



# 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 designed 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 into the atmosphere. The Iris Valve™ is designed to eliminate problems, increase 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
- Stainless Steel Control Ring



### Valve Specifications

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



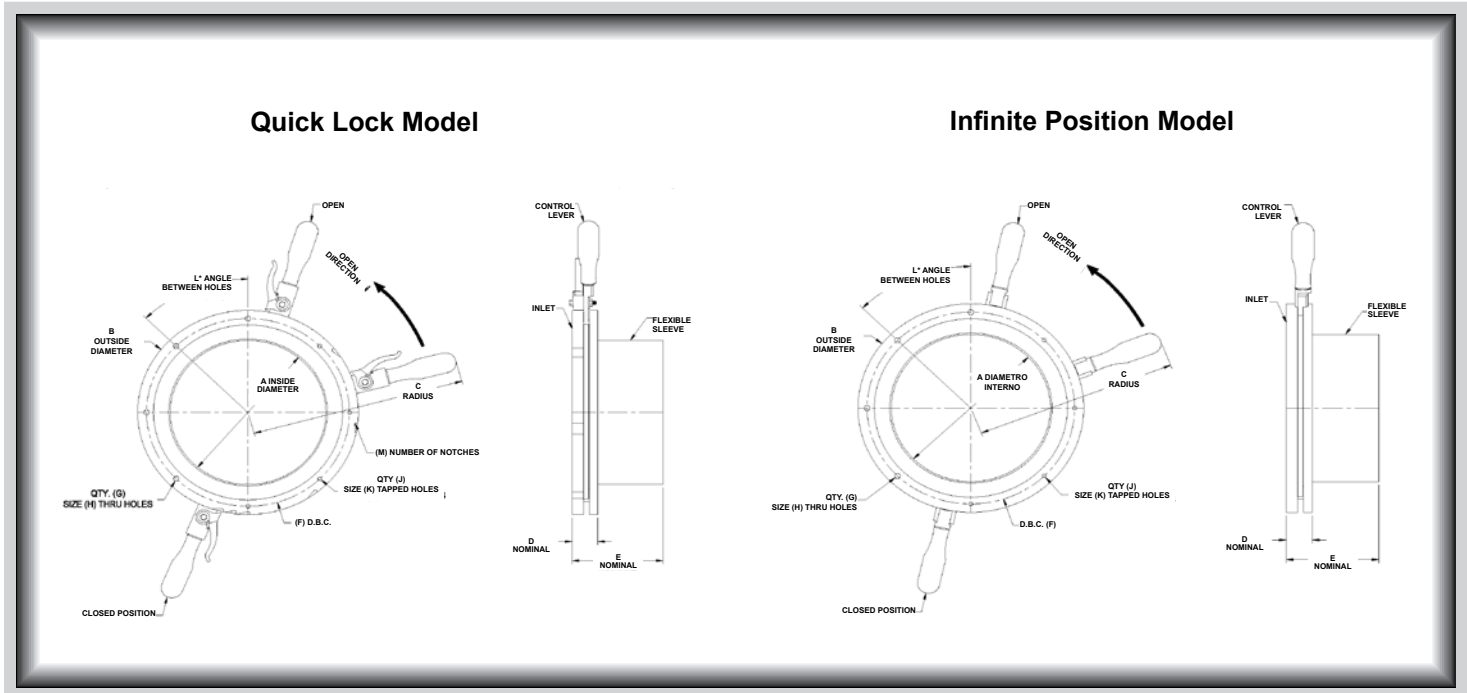
Patent No. 7021604

### Application Specific Modifications

<b>SC</b>	All steel material contact components are 304 stainless steel.
<b>S-SC</b>	All steel material contact components are 316L stainless steel.
<b>UR</b>	Valve sleeve is a 4 oz. Nylon that is urethane coated.
<b>TF</b>	Valve sleeve is an 8 oz. Teflon material.
<b>FP</b>	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.