

# LGS® HI-FLOW Safety Relief Valves

Seetru Limited

for liquid

hot water

compressed air & gas

steam

## LGS® HI-FLOW

Safety valves made from Brass <  
Enclosed discharge with threaded connections <

### Example Applications

- Hot water, including boilers (vented and unvented)
- Steam boilers and steam plants
- Pump and thermal relief
- Bypass relief
- Process liquids and gases
- Pressure vessels and lines
- Heating and cooling systems
- Heat exchangers and industrial cooling systems
- Refrigeration systems
- Pressure booster systems
- Solar power systems
- District heating systems



### Specifications

- Size range: DN15 to DN50 (½" BSP to 2" BSP)
- Temperature: -60°C to +200°C  
(with PTFE seals (EPDM -45°C to +140°C)
- Pressure range: 0.2 to 24 bar (depending on seal and duty)

### Materials of Construction

|    | COMPONENT         | MATERIAL                           |
|----|-------------------|------------------------------------|
| 1  | Seat              | Dezincification Resistant Material |
| 2  | Lift Aid Assembly | Dezincification Resistant Material |
| 3  | Body              | Bronze CC491K / C83600             |
| 4  | Piston            | Dezincification Resistant Material |
| 5  | Spring            | Steel 1.4401                       |
| 6  | Adjuster          | Brass                              |
| 7  | Cap               | Brass                              |
| 8  | Cover             | Brass                              |
| 9  | Lever             | Brass                              |
| 10 | Wire Lock         | Steel & Lead                       |
| 11 | O-Ring            | EPDM                               |
| 12 | Locking Slug      | Nylon                              |
| 13 | Spindle           | Stainless Steel                    |
| 14 | Seal              | PTFE or EPDM                       |

### Dimensions

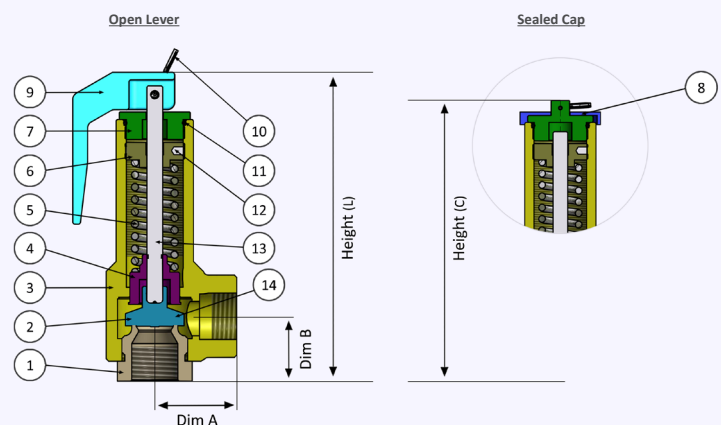
| Size<br>(Inlet x Outlet)  | Dim A<br>mm (inches) | Dim B<br>mm (inches) | Height (L)<br>mm (inches) | Height (C)<br>mm (inches) |
|---------------------------|----------------------|----------------------|---------------------------|---------------------------|
| DN15 (½" x DN20 (¾"))     | 37.0 (1.46)          | 32.0 (1.26)          | 130.0 (5.12)              | 120.5 (4.74)              |
| DN20 (¾" x DN25 (1"))     | 42.0 (1.65)          | 37.0 (1.46)          | 156.0 (6.14)              | 146.5 (5.77)              |
| DN25 (1" x DN32 (1 ¼"))   | 50.0 (1.97)          | 42.0 (1.65)          | 174.0 (6.85)              | 164.5 (6.48)              |
| DN32 (1 ¼" x DN40 (1 ½")) | 59.0 (2.32)          | 50.0 (1.97)          | 222.5 (8.76)              | 211.5 (8.33)              |
| DN40 (1 ½" x DN50 (2"))   | 69.0 (2.72)          | 59.0 (2.32)          | 256.5 (9.70)              | 246.5 (9.70)              |
| DN50 (2" x DN65 (2 ½"))   | 78 (3.07)            | 83.5 (3.28)          | 320.0 (12.60)             | 310 (12.20)               |

### Approvals

- Designed in accordance with BS EN ISO-4126-1 & -7
- PED 2014/68/EU (CE)
- PE(S)R UK SI 2016 No. 1105 (UKCA)
- WRAS
- KUKReg 4

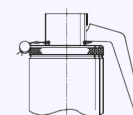


### Valve Drawing



### Easing Gear / Lifting Gear Options

- Options:



Unsealed lever (not gas tight)



Sealed Cap (gas tight cap)

