

Atmospheric Discharge Safety Relief Valves

Seetru Limited

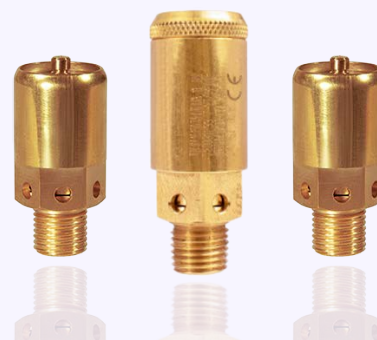
for compressed air or gases

Type 73008

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

Example Applications

- Compressors
- Pressure vessels
- Pneumatic systems
- Transport and railway systems



Specifications

- Inlet connections: 1/4" to 1/2"
- Temperature: -40°C to +200°C (depending on seal material)
- Pressure range: 0.27 to 17.5 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)

CE UK EAC

Materials of Construction

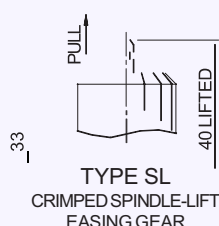
Component	Material	Grade
Body	Brass	BS2874 CZ121
Internal Parts	Brass	BS2874 CZ122
Spring	Stainless Steel	BS2056 302S26

Seal Materials

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

Easing Gear / Lifting Gear Options

- **Standard option** – Rota-lift cap, twist type
- **Other option** - Spindle lift



TYPE SL
CRIMPED SPINDLE-LIFT
EASING GEAR

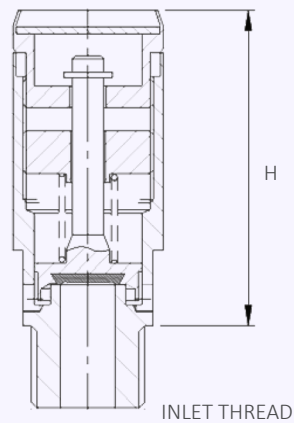
Technical information by bore size



Bore size	7.9mm		
Inlet Size	1/4"	3/8"	1/2"
Flow Area	49mm ²		
H - Height (Rota-lift cap)	46mm		
TÜV allotted outflow coefficient 1	0.66		
Weight (approximate) Kg	0.15		
Set Pressure range - PED (CE) bar	0.27 to 17.5		
Relieving pressure/fully open pressure	Set Pressure +10% (0.1 bar below 1.0 bar)		
Reseating pressure	Set pressure -10% (0.3 bar below 3.0 bar)		

1 TÜV allotted outflow coefficients for pressures above 3.0 bar, for lower pressures please see the flow rate tables or contact Seetru.

Valves with Rota-lift Easing Gear



Standard Thread Connection Types



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

Valve Selection Guide



Approval Required	Valve type	Select Bore	Inlet Size	Thread Type	Easing Gear	Seal Material
PED (CE)	73008	8mm	Select inlet size from above table	Select thread type	Select easing gear (rota-lift is the standard option)	Viton®
						Nitrile

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	73008	8	1/4"	BSP Taper	Rota-lift	Viton	8.5 bar
	Approval	Valve Type	Bore = 8mm	Inlet Size	Thread Type	Easing Gear	Seal	Set Pressure

Capacity Table - In accordance with TÜV, AIR at 0°C and 1013mbar. Normal m³/hour
Type 73008: Flow rates at 10% above the set pressure



Set Pressure 		Bore Size (D0)				
		7.9mm				
bar	psi	Nm³/Hour				
0.27	3.915	27.5				
0.5	7.25	34.7				
1	14.5	46.6				
1.5	21.75	58.7				
2	29	70.8				
3	43.5	95.0				
4	58	119.3				
5	72.5	143.5				
6	87	167.7				
7	101.5	192.0				
8	116	216.2				
9	130.5	240.4				
10	145	264.7				
11	159.5	288.9				
12	174	313.2				
15	217.5	385.9				
17.5	253.75	446.5				