

for compressed air or gases

## Type 55004

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

### Example Applications

- Compressors
- Pressure vessels
- Pneumatic systems
- High pressure systems

### Specifications

- Inlet connections: 1/4" to 1/2"
- Temperature: 0°C to 100°C
- Pressure range:
  - 69.0 to 448.2 bar (3/8" and 1/2")
  - 69.0 to 345.0 bar (1/4")

### Materials of Construction

Component	Material	Grade
Inlet	Stainless Steel	303S21
Body	Brass	BS2874 CZ121
Internal parts	Brass	BS2874 CZ121
Spring	Carbon Steel	BS2803 685A55 R2



### 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)



### Seal Materials

Seal Material	Temperature Range
Viton® (FKM)	0°C to 100°C
Nitrile (NBR)	0°C to 100°C

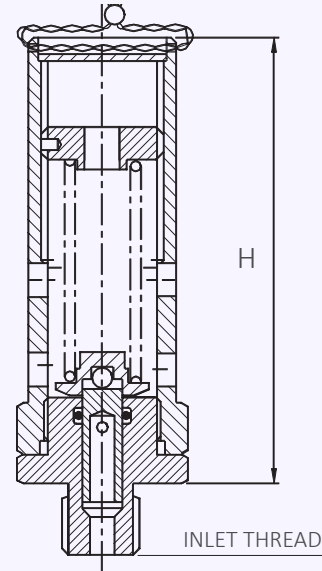
### Easing Gear / Lifting Gear Options

**Standard option** – No easing gear.

## Technical information by bore size

Bore size	3.73mm		
Inlet Size	1/4"	3/8"	1/2"
Flow Area	10.95mm <sup>2</sup>		
H - Height	90mm		
TÜV alloted outflow coefficient	0.082		
Weight (approximate) Kg	0.5		
Set Pressure range - PED (CE) bar	69 to 448.2 bar (Max. 345 bar for 1/4")		
Relieving pressure/fully open pressure	Set pressure +10%		
Reseating pressure	Set pressure -15%		

## Valves with Rota-lift Easing Gear



## Standard Thread Connection Types

- BSP Parallel male thread

## Valve Selection Guide

Approval Required	Valve type	Inlet Size	Thread Type	Easing Gear	Seal Material
PED (CE)	55004	Select inlet size from above table	Select thread type	None	Viton® (FKM)
					Nitrile (NBR)

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	55004	1/2"	BSP parallel	None	Viton	100 bar
	Approval	Valve Type	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 55004: Flow rates at 10% above the set pressure



Set Pressure		Bore Size (D0)				
		<b>3.73</b>				
bar	psi	Nm <sup>3</sup> /Hour				
69.0	1000.5	46.9				
100.0	1450.0	67.8				
150.0	2175.0	101.3				
200.0	2900.0	134.9				
250.0	3625.0	168.5				
300.0	4350.0	202.0				
350.0	5075.0	235.6				
400.0	5800.0	269.2				
448.0	6496.0	301.4				