

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 midsize 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



[Katalog Compact Performance Kurzversion \[DE\]](#)



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



[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" |
| Orifice | | |
| Pressure | | |
| Actual orifice diameter d0 | 6 - 10 mm | 0,236 - 0,394 in |
| Actual orifice area A0 | 28,3 - 78,5 mm² | 0,044 - 0,122 in² |
| 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 |
| Material outlet body | 1.4104, 1.4404 | SA 479 430, SA 479 316L |
| Material inlet body | 1.4104, 1.4404, 1.4404 stellitert | SA 479 430, SA 479 316L, SA 479 316L stellitert |
| 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 |

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Sec. VIII Div. 1, CRN, AQSIQ, TR/ RTN, GOST-K,
GOSPROMNADZOR

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Specials

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Options

| Feature | | Option Code |
|--------------------------------|--|-------------|
| Disc | metal sealing, 1.4404 | L44 |
| | metal sealing, 1.4404 stellited | J25 |
| | soft sealing plate VESPEL-SP „T“ | J49 |
| | soft sealing plate PCTFE „G“ | J48 |
| | soft sealing plate PTFE-FDA „A“ | J44 |
| Inlet body | Stellited 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, JIS (combinations on request or in catalog) | diverse |
| Free of oil and grease | | J85 |
| NACE material test certificate | DIN EN 10204-3.1 | N78 |
| KUB bursting disc | KUB bursting disc | |
| Special materials | Hastelloy® C4/ 2.4610 | |
| | Monel® 400/ 2.4360 | |
| | Duplex/ 1.4462 | |