

# SAFETY VALVE



Designed and made as  
per  
**GERMAN** Standard

## SAFETY VALVE

The safety valve is a precision-engineered safety device designed to protect pressurized systems across various industries, including steam, hot oil, natural gas, and hot and cold water systems.

### Technical Specifications

**Design standard:** 3320

**Face to face dimension:** 3202

**Flanged ends:** 2543-2545

**Test & inspection:** 3230

**Connections:** Screwed (BSP, NPT) Flanged (DIN, ASME)

Contact us for custom connection types



### Advantages

- Enhances operational safety by automatically relieving excess pressure.
- Reduces downtime by preventing equipment damage due to overpressure.
- Easy to install and maintain, saving time and reducing maintenance costs.
- Improves system efficiency and reliability by ensuring compliance with safety standards.



## SAFETY VALVE

### Structural Features

| Model               | 35.901/902/91/912     | 55.901/911             |
|---------------------|-----------------------|------------------------|
| Nominal pressure    | PN40/16               | PN40/16                |
| Body material       | Carbon Steel 1.0619+N | Stainless steel 1.4408 |
| Nominal diameter    | DN20/32~DN150/20      | DN20/32~DN100/150      |
| Working temperature | -10°C~450°C           | -60°C~400°C            |

### Sizes

| DN                          | 20 32 | 25 40 | 32 50 | 40 65 | 50 80 | 65 100 | 80 125 | 100 125 | 125 200 | 150 250 |
|-----------------------------|-------|-------|-------|-------|-------|--------|--------|---------|---------|---------|
| d0(mm) Throughflow aperture | 18    | 22    | 29    | 36    | 45    | 58     | 72     | 80      | 100     | 125     |
| A0(mm) Throughflow area     | 254   | 398   | 661   | 1018  | 1590  | 2688   | 4072   | 6362    | 8825    | 12266   |
| Weight(Kg)                  | 8.5   | 10    | 14    | 20    | 28    | 40     | 53     | 80      | 125     | 165     |

| DN x DN1 |      | 20 x 32 | 25 x 40 | 32 x 50 | 40 x 65 | 50 x 80 | 65 x 100 | 80 x 125 | 100 x 150 | 125 x 200 | 150 x 250 |
|----------|------|---------|---------|---------|---------|---------|----------|----------|-----------|-----------|-----------|
| D        | PN16 | 105     | 115     | 140     | 150     | 165     | 185      | 200      | 220       | 250       | 285       |
|          | PN40 |         |         |         |         |         |          |          | 235       | 220       | 300       |
| K        | PN16 | 75      | 85      | 100     | 110     | 125     | 145      | 160      | 180       | 210       | 240       |
|          | PN40 |         |         |         |         |         |          |          | 190       | 220       | 250       |
| b        |      | 20      | 20      | 20      | 21      | 22      | 24       | 26       | 28        | 31        | 34        |
| D1       | PN16 | 140     | 150     | 165     | 185     | 200     | 220      | 250      | 285       | 340       | 405       |
| K1       |      | 100     | 110     | 125     | 145     | 160     | 180      | 210      | 240       | 295       | 355       |
| b1       |      | 19      | 19      | 20      | 20      | 20      | 20       | 22       | 22        | 27        | 29        |
| L        |      | 85      | 100     | 110     | 115     | 120     | 140      | 160      | 180       | 200       | 220       |
| L1       |      | 95      | 105     | 115     | 140     | 150     | 170      | 195      | 220       | 250       | 285       |
| =H       |      | 298     | 311     | 315     | 355     | 405     | 555      | 580      | 690       | 845       | 890       |

Please provide the following information when ordering:

1. Operating pressure, back pressure
2. Operating temperature
3. Type of connection
4. Flow
5. Size

- Please ask the manufacturer for special sizes and condensate flows.

## Contact Us


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