Atmospheric Discharge Safety Relief Valves
for steam

Seetru Limited

Type 75008

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

Example Applications

- Small steam vessels
- Industrial coffee machines
- Autoclaves / Steam sterilisers
- Small steam boilers

Specifications

- Inlet connections: 1/4" to 1/2"
- Temperature: Up to 150°C (depending on seal material)
- Pressure range: 0.27 to 5.0 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

CE UKCA EAC

Materials of Construction

Component	Material	Grade
Body	Brass	BS2874 CZ132
Internal Parts	Brass	BS2874 CZ132
Spring	Stainless Steel	302 S56)

Seal Materials

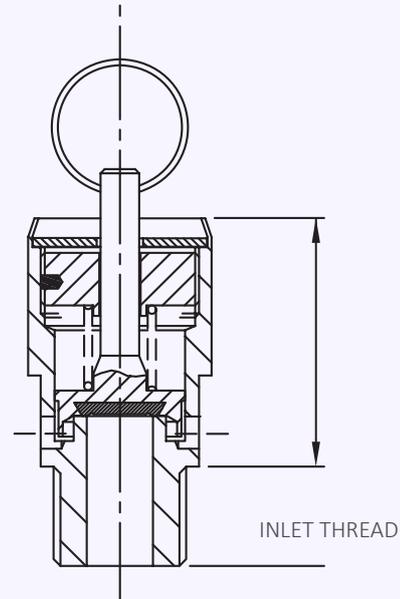| Seal Material	Temperature Range
Silicone	-40°C to +150°C
EPDM	-45°C to +140°C
Aflas	-20°C to +200°C

Easing Gear / Lifting Gear Options

- **Standard option** – Ring Pull
- Other options – Rota Lift or Spindle lift

Technical information by bore size

Bore size	7.9mm		
Inlet Size	1/4"	3/8"	1/2"
Flow Area	49mm²		
TÜV alloted outflow coefficient	0.66		
Weight (approximate) Kg	0.1		
Set Pressure range - PED (CE) bar	0.27 to 5.0 bar		
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)		

Valves with Rota-lift Easing Gear

INLET THREAD

Standard Thread Connection Types

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

Valve Selection Guide

Approval Required	Valve type	Inlet Size	Thread Type	Easing Gear	Seal Material
PED (CE)	75008	Select inlet size from above table	Select thread type	Ring-Pull is the standard option (see other options)	Silicone
					EPDM
					Aflas

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	75008	1/4"	BSP Taper	Pull-Ring	Silicone	1.5 bar
	Approval	Valve Type	Inlet Size	Thread Type	Easing Gear	Seal	Set Pressure

Set Pressure			Bore Size (D0)				
			3.2mm				
bar	psi		Kg/Hr of Steam				
0.27	3.9		21.1				
0.5	7.3		27.4				
1.0	14.5		37.1				
1.5	21.8		46.5				
2.0	29.0		55.8				
3.0	43.5		74.2				
4.0	58.0		92.5				
5.0	72.5		110.7				

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That's Safety!