

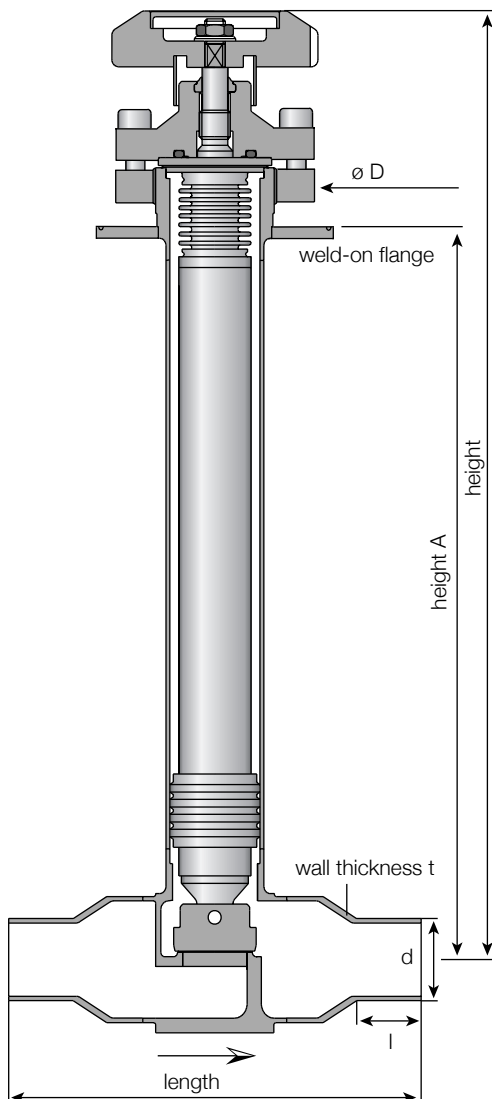
Cryogenic On-Off Valve PN 25/40 manual operation

Bellow in top of housing

General characteristics (identical for all valves of the 1200 series)

Media	N ₂ , O ₂ , H ₂ , Ar, N ₂ O, CO ₂ , other media possible; please always specify media when placing an order	
Specifications	Standard design	Accessories and modifications
Housing material:	ss 1.4404 (AISI 316L) or 1.4571 (AISI 316Ti)	other materials possible, please specify
Seal in seat*:	metal/soft seat (PCTFE) leakage <10 ⁻⁶ mbar x l/sec.	other plastics, metal to metal, special alloys
Spindle seal**:	with bellow and safety O-ring*** (Viton)	other materials (O-Ring) for seal possible, please specify
Sealing to the atmosphere:	with metal seal, leakage: <10 ⁻⁸ mbar x l/sec. helium leak test (vacuum method)	
Connection:	butt welded	other connections possible, please specify
Purity:	free of oil and grease	assembly in clean room; electropolished Ra < 0,4/0,25 μm
Pressure test:	AD 2000-A4	
Certification:	according to EN 10204-3.1 for pressure-bearing parts with media contact	
All 1200-valves are also available in the standard version with an angle or T form.		

*not with filter **not with non-return valve and filter ***with regulating cryovalve UG lip seal (Viton)



DN	Seat ø	Standard connection (d,t,l)	Length	Height	Height A	øD	Order No. PN40
10	15	12,0 x 1,0 x 25	160	385	300	79	14-1200.12.5
15	15	18,0 x 1,5 x 25	160	385	300	79	14-1201.12.7
20	25	23,0 x 1,5 x 25	180	385	300	79	14-1202.12.4
25	25	28,0 x 1,5 x 25	180	385	300	79	14-1203.4.9
32	36	35,0 x 1,5 x 30	230	410	300	102	14-1204.12.4
40	36	44,5 x 2,0 x 35	230	410	300	102	14-1205.12.4
50	45	54,0 x 2,0 x 50	250	420	300	102	14-1206.12.2
DN	Seat ø	Standard connection (d,t,l)	Length	Height	Height A	øD	Order No. PN 25
65	60	70,0 x 2,0 x 50	270	630	500	146	14-1207.12.5
80	75	88,9 x 2,9 x 50	300	650	500	146	14-1208.12.3
100	100	114,0 x 2,9 x 50	350	1000	800	180	14-1209.12.3

up to DN 150 on request

*CE marking acc. to PED 97/23/EG

all length dimensions in mm

Specification
Operating temperature: -196°C to + 50°C (with material 1.4404) AISI 316L -253°C to + 50°C (with material 1.4571) AISI 316Ti
Installation position: actuator at the top stem max. 30° away from the vertical
Optional extras: weld-on flange (please specify diameter) vacuum insulation

Important! When ordering, please specify:
• media and operating temperature

