

## Stainless Steel Cryogenic Globe Valve DN15 (Ø18x1) and DN25 (Ø28x1)

Manual or pneumatic operated vacuum jacketed cryogenic valve DN25 (Ø28x1) for liquid nitrogen or liquid argon use, maintainable valve and seat, straight (Y) or angled.

### Specifications:

Design Pressure	PN16
Operating Pressure	PN16 (manual drive) PN12 (standard pneumatic drive).
Operating temperature	-196 °C – +65 °C
Opening/closing Cycles	30.000 over lifetime under normal conditions.
Cooling down cycles	10.000 over lifetime
Condensation	Up to 60% RH no moist in static conditions.
Leak tightness	
- Valve to vacuum	< 1x 10 <sup>-9</sup> mbar.l/s
- Process over seat	< 1x 10 <sup>-3</sup> mbar.l/s (equivalent to Rate B ISO-5208)

### Connections:

Weld Ends	DN25: Ø28 x 1,5 DN15: Ø18 x 1,5
Jacket	Ø63,5 x 1,5
Valve Drive	
Manual Drive	Hand wheel Ø100mm
Pneumatic Drive	120 cm <sup>2</sup> , Normally Closed
Air Supply	3-5 bar, 6 bar max. (+5°C-+40°C)
Power supply	230VAC, (24VAC or 24VDC optional); 30VA
Protection type	IP65 (DIN 40050)

### Materials:

Body	1.4301
Stem	1.4301
Gland	CW614N / PTFE
Seal	PTFE (PCTFE optional)
Seat	1.4301
Cone	1.4404
Hand wheel	Aluminium

Valve acc. to PED 97/23/EC.

Solenoid acc. to LVD 06/95/EC

	DN15	DN25
A	Ø18 x 1,5	Ø28 x 1,5
B	32	31
C	88	89
D	350	350
E	395	395
G	560	560
H	605	605
J	Ø63,5 x 1,5	Ø63,5 x 1,5

Clearance for maintenance:

K	260	260
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