

Clean Service , Type 484



## Clean Service

### Type 484

Safety valves from the Clean Service product group were specially developed for the food, beverage, and pharmaceutical industries and meet all the relevant standards and regulations such as DIN 11866 or ASME BPE. With a low deadspace inlet area, the unique LESER HyTight assembly, and the optional pneumatic lifting device you have very good cleanability (CIP, SIP). With a large selection of aseptic connections (threaded, flanged, or clamped) the valve can be optimally fitted to different requirements.

### Approvals



### Industries

- Food and Beverage Industry
- Pharmaceutical Industry
- Chemical Industry
- Petrochemical Industry
- Cosmetic Industry
- Special Processes

### Further Links

 [Clean Service Catalog \[DE\]](#)

 [Instructions \[DE, EN, FR, IT, SP, RU, CN\]](#)

 [Stückliste Type 484 \[DE\]](#)

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## Datasheet

Product info	Metric unit	US unit
Key feature	Small to medium capacity, low dead space ratio through weldable vessel connection	Small to medium capacity, low dead space ratio through weldable vessel connection
Nominal diameter inlet		
Nominal diameter inlet - Thread		
Nominal diameter inlet - Flange		
Nominal diameter outlet	DN 25 - DN 40	1" - 2"
Orifice	D - F	D - F
Pressure		
Actual orifice diameter d0	13 - 25 mm	0,512 - 0.984 in
Actual orifice area A0	133 - 491 mm <sup>2</sup>	0.206 - 0.761 in <sup>2</sup>
Operating limits valve size		
Operating limits pressure class inlet flange		
Pressure	0,1 - 16 bar	1.5 - 232 psig
Flange rating inlet		
Temperature acc. to DIN EN	-45 to +250 °C	-49 to +482 °F
Temperature acc. to ASME		
Body material	1.4435 (BN2)	SA 479 316L
KUB-Materials		
Material outlet		

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Material inlet  
body

Valve connection	Inlet: vessel connection type 5034 for welding into the vessel Outlet: normally welded end connection acc. to ASME DIN 11850, Clamps acc. to ASME BPE / DIN 32676, ISO 2852 or DIN EN ISO 1127, Aseptic clamp acc. to DIN 11864 T1 Series A or B (with nut), DIN 11851 or Neumo Sterile aseptic thread (with nut) Flanged connection acc. to DIN 11864 or Aseptic flange groove or flat face	Inlet: vessel connection type 5034 for welding into the vessel Outlet: normally welded end connection acc. to ASME DIN 11850, Clamps acc. to ASME BPE / DIN 32676, ISO 2852 or DIN EN ISO 1127, Aseptic clamp acc. to DIN 11864 T1 Series A or B (with nut), DIN 11851 or Neumo Sterile aseptic thread (with nut) Flanged connection acc. to DIN 11864 or Aseptic flange groove or flat face
Bellows	EPDM	EPDM
Type of loading	Spring loaded	Spring loaded
Approvals	PED/ DIN EN ISO 4126-1, PED/ AD 2000-Merkblatt A2, ASME Sec. VIII Div. 1, CRN, AQSIQ, EAC	PED/ DIN EN ISO 4126-1, PED/ AD 2000-Merkblatt A2, ASME Sec. VIII Div. 1, CRN, AQSIQ, EAC
Specials	HyTight Assembly Designed and manufactured acc. to: DIN 11866, ASME BPE, EN 1672-2, DIN ISO 14159, USP class VI and FDA 21 CFR	HyTight Assembly Designed and manufactured acc. to: DIN 11866, ASME BPE, EN 1672-2, DIN ISO 14159, USP class VI and FDA 21 CFR

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## Options

Feature		Option Code
Disc	Soft seal "HyTight Assembly" CR „K”	J21
	Soft seal "HyTight Assembly" EPDM „D”	J22 (Standard)
	Soft seal "HyTight Assembly" FFKM „C”	J20
	Soft seal "HyTight Assembly" FKM „L”	J23
	Soft seal "HyTight Assembly" NBR „N”	J30
Bellows	Elastomer bellows EPDM	
Caps and levers	Caps H2	
	Packed lever H4	
	Pneumatic lifting device H8	
	Pneumatic lifting device double piston design H8	J41
Test gag	Test gag for Cap H2	J70
	Test gag for Packed lever H4	J69
Lift indicator	Bonnet	J38J93
Lift stopper		J51
Connections	Clamp connection: DIN 32676, ASME BPE, ISO 2852	diverse
	Threaded connection: DIN 11864, DIN 11851 or Neumo connetion	diverse
	Welded end: DIN 11850	diverse
	Flanged connection: DIN 11864, Flange connetion	diverse
Free of oil and grease	J85	
LESER Surface package	Clean finish	B56
	HyClean finish	B57
	Sterile finish	B58
Special materials	Hastelloy® C4/ 2.4610	
	Monel® 400/ 2.4360	
	Duplex / 1.4462	