

SAFETY VALVE BRONZE PROPORTIONAL THREADED HEROSE 06370

Материал bronze CC491K B 62 UNS C83600
 Налягане PN 25
 Размер DN 12 - 2

DESCRIPTIONS

Overflow Valve, angle type, bronze, not type tested with soft valve seal, closed bonnet, In- and Outlet: female thread type G (BSPP) acc. to ISO 228/1

APPLICATION

Provided as overflow valve for protection against excessive pressure in pipe systems and pressure vessels, which are not subject to approval.

OPERATION

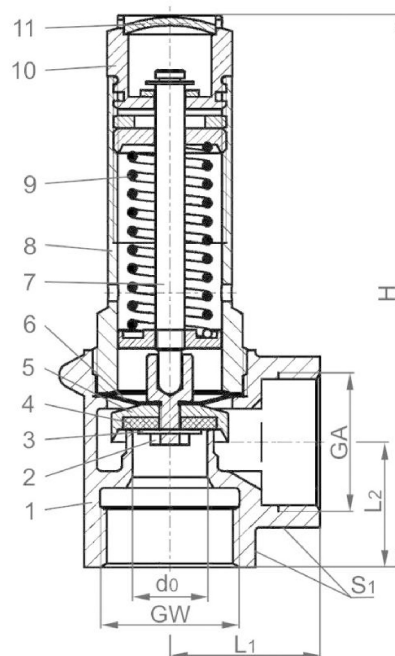
Automatic pressure releasing valve which opens proportionally to the pressure increase. Constant balance between opening pressure and spring force gives small flow and minimal fluid loss on discharge.

MEDIA

Liquids, Gases

OPTIONS

- Available options - on request only:
- stainless steel spring - material 1.4571
 - external parts nickel plated



| No. | Part | Material |
|-----|----------------|---------------------------------------|
| 1 | Body | DIN - CC491K / ASTM - B 62 UNS C83600 |
| 2 | Disc nut | CW614N / ASTM - B 249 UNS C38500 |
| 3 | Plate | CW507L / ASTM - B 36 UNS C26800 |
| 4 | Valve seal | NBR or FPM |
| 5 | Disc | CW614N / ASTM - B 249 UNS C38500 |
| 6 | Diaphragm | NBR |
| 7 | Stem | CW614N / ASTM - B 249 UNS C38500 |
| 8 | Bonnet | CW614N / ASTM - B 249 UNS C38500 |
| 9 | Spring | 1.1200 / ASTM - A 227 |
| 10 | Lifting device | CW614N / ASTM - B 249 UNS C38500 |
| 11 | Cap | CW507L / ASTM - B 36 UNS C26800 |

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| Specifications | |
|---|---------------|
| Bonnet connection | Screwed |
| Execution | Angle |
| Connection type | Threaded male |
| Operation | Automatic |
| Working temperature with NBR valve seal | |
| -10°C / +14°F (263K) up to +110°C / +230°F (383K) | |
| Working temperature with FPM valve seal | |
| -10°C / +14°F (263K) up to +165°C / +329°F (438K) | |

| Dn | Oriface | Dim.code | Range | Outlet | Height | Height | Lenght | Spanner | Weight |
|--------|----------------|----------|--------|--------|--------|----------------|----------------|----------------|--------|
| Gw | D _o | .x. | Bar | Ga | H | L ₁ | L ₂ | S ₁ | Kg |
| 1/2" | 12 | 0400 | 0.5-25 | 1/2" | 90 | 25 | 20 | 27 | 0.21 |
| 3/4" | 15 | 0600 | 0.2-20 | 3/4" | 110 | 30 | 25 | 32 | 0.36 |
| 1" | 18 | 1000 | 0.5-16 | 1" | 130 | 36 | 30 | 41 | 0.65 |
| 1 1/4" | 20 | 1200 | 0.5-16 | 1 1/4" | 150 | 40 | 35 | 50 | 0.95 |
| 1 1/2" | 24 | 1400 | 0.2-16 | 1 1/2" | 170 | 48 | 40 | 58 | 1.5 |
| 2" | 28 | 2000 | 0.2-16 | 2" | 195 | 56 | 48 | 70 | 2.25 |

| Discharge capacity | | | | | | | |
|--------------------|------------------------------------|------------------------|-------|-------|-------|-------|-------|
| P (set.) | Gw: | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 |
| Bar (g) | D _o (mm): | 12.0 | 15.0 | 18.0 | 20.0 | 24.0 | 28.0 |
| | A _o (mm ²): | 113.1 | 176.7 | 254.5 | 314.2 | 452.4 | 615.8 |
| | Media: | Water in kg/h at 20 °c | | | | | |
| 1.0 | | 1207 | 2359 | 4212 | 6542 | 10146 | 12494 |
| 2.0 | | 1708 | 3336 | 5957 | 9252 | 14348 | 17670 |
| 3.0 | | 2092 | 4086 | 7296 | 11332 | 17573 | 21641 |
| 4.0 | | 2415 | 4718 | 8424 | 13085 | 20292 | 24989 |
| 5.0 | | 2700 | 5275 | 9419 | 14629 | 22687 | 27938 |
| 6.0 | | 2958 | 5778 | 10318 | 16025 | 24852 | 30605 |
| 7.0 | | 3195 | 6241 | 11145 | 17310 | 26843 | 33057 |
| 8.0 | | 3416 | 6672 | 11914 | 18505 | 28697 | 35340 |
| 9.0 | | 3623 | 7077 | 12637 | 19627 | 30438 | 37483 |

**SAFETY VALVE BRONZE PROPORTIONAL
THREADED HEROSE 06370**

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| Discharge capacity | | | | | | | |
|---|------------------------------------|------------------------|-------|-------|-------|-------|-------|
| P (set.) | Gw: | 1/2 | 3/4 | 1 | 1-1/4 | 1-1/2 | 2 |
| Bar (g) | D _o (mm): | 12.0 | 15.0 | 18.0 | 20.0 | 24.0 | 28.0 |
| | A _o (mm ²): | 113.1 | 176.7 | 254.5 | 314.2 | 452.4 | 615.8 |
| | Media: | Water in kg/h at 20 °c | | | | | |
| 10.0 | | 3819 | 7460 | 13320 | 20689 | 32084 | 39511 |
| 12.0 | | 4184 | 8172 | 14592 | 22664 | 35146 | 43282 |
| 14.0 | | 4519 | 8826 | 15761 | 24480 | 37962 | 46750 |
| 16.0 | | 4831 | 9436 | 16849 | 26170 | 40584 | 49978 |
| Discharge capacity is measured at fully open valve. | | | | | | | |