	457	559	448	41	267	530	9	9	6	M8-1.25	30	4	15	--	--	--	--	--	34

Infinite Position Model	A	B	C	D	E	F	G	H	J	K	L	WT (kg)
UB100IP	102	178	232	41	57	152	3	9	3	M8-1.25	60	1
UB150IP	152	229	257	41	90	203	3	9	3	M8-1.25	60	3
UB200IP	203	279	283	41	114	254	4	9	4	M8-1.25	45	4
UB250IP	254	356	321	41	146	327	4	9	4	M8-1.25	45	5
UB300IP	305	406	346	41	165	378	4	9	4	M8-1.25	45	7
UB375IP	381	495	391	41	203	470	6	9	6	M8-1.25	30	11
UB450IP	457	559	422	41	254	530	6	9	6	M8-1.25	30	15

All dimensions are in mm, Information subject to change without notice.