

High Performance , Type 441, 442 XXL



High Performance

Type 441, 442 XXL

Safety valves from the High Performance product group offer especially high capacity for their size. With a large quantity of nominal diameters (DN), pressure ranges and product options, they have proven themselves as a universal safety valve for many applications.

Approvals



Industries

- Chemical Industry
- Petrochemical Industry
- Power
- Technical Gases
- Food and Beverage Industry
- Pharmaceutical Industry

Further Links



[High Performance Catalog 1 \[DE\]](#)



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



[Stückliste Type 441, 442 XXL \[DE\]](#)

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Datasheet

Product info	Metric unit	US unit
Key feature	High nominal diameter	High nominal diameter
Nominal diameter inlet	DN 200 - DN 400	8" - 16"
Nominal diameter outlet		
Pressure		
Actual orifice diameter d0	165 - 295 mm	6,5 - 11,61 in
Actual orifice area A0	21382 - 68349 mm ²	33,143 - 105,942 in ²
Pressure	0,2 - 25 bar	2,9 - 363 psig
Flange rating inlet	PN 16 - PN 25	CL150 - CL300
Temperature acc. to DIN EN	-196 to 550 °C	-321 to 1022 °F
Temperature acc. to ASME	-184 to 427 °C	-300 to 800 °F
Body material	1.0460 / 1.0425, 1.4571	Carbon steel, 316Ti
KUB-Materials		
Valve connection	Flange acc. to DIN EN 1092-1 ASME B 16.5 JIS 2220	Flange acc. to DIN EN 1092-1 ASME B 16.5 JIS 2220
Bellows	Stainless steel and elastomer	Stainless steel and elastomer
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		

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Options

Feature		Option Code
Disc	Metal sealing, with detachable lifting aid	J26 (standard)
	Disc, metal sealing, bull-race	J24
	Disc, metal sealing, 1.4404	L44
	Disc, metal sealing, 1.4404 stellited	J25
	With soft sealing O-ring CR „K”	J21 (on request)
	With soft sealing O-ring NBR „N”	J30 (on request)
	With soft sealing O-ring EPDM „D”	J22 (on request)
	With soft sealing O-ring FKM „L”	J23 (on request)
	With soft sealing O-ring FFKM „C”	J20 (on request)
Seat/nozzle	Stellited seat / sealing surface	L62
Bellows	Balanced bellows with closed bonnet	J78
	Balanced bellows with open bonnet	J68
	Balanced bellows with special material Hastelloy	J81S15
	Balanced bellows with special material INCONEL	J83S15
Caps and levers	Screwed cap H2	
	Screwed packed lever H4	
	Bolted cap H1	
	Bolted lifting device H6	
Spring	Warmfest	X01
	Korrosionsfest 1.4310	X04
	INCONEL X-750	X08 (on request)
Test gag	For cap H2 (H1)	J70
	For lever H4 (H6)	J69
Bonnet	Closed	
	Open	
Heating jacket		on request
Lift indicator	Lift indicator for lifting device H4 (H6)	J39J93
Lift stopper	Ring	J51
	Actuate screw H2	J52
	Actuate screw H4	J50
Drain hole	G1/2"	J19
Butt-weld connection		S05

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NACE material test certificate	Sour gas resistance acc. to NACE MR0175; N78 Certificate acc. to DIN EN 10204-3.1 Sour gas resistance acc. to NACE MR0103; N77 Certificate acc. to DIN EN 10204-3.1	
KUB bursting disc	KUB bursting disc	on request
