

Cryogenic On-Off Valve PN45 with check valve function

manually operated (also available with pneumatic actuator)
bellow in bottom of housing

general characteristics (identical for all valves of the “1000/1200” 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:	stainless steel 1.4404 or 1.4571	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 bellows and safety O-ring seal (Viton)	other materials for seal (O-ring) possible, please specify
Sealing to the atmosphere:	with metal seal, leakage: <10 ⁻⁸ mbar x l/sec. helium sealing test (vacuum method)	
Connection:	welded on	other connections possible, please specify
Purity:	free of oil and grease	fitting in clean room; electropolished Ra < 0,4/0,25 μm
Pressure test:	according to TRB 801 No. 45	
Certification:	according to DIN 55350 T.18-4.2.2 (M) or -4.2.1.(O)	according to EN 10204-3.1 pressure-bearing parts with media contact

Specifications

Operating temperature:	-196°C to +50°C (with material 1.4404) -253°C to +50°C (with material 1.4541)
Installation position:	suitable for all installation positions, including head long
Optional extras:	vacuum insulation upon request

DN	Seat ø	Standard connection (d,t,l)	Length	Height	Order No.
10	20	12,0 x 1,0 x 25	150	385	14-800.5.1
15	20	18,0 x 1,5 x 25	150	385	14-801.5.1
20	20	23,0 x 1,5 x 25	150	385	14-802.5.1
25	25	28,0 x 1,5 x 25	160	385	14-803.5.1
*32	36	35,0 x 1,5 x 30	200	410	14-804.5.1
*40	36	44,5 x 2,0 x 35	200	410	14-805.5.1
*50	45	54,0 x 2,0 x 50	230	420	14-806.5.1

*CE marking acc to PED 97/23/EG

all length dimensions in mm

Important! When ordering, please specify:

- media and operating temperature

