

Clean Service , Type 485



Clean Service

Type 485

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 485 \[DE\]](#)

Clean Service , Type 485

Datasheet

Product info	Metric unit	US unit
Key feature	Small to medium capacity, low dead space ratio through weldable integrated pipework connection	Small to medium capacity, low dead space ratio through weldable integrated pipework connection
Nominal diameter inlet		
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 ²	0,206 - 0,761 in ²
Pressure	0,1 - 16 bar	1,5 - 232 psig
Temperature acc. to DIN EN	-45 to +250 °C	-49 to +482 °F
Body material	1.4435 (BN2)	SA 479 316L
KUB-Materials		
Valve connection	Inlet: Integrated pipework connection type 5034 for welding into the pipe with welded connection acc. to ISO 2037, DIN 11850 oder DIN EN ISO 1127 Outlet: 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) or DIN 11851, Neumo Sterile aseptic thread (with nut), Welded end connection acc. to DIN 11850, Flange acc. to DIN 11864 T2 Series A or B or Aseptic or Nut flange, Smooth flange	Inlet: Integrated pipework connection type 5034 for welding into the pipe with welded connection acc. to ISO 2037, DIN 11850 oder DIN EN ISO 1127 Outlet: 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) or DIN 11851, Neumo Sterile aseptic thread (with nut), Welded end connection acc. to DIN 11850, Flange acc. to DIN 11864 T2 Series A or B or Aseptic or Nut flange, Smooth flange
Bellows	EPDM	EPDM
Type of loading	Spring loaded	Spring loaded

Clean Service , Type 485

2000-Merkblatt A2, ASME Sec. VIII Div. 1, CRN, AQSIQ, EAC 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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Clean Service , Type 485

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 made of EPDM	
Caps and levers	Caps H2	
	Packed lever H4	
	Pneumatic lifting device H8	
	Pneumatic lifting device double piston design H8	J41
Test gag	for Cap H2	J70
	for Packed lever H4	J69
Lift indicator	for Bonnet	J38J93
Lift stopper		J51
Connections outlet	Clamp connection: DIN 32676, ASME BPE, ISO 2852	diverse
	Threaded connection: DIN 11864, DIN 11851 oder Neumo-connection	diverse
	Welded end: DIN 11850	diverse
	Flanged connection: DIN 11864, Flange connection	diverse
Free of oil and grease	Free of oil and grease	J85
LESER Surface package	Clean finish	B59
	HyClean finish	B60
	Sterile finish	B61
Special materials	Hastelloy® C4/ 2.4610	
	Monel® 400/ 2.4360	
	Duplex / 1.4462	