

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)
- EAC



### Materials of Construction

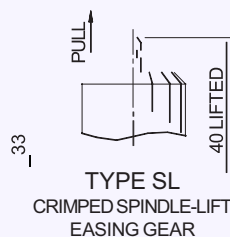
Component	Material	Grade
Body	Brass	BS2874 CZ121
Internal Parts	Brass	BS2874 CZ122
Spring	Stainless Steel	BS2056 302S26

### 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

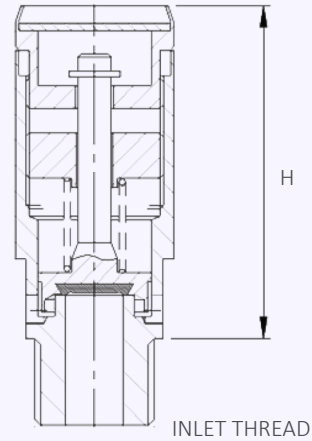


## Technical information by bore size

Bore size	7.9mm		
Inlet Size	1/4"	3/8"	1/2"
Flow Area	49mm <sup>2</sup>		
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 m<sup>3</sup>/hour  
 Type 73008: Flow rates at 10% above the set pressure



Set Pressure			Bore Size (D0)			
			7.9mm			
bar	psi		Nm <sup>3</sup> /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			