

# SAFETY VALVE CAST IRON FLANGED FULL-LIFT DIN

Материал cast iron EN-JL1040; DIN GG25

Налягане PN 16-40

Размер DN 20 - 200

## APPLICATION

Steam and gases; saturated steam boilers, over heaters and reheaters, gas storage tanks, compressed air treatment and storage installations. Liquids; thermal fluid boilers, installations with large mass flows and chemical reactions with exothermal processes.

## OPERATION

Automatic pressure releasing valve which opens instantly and totally to sudden overpressure. Maximum discharge immediately at defined set pressure. Fully open at set pressure +5%.

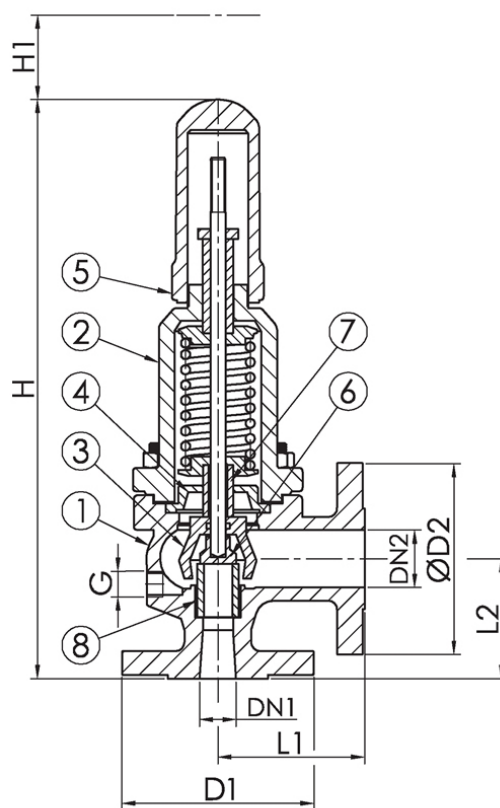
When ordering a safety valve please let us know your requirements regarding capacity, media, temperature, inlet dimension and type of system.

## MEDIA

Steam. Thermal oil. Fuel oil, lubricating oil and flammable hydraulic oil. Cargo oil. Air. Gas. Non-flammable hydraulic fluid. Boiler feedwater, condensate. Seawater and freshwater.

## OPTIONS

Lever. Gear. Actuators.



| No. | Part                        | Material                         |
|-----|-----------------------------|----------------------------------|
| 1   | Body                        | Cast Iron EN-JL1040              |
| 2   | Closed bell                 | Ductile iron EN-JS1030 (GGG40)   |
| 3.1 | Elevator DN25x40 to 200x300 | Ductile iron EN-JS1030 (GGG40)   |
| 3.2 | Elevator DN 20x32           | Stainless steel 1.4408 (AISI316) |
| 4   | Lead                        | Stainless steel 1.4028 (AISI420) |
| 5   | Hood                        | Ductile iron EN-JS1030 (GGG40)   |
| 6   | Plug                        | Stainless steel 1.4028 (AISI420) |
| 7   | Separator                   | Stainless steel 1.4028 (AISI420) |
| 8   | Seat                        | Stainless steel 1.4028 (AISI420) |

| Specifications     |           |
|--------------------|-----------|
| Building standards | DIN       |
| Flange standard    | EN 1092-2 |

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Размер DN 20 - 200

| Specifications    |         |
|-------------------|---------|
| Bonnet connection | Bolted  |
| Execution         | Angled  |
| Connection type   | Flanged |

| Max. working pressure (bar) at °c |       |       |       |       |       |       |       |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Temp °c                           | 120°c | 200°c | 250°c | 300°c | 350°c | 400°c | 450°c |
| Bar                               | 40    | 35    | 32    | 28    | 24    | 21    | 20    |

| Flange inlet   | Flange outlet  | G    | D1  | D2  | L1  | L2  | H    | H1  | Weight (kg) |
|----------------|----------------|------|-----|-----|-----|-----|------|-----|-------------|
| DN 20 / PN 40  | DN 32 / PN 40  | 1/4" | 105 | 140 | 85  | 95  | 350  | 112 | 8.1         |
| DN 25 / PN 40  | DN 40 / PN 40  | 1/4" | 115 | 150 | 95  | 105 | 395  | 129 | 10          |
| DN 32 / PN 40  | DN 50 / PN 40  | 1/4" | 140 | 165 | 100 | 110 | 415  | 129 | 14          |
| DN 40 / PN 40  | DN 65 / PN 40  | 1/4" | 150 | 185 | 115 | 130 | 500  | 148 | 20          |
| DN 50 / PN 40  | DN 80 / PN 40  | 1/4" | 165 | 200 | 125 | 145 | 555  | 148 | 27          |
| DN 65 / PN 40  | DN 100 / PN 16 | 3/8" | 185 | 220 | 140 | 150 | 660  | 191 | 39          |
| DN 80 / PN 40  | DN 125 / PN 16 | 3/8" | 200 | 250 | 155 | 170 | 710  | 191 | 56          |
| DN 100 / PN 16 | DN 150 / PN 16 | 3/8" | 235 | 285 | 175 | 180 | 810  | 191 | 83          |
| DN 125 / PN 16 | DN 200 / PN 16 | 1/2" | 270 | 340 | 215 | 220 | 858  | 191 | 103         |
| DN 150 / PN 16 | DN 250 / PN 10 | 1/2" | 300 | 395 | 225 | 245 | 1029 | 247 | 149         |
| DN 200 / PN 16 | DN 300 / PN 10 | 1/2" | 360 | 445 | 265 | 290 | 1252 | 331 | 244         |