

High Performance , Type 444 ANSI

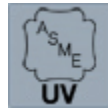


## High Performance

### Type 444 ANSI

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 444 ANSI \[DE\]](#)

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## Datasheet

| Product info               | Metric unit   | US unit   |
|----------------------------|---|---|
| Key feature                | Deep-drawn body   | Deep-drawn body   |
| Nominal diameter inlet     | DN 25 - DN 80   | 1" - 3"   |
| Nominal diameter outlet    |   |   |
| Pressure                   |   |   |
| Actual orifice diameter d0 | 23 - 74 mm  | 0,91 - 2,91 in  |
| Actual orifice area A0     | 416 - 4301 mm <sup>2</sup>  | 0,644 - 6,666 in <sup>2</sup>   |
| Pressure                   | 0,1 - 16 bar  | 1,5 - 232 psig  |
| Flange rating inlet        | CL150   | CL150   |
| Temperature acc. to DIN EN | -45 to 200 °C   | -49 to 392 °F   |
| Temperature acc. to ASME   | -45 to 200 °C   | -49 to 392 °F   |
| Body material              | 1.4404  | SA 479 316L   |
| KUB-Materials              |   |   |
| Valve connection           | Flange acc. to ASME B 16.5<br>JIS 2220  | Flange acc. to ASME B 16.5<br>JIS 2220  |
| Bellows                    | No bellows  | No bellows  |
| 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)   |
|                                | Metal sealing, bull-race                   | J24              |
|                                | Metal sealing, 1.4404                      | L44              |
|                                | Metal sealing, 1.4404 stellited            | J25              |
| Caps and levers                | Screwed cap H2                             |                  |
|                                | Screwed packed lever H4                    |                  |
| Spring                         | Spring, heat resistant                     | X01              |
|                                | Spring, corrosive resistant 1.4310         | X04              |
|                                | Spring, INCONEL X-750                      | X08 (on request) |
| Test gag                       | For cap H2 (H1)                            | J70              |
|                                | For lever H4 (H6)                          | J69              |
| Bonnet                         | Closed                                     |                  |
| Lift indicator                 | For lifting device H4 (H6)                 | J39J93           |
|                                | For bonnet                                 | J38J93           |
| Lift stopper                   | Ring                                       | J51              |
|                                | Actuate screw H2                           | J52              |
|                                | Actuate screw H4                           | J50              |
| Free of oil and grease         |  | J85              |
| 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              |  |                  |