

Critical Service , Type 546



Critical Service

Type 546

PTFE-lined safety valves from the Critical Service product group are utilized for highly corrosive media such as chlorine, acids, and lyes. With their highly resistant lining they offer a safe solution for corrosive media.

Approvals



Industries

- Chemical Industry (Chlorine manufacture and processing; Chemical plants and pipelines; Reduced media such as acids or lyes)

Further Links



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



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



[Stückliste Type 546 \[DE\]](#)

Critical Service , Type 546

Datasheet

Product info	Metric unit	US unit
Key feature	Continuous nozzle out of PTFE, rare activation of the safety valves	Continuous nozzle out of PTFE, rare activation of the safety valves
Nominal diameter inlet	DN 25 - DN 100	1" - 4"
Nominal diameter outlet		
Orifice	E - N	E - N
Pressure		
Actual orifice diameter d0	23 - 87 mm	0,91 - 3,43 in
Actual orifice area A0	416 - 5945 mm ²	0,645 - 9,215 in ²
Pressure	0,5 - 10 bar	7,25 - 145 psig
Flange rating inlet	PN 16	CL150
Temperature acc. to DIN EN	-85 to 200 °C	-121 to 392 °F
Temperature acc. to ASME	currently no approvals acc. to ASME Sec. VIII Div. 1	currently no approvals acc. to ASME Sec. VIII Div. 1
Body material	0.7043, 1.0619	Ductile Gr. 60-40-18, SA 216 WCB
KUB-Materials		
Valve connection	Flange acc. to DIN EN 1092-1 ASME B 16.5	Flange acc. to DIN EN 1092-1 ASME B 16.5
Bellows	Stainless steel	Stainless steel
Type of loading	Spring loaded	Spring loaded
Approvals	PED/ DIN EN ISO 4126-1, PED/ AD 2000-Merkblatt A2, AQSIQ, EAC	PED/ DIN EN ISO 4126-1, PED/ AD 2000-Merkblatt A2, AQSIQ, EAC
Specials	aktuell keine Zulassung nach ASME Sec. VIII Div. 1	aktuell keine Zulassung nach ASME Sec. VIII Div. 1

Critical Service , Type 546

Options

Feature		Option Code
Disc	with sealing plate borofloat glass with sealing plate virgin PTFE with sealing plate PTFE - 25 % carbon acc. to customer specification e.g. Hastelloy®	standard
Bellows	Balanced bellows Bellows with special material Hastelloy	J78 (Standard) -
Caps and levers	Caps H2 Packed lever H4	
Spring	heat resistant corrosive resistant 1.4310	X01 X04
Test gag	for cap H2 for lifting device H4	J70 J69
Lift indicator	Lift indicator lifting device H4	J39J93
Lift stopper	Lift stopper	J51
Free of oil and grease		J85
Special materials	Hastelloy® C4/ 2.4610 Monel® 400/ 2.4360 Duplex / 1.4462	