

# Cryogenic On-Off Valve Manual operation

Bellow in bottom of housing

**general characteristics (identical for all valves of the “1000/1200” series)**

<b>Media</b>	N <sub>2</sub> , O <sub>2</sub> , H <sub>2</sub> , Ar, N <sub>2</sub> O, CO <sub>2</sub> , other media possible; please <b>always</b> specify media when placing an order	
<b>Specifications</b>	<b>Standard design</b>	<b>Accessories and modifications</b>
Housing material:	stainless steel 1.4404 or 1.4571	other materials possible, please specify
Seal in seat:	metal/soft seat (PCTFE) leakage <10 <sup>-6</sup> 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 <sup>-8</sup> 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

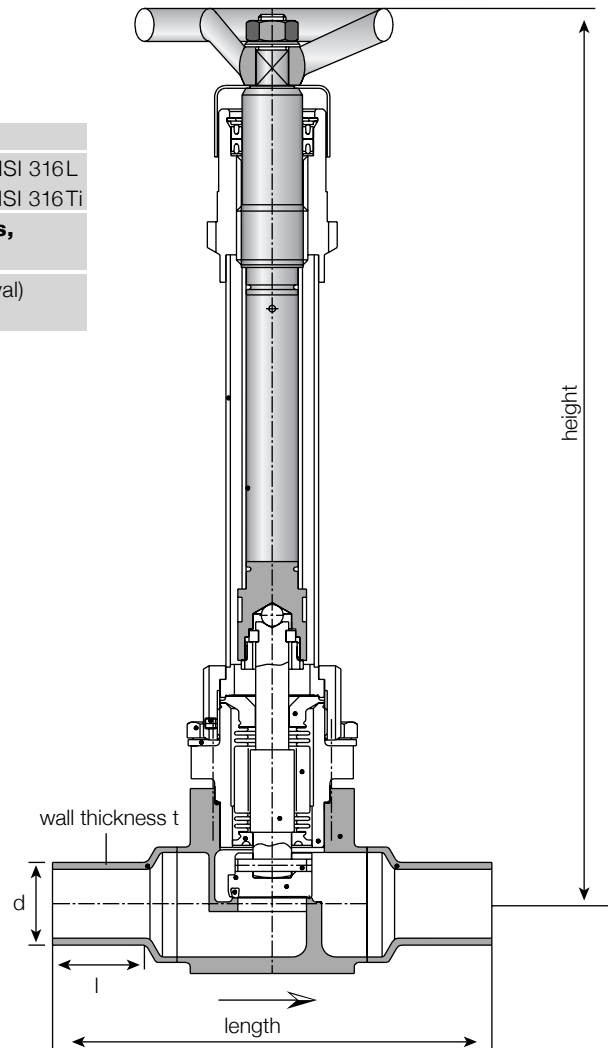
<b>Specifications</b>
Operating temperature: -196°C to +50°C (with material 1.4404) AISI 316L -253°C to +50°C (with material 1.4571) AISI 316Ti
Installation position: <b>suitable for all installation positions, including head long</b>
Optional extras: with check valve function (no type approval) vacuum insulation upon request

DN	Seat	Standard connection (d,t,l)	Length	Height	Order No.
10	20	12,0 x 1,0 x 25	150	330	14-800.5.1Rev.f
15	20	18,0 x 1,5 x 25	150	330	14-801.5.1Rev.f
20	20	23,0 x 1,5 x 25	150	330	14-802.5.1Rev.f
25	25	28,0 x 1,5 x 25	160	330	14-803.5.1Rev.f
*32	36	35,0 x 1,5 x 30	200	360	14-804.5.1Rev.f
*40	36	44,5 x 2,0 x 35	200	360	14-805.5.1Rev.f
*50	45	54,0 x 2,0 x 50	230	370	14-806.5.1Rev.e

\*CE marking acc to PET 97/23/EG

all length dimensions in mm

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



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