Techno Links New Zealand Limited
17A Hobill Ave, Wiri
Auckland 2104
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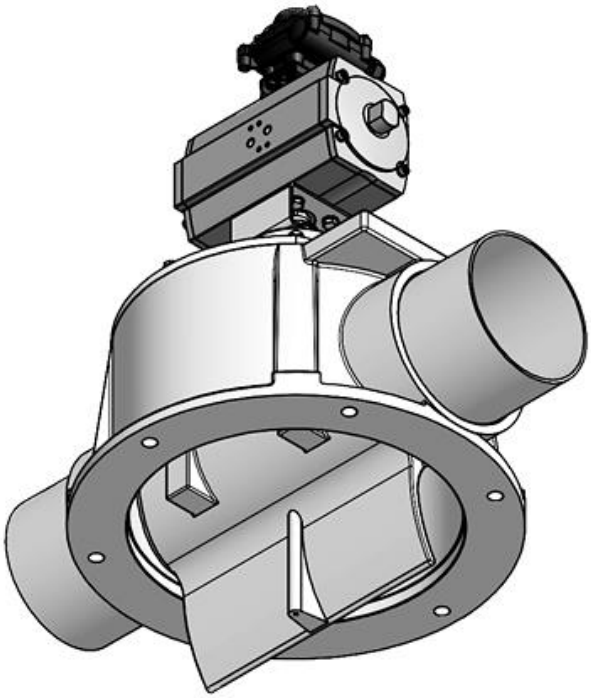
Auckland 2241
New Zealand

SCALE VALVE – ACTUATOR OPERATED TYPE



FEATURES

- Compact design
- Optimal sealing
- Minimal process loss
- Simple construction with minimal contact area
- Available with flange or pipe connections
- Available in stainless steel, cast iron and aluminium materials

PRINCIPLE OF OPERATION

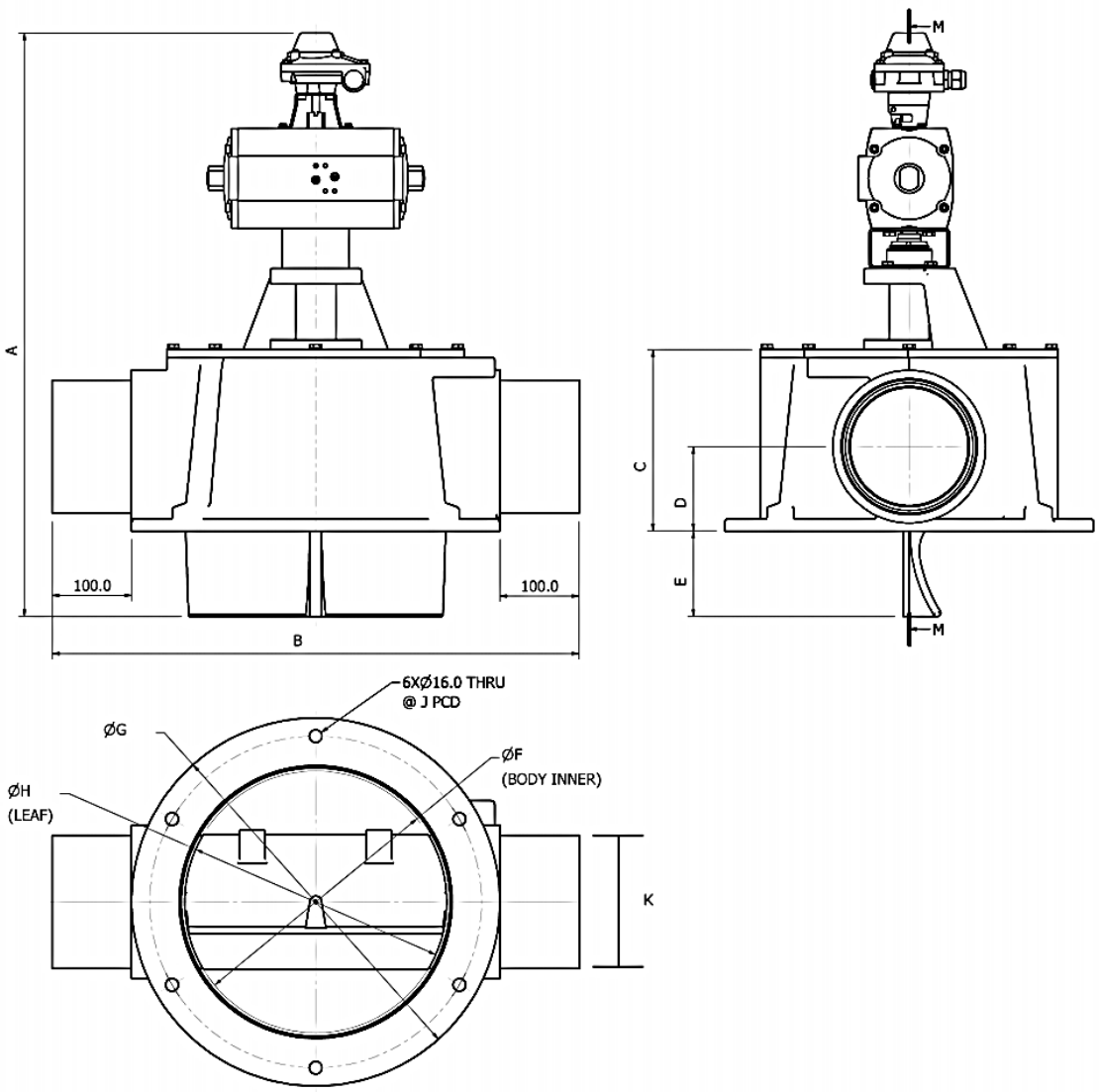
The Scale Valve is principally used to divert bulk solids in the process of being conveyed pneumatically into receiving vessels. This diversion can be used for such things as in-line filling of bulk storage bins, scale hoppers/weigh hoppers or other process hoppers.

In the straight through position the inlet and exit points of the Scale Valve are aligned through the machined bore of a rotating paddle, so that the material passes straight through. When set in the diverting position, the air and the material enter the inlet port to be directed downwards into the receiving vessel by the diversion paddle. Air alone is then able to vent through the outlet.

Actuator Operated Scale Valves are available in 2”, 3”, 4” and 6” sizes.

Complete air controls are provided as standard, including the pneumatic actuator and solenoid with control unit.

Final filtration of residual conveying air can be carried out at a location remote from the receiving vessel.



Valve Size (in)	A	B	C	D	E	F	G	H	J	K
2” & 3”	588	495.5	157	83	73	196	300	195.8	260	50.8/76.2
4”	647	592	176	86	90.5	268	385	267.8	350	101.6
6”	737	665	229	106.6	108	331	465	330.7	465	152.4

NOTE: 1) All dimensions are in millimetres unless noted otherwise

2) Dimensions and technical details are for reference only and are subject to confirmation

3) Information on these pages is subject to change without prior notice

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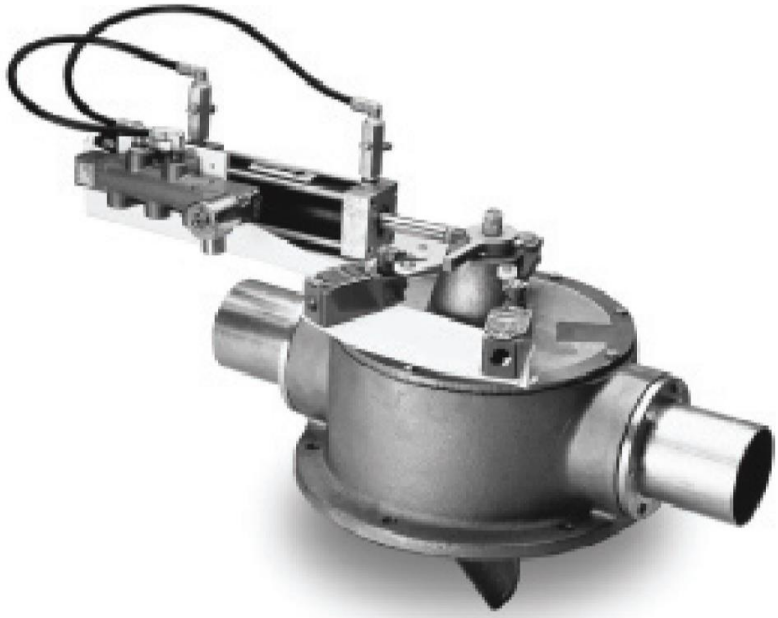
SCALE VALVE – CYLINDER OPERATED TYPE



FEATURES

- Compact design
- Optimal sealing
- Minimal process loss
- Simple construction
- Available with flange or pipe connections
- Available in stainless steel, cast iron and aluminium materials

PRINCIPLE OF OPERATION

The Scale Valve is principally used to divert bulk solids in the process of being conveyed pneumatically into receiving vessels. This diversion can be used for such things as in-line filling of bulk storage bins, scale hoppers/weigh hoppers or other process hoppers.

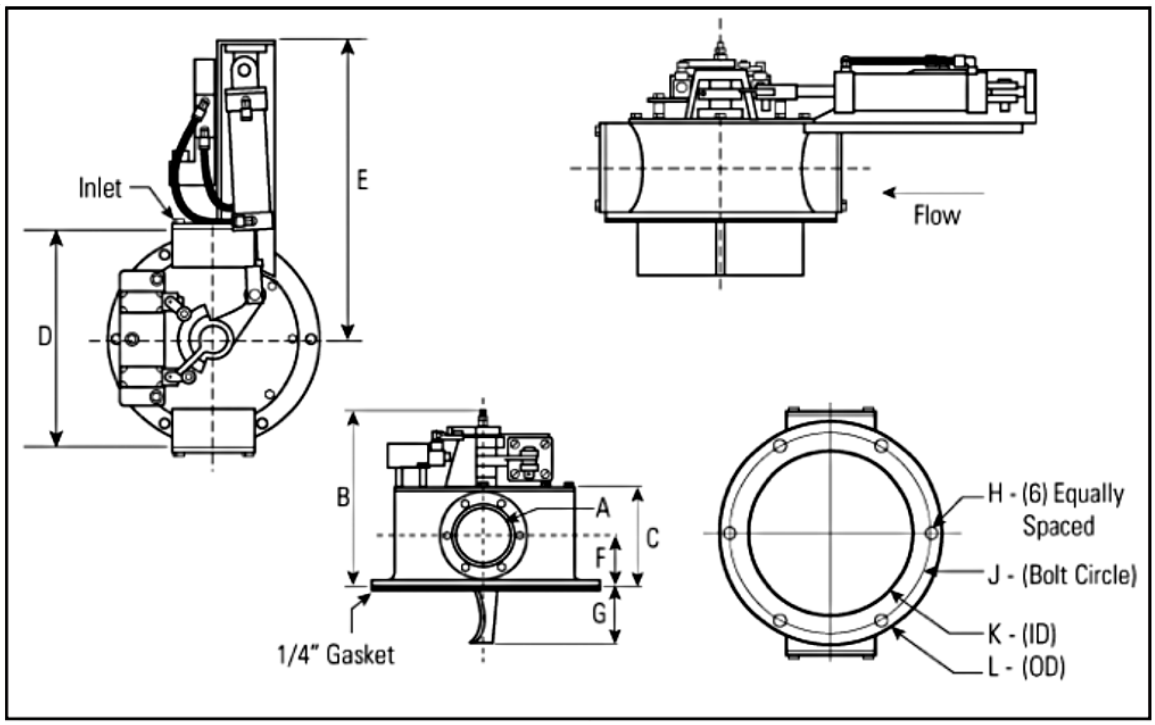
In the straight through position the inlet and exit points of the Scale Valve are aligned through the machined bore of a rotating paddle, so that the material passes straight through. When set in the diverting position, the air and the material enter the inlet port to be directed downwards into the receiving vessel by the diversion paddle. Air alone is then able to vent through the outlet.

Straight Through Position Divert Position

Cylinder Operated Scale Valves are available in 3”, 4”, 5” and 6” sizes.

Complete air controls are provided as standard, including the air cylinder, solenoid and two position indication switches.

Final filtration of residual conveying air can be carried out at a location remote from the receiving vessel.



A	B	C	D	E	F	G	H	J	K*	L
76.2mm tube	260	159	295	483	83	76	13	260	203	298
76.2mm pipe	260	159	295	483	83	76	13	260	203	298
101.6mm tube	311	171	394	533	89	89	16	349	279	387
101.6mm pipe	311	171	394	533	89	89	16	349	279	387
127mm tube	318	197	394	533	92	76	16	349	279	387
127mm pipe	375	229	470	559	108	102	16	419	343	457
152mm tube	375	229	470	559	108	102	16	419	343	457

NOTE: 1) All dimensions are in millimetres

2) *Add 25mm for vessel opening

3) Dimensions and technical details are for reference only and are subject to confirmation

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