

Type 63608

Safety valves with brass body and plastic outlet <
Enclosed discharge valve with threaded connections <

Example Applications

- Air / gas compressors
- Pressure vessels
- Pneumatic systems
- Medical gases (non-flammable)
- Technical gases (non-flammable)



Specifications

- Inlet connections: 1/4" to 1/2"
- Temperature: -40°C to +200°C (depending on seal material)
- Pressure range: 0.3 to 13.2 bar

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)



Materials of Construction

| Component | Material | Grade |
|----------------|-----------------|------------------|
| Inlet Body | Brass | CW602N |
| Outlet Body | PPS Plastic | 40% glass filled |
| Internal parts | Brass | CW602N |
| Spring | Stainless Steel | 1.4310 (302) |

Seal Materials

| Seal Material | Temperature Range |
|---------------|-------------------|
| Viton® (FKM) | -15°C to +200°C |
| Nitrile (NBR) | -40°C to +120°C |

Standard seal materials shown, others are available.

Easing Gear / Lifting Gear Options

- Standard option – Rota-lift cap, twist type

Technical information by bore size



| Bore size | 7.9mm (63608) | | |
|--|---|------|------|
| Inlet Size | 1/4" | 3/8" | 1/2" |
| Outlet Size | 3/8" | | |
| Flow Area | 49.02mm ² | | |
| H - Height (Rota-lift cap version) | 57mm | | |
| TÜV alloted outflow coefficient | 0.68 | | |
| Weight (approximate) Kg | 0.5 | | |
| Set Pressure range - PED (CE) bar | 0.3 to 13.2 | | |
| Relieving pressure/fully open pressure | Set pressure +10% (Below 1 bar = 0.1 bar) | | |
| Reseating pressure | Set pressure-10% (0.3 bar minimum) | | |

Maximum permissible built up back pressure = 10% of set pressure at or below which flow is not reduced.
Stable operation on flows down to 50% of valve rated capacity.

Standard Thread Connection Types

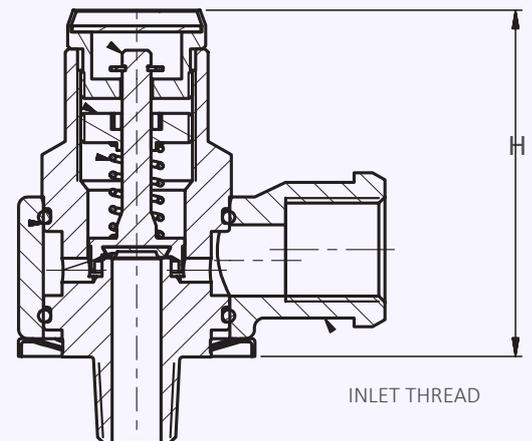


- BSP Parallel male thread
- BSP Taper male thread
- NPT male thread

Standard OUTLET Thread Connection Types

- BSP Parallel female thread

Valve Drawing



Valve Selection Guide



| Approval Required | Valve type | Inlet Size | Inlet Thread Type | Outlet Thread Type | Easing Gear | Seal Material |
|-------------------|------------|------------------------------------|--------------------------|---------------------------|--------------------------------|---------------|
| PED (CE) | 63608 | Select inlet size from above table | Select Inlet thread type | Select Outlet thread type | Select easing gear/top fitting | Viton® (FKM) |
| | | | | | | Nitrile (NBR) |
| | | | | | | Other |

EAC marking available upon request

***Please send your selected details to Seetru and we can provide the full ordering code, price and lead-time.**

Example of Valve Selection Process



| | | | | | | | | |
|-------------------|----------|------------|------------|-------------------|--------------------|-------------|-------|--------------|
| Example Selection | CE/PED | 63608 | 1/2" | BSP Taper | BSP parallel | Rota-lift | Viton | 10.5 bar |
| | Approval | Valve Type | Inlet Size | Inlet Thread Type | Outlet Thread Type | Easing Gear | Seal | Set Pressure |

Capacity Table - In accordance with TÜV, AIR at 0°C and 1013mbar. Normal m³/hour
 Type 63608: Flow rates at 10% above the set pressure



| Set Pressure  | | Bore Size (D0) | | | |
|--|-------|-----------------------|--|--|--|
| | | 7.9mm | | | |
| bar | psi | Nm ³ /Hour | | | |
| 0.3 | 4.35 | 29.4 | | | |
| 0.8 | 11.6 | 43.4 | | | |
| 1.4 | 20.3 | 57.9 | | | |
| 2 | 29 | 72.9 | | | |
| 3 | 43.5 | 97.9 | | | |
| 4 | 58 | 122.9 | | | |
| 5 | 72.50 | 147.9 | | | |
| 6 | 87 | 172.9 | | | |
| 7 | 101.5 | 197.3 | | | |
| 8 | 116 | 222.8 | | | |
| 9 | 130.5 | 247.7 | | | |
| 10 | 145 | 272.7 | | | |
| 13.2 | 191.4 | 352.7 | | | |
| | | | | | |
| | | | | | |
| | | | | | |

For any intermediate pressures/flows please contact Seetru