

Compact Performance , Type 437



## Compact Performance

### Type 437

The product group Compact Performance includes threaded and flanged safety valves with compact dimensions for economical protection of small and mid-sized capacities. Due to its many orifice diameters, seals, and connections this product group offers a very wide area of application.

#### Approvals



#### Industries

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

#### Further Links

 [Compact Performance Catalog \[DE\]](#)

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

 [Stückliste Type 437 \[DE\]](#)

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**Datasheet**

Product info	Metric unit	US unit
Key feature	Metal to metal or sealing plate	Metal to metal or sealing plate
Nominal diameter inlet		
Nominal diameter inlet - Thread	G 3/8 - 1	NPT 1/2" - 1"
Nominal diameter inlet - Flange	DN 15 - DN 25	1/2" - 1"
Nominal diameter outlet		
Orifice		
Pressure		
Actual orifice diameter d0	6 - 10 mm	0,236 - 0,394 in
Actual orifice area A0	28,3 - 78,5 mm <sup>2</sup>	0,044 - 0,122 in <sup>2</sup>
Pressure	0,1 - 365 bar	1,5 - 5294 psig
Flange rating inlet	PN 40 - PN 400	CL150 - CL2500
Temperature acc. to DIN EN	-270 to 280 °C	-454 to 536 °F
Temperature acc. to ASME	-268 to 280 °C	-450 to 536 °F
KUB-Materials		
Material outlet body	1.4104, 1.4404	SA 479 430, SA 479 316L
Material inlet body	1.4104, 1.4404, 1.4404 stellitiert	SA 479 430, SA 479 316L, SA 479 316L stellitiert
Valve connection	Thread acc. to DIN ISO 228-1, DIN ISO 7-1 / BS 21 or ASME B1.20.1 Flange acc. to DIN EN 1092-1 or ASME B16.5	Thread acc. to DIN ISO 228-1, DIN ISO 7-1 / BS 21 or ASME B1.20.1 Flange acc. to DIN EN 1092-1 or ANSI/ASME B16.5
Bellows	no bellows	no bellows
Type of loading	Spring loaded	Spring loaded
Approvals	PED/ DIN EN ISO 4126-1, AD 2000-Merkblatt A2, ASME Sec. VIII Div. 1, CRN, AQSIQ, EAC	PED/ DIN EN ISO 4126-1, AD 2000-Merkblatt A2, ASME Sec. VIII Div. 1, CRN, AQSIQ, EAC
Specials		

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### Options

Feature		Option Code
Disc	metal sealing, 1.4404 (option only for 4373 with d010, for others as a standard)	L44
	metal sealing, 1.4404 stellite	J25
	soft sealing plate VESPEL-SP „T”	J49
	soft sealing plate PCTFE „G”	J48
	soft sealing plate PTFE-FDA „A”	J44
Inlet body	Stellite sealing surface/ inlet body	L20
Caps and levers	Screwed cap H2	
	Screwed plain lever H3	
	Screwed packed lever H4	
Spring	heat resistant	X01
	corrosive resistant 1.4310	X04
	INCONEL X-750	X08
Test gag	for Cap H2	J70
Heating jacket		H29
Connections	Threaded connection: G, R/BSPT, NPT (combinations on request or in catalog)	diverse
	Flange connection: DIN, ASME (combinations on request or in catalog)	diverse
Free of oil and grease		J85
NACE material test certificate	Sour gas resistance acc. to NACE MR0175; Certificate acc. to DIN EN 10204-3.1	N78
	Sour gas resistance acc. to NACE MR0103; Certificate acc. to DIN EN 10204-3.1	N77
KUB bursting disc		
Special materials	Hastelloy® C4/ 2.4610	
	Monel® 400/ 2.4360	
	Duplex/ 1.4462	