Seetru Limited

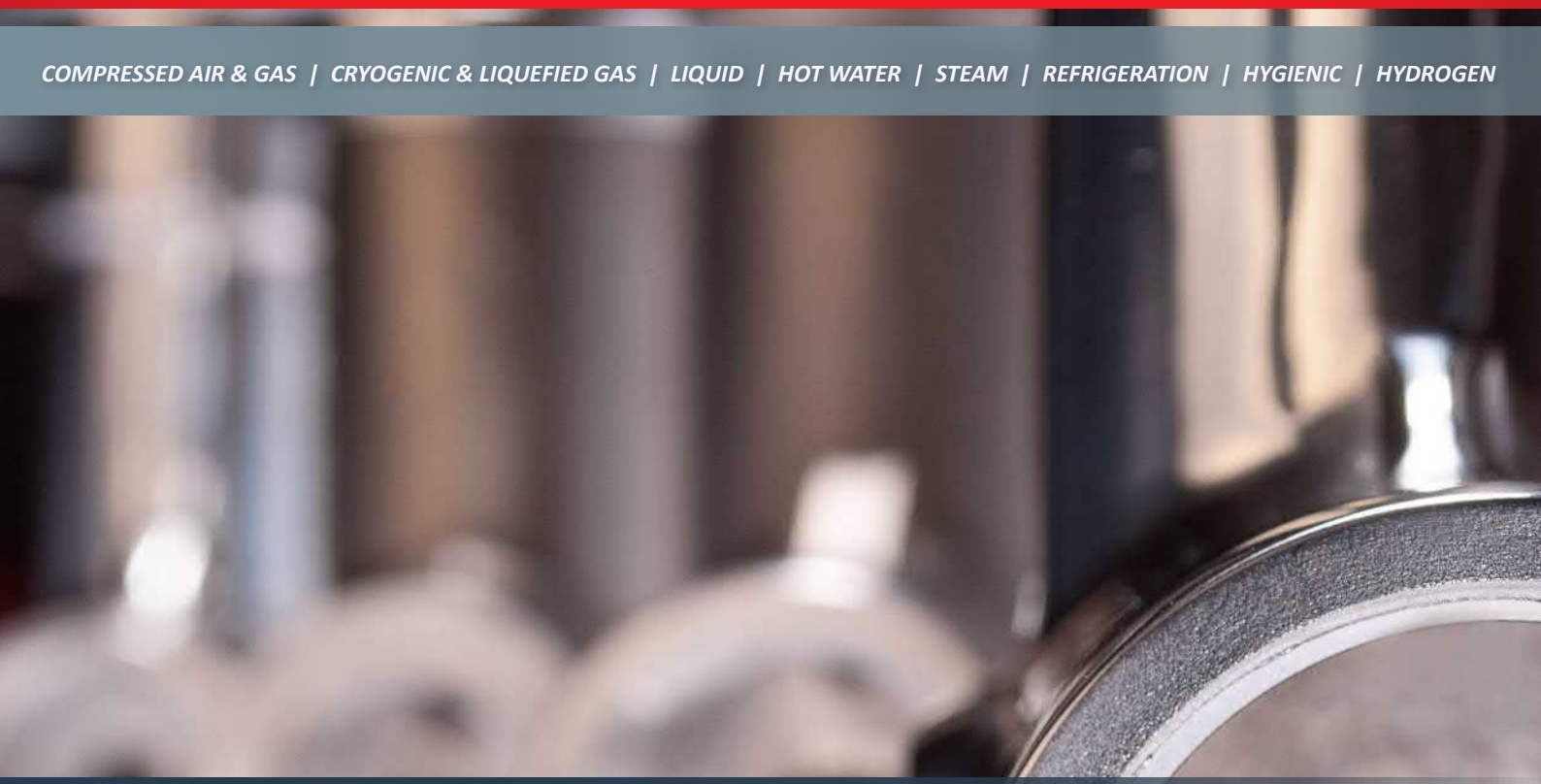
Seetru are Bristol-based manufacturers of safety relief and other special purpose ancillary valves for a wide range of compressed air, industrial gas, refrigerants, powder, steam, liquid and liquefied gas applications. Seetru change-over valves offer increased plant and process efficiency.

Seetru liquid level gauges are primarily of two types, sight gauges and magnetic float bypass gauges. Many of the gauges are direct reading though most have optional electronic remote reading systems and computer interfaces.

SEETRU

Seetru *Safety Relief Valves*

COMPRESSED AIR & GAS | CRYOGENIC & LIQUEFIED GAS | LIQUID | HOT WATER | STEAM | REFRIGERATION | HYGIENIC | HYDROGEN



SAFETY RELIEF VALVES

Seetru's range of safety relief valves with ASME BPVC VIII.1 & XIII (UV) and CRN approval

Last updated January 2024 – subject to change as more valve types get approved

SeetruLimited
That's Safety!

Edition: 16th January 2024

BESTOBELL AQUATRONIX
SINCE / DEPUIS 1953

Bristol-based Manufacturers of Safety and Relief Valves

Seetru Limited was founded in 1949 with the aim of producing the finest liquid level gauges so customers could “see the true” level even under the most severe conditions. This philosophy of making the finest through innovation continued with the introduction of the Seetru range of pressure relief devices, circa 1950 the Seetru Tutchtite-sealing system revolutionized the safety valve market with valves that do not leak even after repeated popping even at high pressures.

Today, Seetru have an extensive range of Pressure Relief Valves and Liquid Level Gauges which carry a wide range of international approvals and are supplied worldwide.

Our Products

Seetru are Bristol-based manufacturers of safety relief valves and other special purpose ancillary valves for a wide range of compressed air, industrial gas, refrigerants, powder, steam, liquid and liquefied gas applications. These valves meet important international standards which include: ISO-4126-1 &-7 and ASME BPVC VIII.1 & XIII design codes as well as type test approvals from TÜV and the National Board. These products comply with the requirements of the European Pressure Equipment Directive (PED) and are available with both the CE mark as well as the UV stamp, and have wide international approvals such as the EAC (TR CU) customs union certification and declaration and the Canadian CRN. Seetru products are fully compliant with the requirements of the UK Pressure Equipment (Safety) Regulations and come with the UKCA mark.

Seetru also have a wide range of special purpose valves. The range includes Change-Over Valves (designed for switching parallel safety valves without interrupting operation), Minimum Pressure Check Valves (typically suitable for application on compressors), Air-Start Valves (designed to handle a two-stage operation for air starting of engines). We also manufacture a range of Air Receiver & In-line Check Valves.

Seetru liquid level gauges are primarily of two types, sight gauges and magnetic float by-pass gauges. Many of the gauges are direct reading though most have optional electronic remote reading systems and computer interfaces. The range includes the Quickmount, Seemag and CPI gauges for industrial and chemical applications, and the Seeflex and Seemag for marine applications. The Company’s substantial design and development department, which includes TÜV approved testing facilities, enable us to provide extensive bespoke design, advisory and manufacturing services to develop or adapt individual products for new applications.

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Atmospheric Discharge Safety Relief Valves

for compressed air or gases

Seetru Limited

Type 818 / 811

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

Example Applications

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

Specifications

- Inlet connections: ¼" to 1" (depending on bore size)
- Temperature: -60°C to +200°C (depending on seal material)
- Pressure range: 0.48 to 50.9 bar (depending on bore size)

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)
- ASME BPVC VIII.1 & XIII (UV)
- CRN
- EAC

Materials of Construction

Component	Material	Grade
Body	Brass	CW614N
Internal Parts	Brass	CW614N
Spring	Stainless Steel	1.4310 (302)

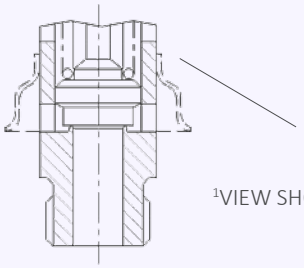
Seal Materials

Seal Material	Temperature Range
FKM (Viton®)	-15°C to +200°C
Hydrogenated Nitrile (HNBR)	-60°C to +150°C

Easing Gear / Lifting Gear Options

- Standard option – Rota-lift cap, twist type
- Spindle lift – for 6mm and 8mm bore valves
- Ring-pull – option available upon request

Other options:
[1]Downward deflecting shroud available for valves with 8 to 15mm bore.



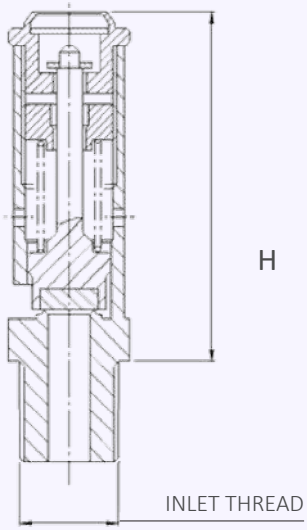
[1]VIEW SHOWING OPTIONAL SHROUD AVAILABLE

Technical information by bore size

Bore size	6 mm		8 mm			10 mm		13 mm		15 mm	
Inlet Size	1/4”	3/8”	1/4"	3/8"	1/2"	1/2"	3/4"	1/2"	3/4"	3/4”	1”
Flow Area	28.3mm²		50.27 mm²			78.54 mm²		132.7 mm²		181.5 mm²	
H - Height (Rota-lift cap)	53.5 mm		52mm-67mm depending on model			80 mm (up to 21 bar) 100 mm (21-46 bar)		95mm		119 mm	
TÜV allotted outflow coefficient 1	0.74		0.74			0.74		0.74		0.74	
NB Rated discharge coefficient (ASME)	0.748		0.748			-		-		-	
NB Certified rated slope (ASME)	-		-			1.66 scfm/psia		2.94 scfm/psia		4.04 scfm/psia	
Weight (approximate) Kg	0.07		0.15			0.35		0.40		0.65	
Set Pressure range - PED (CE) bar	2.8- 36.0		0.55- 43.7			0.48 – 50.9		2.8- 40.0		2.5- 40.0	
Set Pressure range - ASME (UV) psi	40.6- 522.0		43.5 – 633.6			34.8 – 738		40.6 – 580.0		36.25 – 580.0	
Relieving pressure/fully open pressure	Set pressure +10%										
Reseating pressure	Set pressure -10%										

1 TÜV alloted 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)	“818”	“06” = 6mm	Select inlet size from above table	Select thread type	Select easing gear (rota-lift is the standard option)	Viton®
		“88” = 8mm				
		“10” = 10mm				
PED (CE), ASME (UV) & CRN	“811”	“13” = 13mm				HNBR
		“15” = 15mm				

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	818	06	1/4"	BSP Taper	Rota-lift	Viton	10.5 bar
	Approval	Valve Type	Bore = 6mm	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 818: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		6mm	8mm	10mm	13mm	15mm
bar	psi	Nm³/Hour	Nm³/Hour	Nm³/Hour	Nm³/Hour	Nm³/Hour
0.48	6.96			42.8		
0.55	7.975		29.5	46.1		
1	14.5		41.56	64.9		
1.5	21.75		55.04	86.0		
2	29		67.48	105.4		
2.5	36.25		92.83	145.1		335.1
2.8	40.6	58.6	100.97	157.8	266.6	364.5
3	43.5	59.85	106.4	166.3	281.0	384.1
4	58	75.11	133.53	208.7	352.6	482.1
5	72.5	90.38	160.67	251.1	424.3	580.0
6	87	105.64	187.8	293.4	495.9	678.0
7	101.5	120.9	214.94	335.8	567.6	775.9
8	116	136.17	242.07	378.2	639.2	873.9
9	130.5	151.43	269.21	420.6	710.9	971.8
10	145	166.69	296.34	463.0	782.5	1,069.8
11	159.5	181.96	323.48	505.4	854.2	1,167.8
12	174	197.22	350.6	547.8	925.8	1,265.7
13	188.5	212.48	377.75	590.2	997.5	1,363.7
14	203	227.75	404.88	632.6	1,069.1	1,461.6
15	217.5	243.01	432.02	675.0	1,140.8	1,559.6
20	290	319.33	567.69	887.0	1,499.1	2,049.4
25	362.5	395.64	703.37	1,099.0	1,857.3	2,539.2
30	435	471.96	839.04	1,311.0	2,215.6	3,028.9
35	507.5	548.28	974.71	1,522.9	2,573.9	3,518.7
36	522	563.54	1001.85	1,565.4	2,645.5	3,616.7
40	580		1110.39	1,734.9	2,932.1	4,008.5
43.7	633.65		1210.79	1,891.9		
45	652.5			1,946.9		
50	725			2,159.0		
50.9	738.05			2197.12		

Capacity Table - In accordance with ASME BPVC.XIII, AIR at 60°F and 14.7 psia/scfm. SCFM

Type 811 (818): Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		6mm	8mm	10mm	13mm	15mm
Psi	Bar	SCFM	SCFM	SCFM	SCFM	SCFM
35	2.41			88.3		
36.25	2.50			90.6		220.5
40	2.76			97.4		237.1
41	2.80	35.9		99.2	175.8	241.5
43.5	3.00	37.6	66.8	103.8	183.9	252.7
50	3.45	41.9	74.4	115.7	204.9	281.5
60	4.14	48.5	86.1	133.9	237.2	325.9
70	4.83	55.1	97.9	152.2	269.5	370.4
80	5.52	61.6	109.6	170.5	301.9	414.8
90	6.21	68.3	121.4	188.7	334.2	459.3
100	6.90	74.9	133.1	206.9	366.5	503.7
150	10.34	107.9	191.8	298.2	528.2	725.8
200	13.79	140.9	250.5	389.5	689.8	947.9
250	17.24	173.9	309.2	480.8	851.5	1170.1
300	20.69	206.9	367.9	572.0	1013.2	1392.2
350	24.14	240.0	427.1	663.3	1174.8	1614.4
400	27.59	273.0	485.9	754.6	1336.5	1836.5
450	31.03	306.0	544.6	845.9	1498.1	2058.7
500	34.48	339.1	603.4	937.2	1659.8	2280.8
522	36.00	353.6	629.2	977.3	1730.9	2378.5
550	37.93		662.2	1028.5	1821.5	2503.0
580	40.00		697.4	1083.2	1918.5	2636.2
600	41.38		720.9	1119.7		
633.65	43.70		760.5	1181.2		
650	44.83			1210.9		
667	46.00			1242.0		
725	50			1347.91		
738.05	50.9			1371.73		

Atmospheric Discharge Safety Relief Valves

for compressed air or gases

Seetru Limited

Type 848 / 841

Safety valves made from Stainless Steel <
Atmospheric discharge with threaded connections <

Example Applications

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

Specifications

- Inlet connections: ¼" to 1/2"
- Temperature:-60°C to +200°C (depending on seal material)
- Pressure range: 0.55 to 21.0 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)
- ASME BPVC VIII.1 & XIII (UV)
- CRN
- EAC

Materials of Construction

Component	Material	Grade
Body	Stainless Steel	1.4401 (316)
Internal Parts	Stainless Steel	1.4401 (316)
Spring	Stainless Steel	1.4310 (302)

Seal Materials

Seal Material	Temperature Range
Viton® (FKM)	-15°C to +200°C
Hydrogenated Nitrile (HNBR)	-60°C to +150°C

Easing Gear / Lifting Gear Options

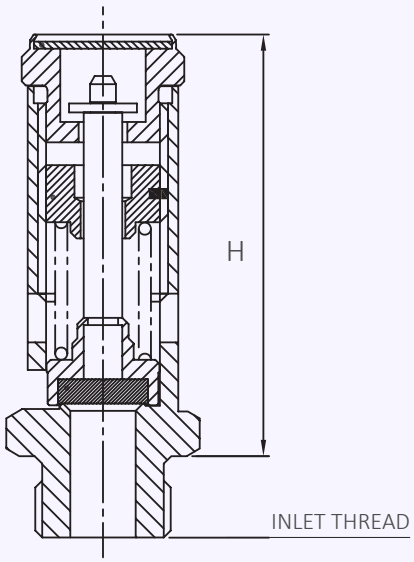
- **Standard option** – Rota-lift cap, twist type
- **Other option** - Spindle lift

Technical information by bore size

Bore size	8mm		
Inlet Size	1/4"	3/8"	1/2"
Flow Area	50.27 mm²		
H - Height (Rota-lift cap)	52mm (1/4" & 3/8") 56mm (1/2")		
TÜV alloted outflow coefficient [1]	0.67		
NB Rated discharge coefficient (ASME)	0.748		
Weight (approximate) Kg	0.3		
Set Pressure range - PED (CE) bar	0.55- 21.0		
Set Pressure range - ASME (UV) psi	43.5- 304.5		
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 alloted 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)	848	8mm	Select inlet size from above table	Select thread type	Select easing gear (rota-lift is the standard option)	Viton®
PED (CE), ASME (UV) & CRN	841					HNBR

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	848	8	1/4"	BSP Taper	Rota-lift	Viton	13.5 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 848: Flow rates at 10% above the set pressure.

Set Pressure		Bore Size (D0)				
		8mm				
bar	psi	Nm³/Hour				
0.55	7.975	31.6				
1	14.5	44.5				
1.5	21.75	58.36				
2	29	70.7				
2.5	36.25	86.33				
2.8	40.6	93.9				
3	43.5	98.9				
4	58	124.1				
5	72.5	149.4				
6	87	174.7				
7	101.5	199.8				
8	116	225.1				
9	130.5	250.3				
10	145	275.5				
11	159.5	300.8				
12	174	326.0				
13	188.5	351.2				
14	203	376.5				
15	217.5	401.7				
20	290	527.9				
21	304.5	553.1				

Capacity Table - In accordance with ASME BPVC.XIII, AIR at 60°F and 14.7 psia/scfm. SCFM

Type 841 (848): Flow rates at 10% above the set pressure.

Set Pressure		Bore Size (D0)				
		8mm				
psi	bar	SCFM				
43.5	3.00	66.8				
50	3.45	74.4				
60	4.14	86.1				
70	4.83	97.9				
80	5.52	109.6				
90	6.21	121.4				
100	6.90	133.1				
150	10.34	191.8				
200	13.79	250.5				
250	17.24	309.2				
300	20.69	367.9				
304.5	21.00	373.2				

Atmospheric Discharge Safety Relief Valves

for compressed air or gases

Seetru Limited

Type 616 / 611

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

Example Applications

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

Specifications

- Inlet connections: ¼" to 2" (depending on bore size)
- Temperature:-40°C to +200°C (depending on seal material)
- Pressure range: 2.0 to 55.0 bar (depending on bore size)

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)
- ASME BPVC VIII.1 & XIII (UV)
- CRN (for 18mm & 20mm bore valves only)
- EAC

Materials of Construction

Component	Material	Grade
Inlet	Brass	CW614N
	Stainless Steel	1.4401 (316)
Body	Brass	CW614N
Internal parts	Brass	CW614N
Spring	Stainless Steel	1.4310 (302)

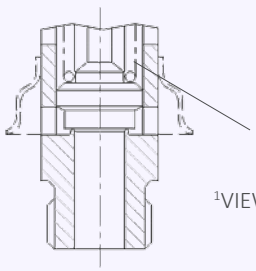
Seal Materials

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

Easing Gear / Lifting Gear Options

- Standard option – Rota-lift cap, twist type
- None – No easing gear
- Lever lift – available on request (10-20mm bores)

Other options:
[1]Downward deflecting shroud available for valves with 10 to 20mm bores (show image)

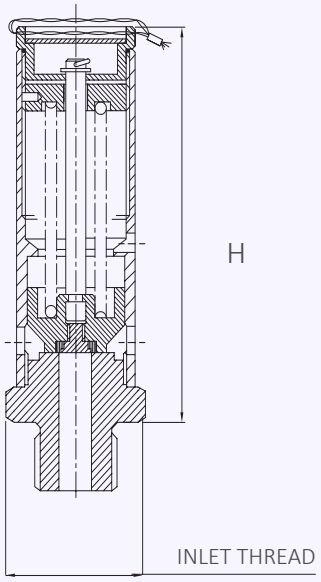


[1]VIEW SHOWING OPTIONAL SHROUD AVAILABLE

Technical information by bore size

Bore Size	8mm			10mm (9.6mm)				13mm			18mm			20mm			
Inlet Size	1/4"	3/8"	1/2"	3/8"	1/2"	3/4"	1"	3/4"	1"	1 1/4"	1"	1 1/4"	1 1/2"	1"	1 1/4"	1 1/2"	2"
Flow Area	50.27mm²			72.4mm²				132.7mm²			254.5mm²			314.0mm²			
H - Height (Rota-lift cap version)	81mm			109mm (up to 19 bar) 119.5mm (19-44 bar)				124.5 bar			148mm (up to 18 bar) 156mm (18-36 bar)			166mm			
TÜV allotted outflow coefficient [1]	0.7			0.71				0.81			0.81			0.76			
NB Certified rated slope (ASME)	X			X				X			6.04 scfm/psia			7.32 scfm/psia			
Weight (approximate) Kg	0.4			0.8				1.0			1.8			2.1			
Set Pressure range - PED (CE) bar	14.5- 55.0			2.3- 44.0				2.8- 41.4			2.1- 36.0			2.0- 18.0			
Set Pressure range - ASME (UV) psi	X			X				X			30.45- 522.0			29.0- 261.0			
Relieving pressure/fully open pressure	Set pressure +10%																
Reseating pressure	Set pressure -10%																

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)	616 (Brass inlet)	82 = 8mm	Select inlet size from above table	Select thread type	Select easing gear (rota-lift is the standard option)	Viton® (FKM)
	626 (St. Steel inlet)	10 = 9.6mm				
		13 = 13mm				
PED (CE), ASME (UV) & CRN	611 (Brass inlet)	18 = 18mm				Nitrile (NBR)
	621 (St. Steel inlet)	20 = 20mm				

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	616	13	1"	BSP Taper	Rota-lift	Viton	10.5 bar
	Approval	Valve Type	Bore = 13mm	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 616: Flow rates at 10% above the set pressure.

Set Pressure		Bore Size (D0)				
		8mm	9.6mm	13mm	18mm	20mm
bar	psi	Nm³/Hour	Nm³/Hour	Nm³/Hour	Nm³/Hour	Nm³/Hour
2	29					522.5
2.1	30.45				466.5	540.5
2.3	33.35		124.0		497.5	576.3
2.8	40.6		143.3	299.8	574.7	665.7
3	43.5		151.0	315.9	605.5	701.3
4	58		189.5	396.4	760.0	880.3
5	72.5		228.0	477.0	914.5	1059.2
6	87		266.5	557.5	1069.0	1238.2
7	101.5		305.0	638.1	1223.3	1417.1
8	116		343.5	718.7	1377.7	1595.9
9	130.5		382.0	799.2	1532.2	1774.9
10	145		420.5	879.8	1686.6	1953.8
11	159.5		459.0	960.3	1841.1	2132.6
12	174		497.5	1040.9	1995.5	2311.5
13	188.5		536.0	1121.4	2149.9	2490.4
14	203		574.6	1201.9	2304.4	2669.3
14.5	210.25	406.5	593.8	1242.3	2381.6	2758.8
15	217.5	420.0	613.1	1282.5	2458.8	2848.3
18	261	498.8	728.6	1524.2	2992.1	3384.9
20	290	551.5	805.6	1685.3	3231.0	
25	362.5	683.4	998.1	2088.1	4003.2	
30	435	815.2	1190.6	2490.9	4775.4	
35	507.5	947.0	1383.2	2893.7	5547.6	
36	522	973.4	1421.7	2974.2	5702.0	
40	580	1079.0	1575.7	3296.4		
41.4	600.3	1115.7	1629.6	3409.2		
44	638	1184.3	1729.7			
45	652.5	1210.6				
50	725	1342.5				
55	797.5	1474.3				

Capacity Table In accordance with ASME BPVC.XIII, AIR at 60°F and 14.7 psia/scfm. SCFM

Type 616 (611): Flow rates at 10% above the set pressure.

Set Pressure		Bore Size (D0)				
		8mm	9.6mm	13mm	18mm	20mm
psi	bar	SCFM	SCFM	SCFM	SCFM	SCFM
29	2.00					341
30.45	2.50				291	525
35	2.41				321	389
40	2.80				355	429
50	3.45				421	510
60	4.14				487	590
70	4.83				554	671
80	5.52				620	751
90	6.21	Not ASME Approved	Not ASME Approved	Not ASME Approved	687	832
100	6.90				753	912
150	10.34				1085	1315
200	13.79				1418	1717
250	17.24				1750	2120
300	20.69				2082	
350	24.14				2414	
400	27.59				2746	
450	31.03				3079	
500	34.48				3411	
522	36.00				3557	

Atmospheric Discharge Safety Relief Valves

for compressed air or gases

Seetru Limited

Type 106 / 116

Safety valves made from Brass or Aluminum <
Atmospheric discharge with threaded connections – FKS approved <

Example Applications

- Compressors
- Pressure vessels
- Pneumatic systems
- Particle laden air/gas (FKS)
- Transport vehicles

Specifications

- Inlet connections: 1” to 2”
- Temperature:-40°C to +200°C (depending on seal material)
- Pressure range: 0.5 to 12.0 bar

Approvals

- FKS approval for particle laden gases
- Designed in accordance with BS EN ISO-4126-1 &-7
- PED 2014/68/EU (CE)
- PE(S)R UK SI 2016 No. 1105 (UKCA)
- ASME BPVC VIII.1 & XIII (UV)
- CRN
- EAC

Materials of Construction

Component	Material	Grade
Inlet	Brass	CW614N
	Aluminium Alloy	6082
Body	Brass	CW614N
	Aluminium Alloy	6082
Internal parts	Brass	CW614N
	Aluminium Alloy	6082
Spring	Stainless Steel	1.4310 (302)

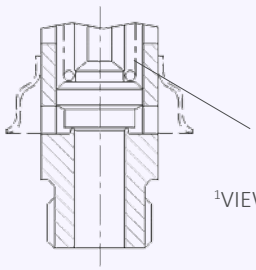
Seal Materials

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

Easing Gear / Lifting Gear Options

- Standard option – Rota-lift cap, twist type

Other options:
[1]Downward deflecting shroud available

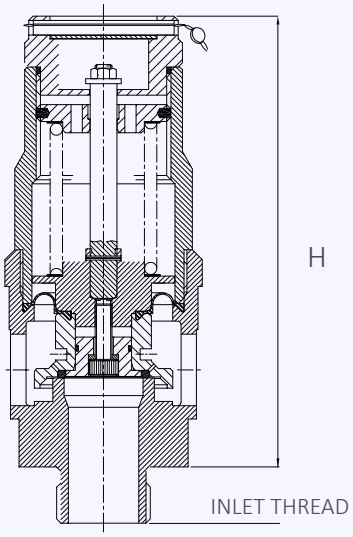


[1]VIEW SHOWING OPTIONAL SHROUD AVAILABLE

Technical information by bore size

Bore Size	25mm			
Inlet Size	1"	1 1/4"	1 1/2"	2"
Flow Area	491mm²			
H - Height (Rota-lift cap version)	172mm			
TÜV allotted outflow coefficient [1]	0.78 (Above 3.6 bar)			
NB Certified rated slope (ASME)	11.3 scfm/psia			
Weight (approximate) Kg	2.8 (for brass valve)			
Set Pressure range - PED (CE) bar	0.5-12.0 bar			
Set Pressure range - ASME (UV) psi	7.25-174.0 bar			
Relieving pressure/fully open pressure	Set pressure +10%			
Reseating pressure	Set pressure-10%			

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	Bore Size	Inlet Size	Thread Type	Easing Gear	Downward Deflecting Shroud Required?	Seal Material
PED (CE)	106 (Brass valve)	25=25mm	Select inlet size from above table	Select thread type	Select easing gear (rota-lift is the standard option)	Yes or No	Viton® (FKM)
	116 (Aluminium valve)						
PED (CE), ASME (UV) & CRN	101 (Brass valve)						Nitrile (NBR)
	111 (Aluminium valve)						

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	106	25	1"	BSP Taper	Rota-lift	Shroud?	Viton	3.1 bar
	Approval	Valve Type	Bore = 25mm	Inlet Size	Thread Type	Easing Gear	No	Seal	Set Pressure

Capacity Table - In accordance with TÜV, AIR at 0°C and 1013mbar. Normal m³/hour

Type 106/116: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		25mm				
bar	Psi g	Nm³/Hour				
0.5	7.25	308				
1	14.5	466				
2	29	795				
3	43.5	1110				
4	58	1411				
5	72.5	1698				
6	87	1985				
7	101.5	2272				
8	116	2559				
9	130.5	2846				
10	145	3133				
11	159.5	3420				
12	174	3707				

Capacity Table - In accordance with ASME BPVC.XIII, AIR at 60°F and 14.7 psia/scfm. SCFM

Type 106/116: Flow rates at 10% above the set pressure.

Set Pressure		Bore Size (D0)				
		25mm				
psi	bar	SCFM				
7.25	0.50	282				
10	2.50	313				
20	1.38	426				
30	2.80	539				
40	2.76	663				
50	3.45	786				
60	4.14	912				
70	4.83	1036				
80	5.52	1161				
90	6.21	1285				
100	6.90	1409				
150	10.34	2031				
174	12.00	2329				

Enclosed Discharge Safety Relief Valves

for compressed air or gases

Seetru Limited

Type 636 / 631

Safety valves with bronze body <
Enclosed discharge valve with threaded connections <

Example Applications

- Air / gas compressors
- Pressure vessels
- Pneumatic systems
- Medical gases
- Technical gases

Specifications

- Inlet connections: 3/8” to 2” (depending on bore size)
- Temperature:-40°C to +200°C (depending on seal material)
- Pressure range: 0.32 to 55.2 bar (depending on bore size)

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)
- ASME BPVC VIII.1 & XIII (UV)
- CRN
- EAC

Materials of Construction

Component	Material	Grade
Inlet	Brass	CW614N
	Stainless Steel	1.4401 (316)
Body	Bronze	CC491K SB-62 C83600
Internal parts	Brass	CW614N
	Stainless Steel	1.4401 (316)
Spring	Stainless Steel	1.4310 (302)

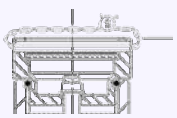
Seal Materials

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

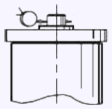
Standard seal materials shown, others are available.

Easing Gear / Lifting Gear Options

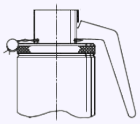
- **Standard option**:
Rota-lift, twist type
(not gas tight)



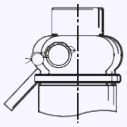
- **Other Options:**



Sealed Cap (gas tight cap)



Unsealed lever (not gas tight)



Sealed lever (gas tight)

Technical information by bore size

Bore size	9.5/10mm			13.7mm			17mm			20mm			25mm		
Inlet Size	3/8"	1/2"	3/4"	1/2"	3/4"	1"	1"	1 1/4"	1 1/2"	1"	1 1/4"	1 1/2"	1 1/4"	1 1/2"	2"
Outlet Size	3/4"			1"			1 1/2"			2"			2"		
Flow Area	70.9mm² (above 1.55 bar)			147.7mm²			227mm²			314mm²			490.4mm²		
H - Height (Rota-lift cap version)	102mm (up to 33 bar) 116mm (33-55.2 bar)			143mm (up to 35 bar) 172.5mm (35-49 bar)			204mm			227mm			252mm		
TÜV alloted outflow coefficient	0.78			0.71			0.74 (1.0 to 2.4 bar) 0.84 (2.4 to 35.0 bar)			0.76 (3.0 to 22.0 bar) 0.80 (22.0 to 35.0 bar)			0.85		
NB Certified rated slope (ASME)	1.74 scfm/psia			3.47 scfm/psia			5.60 scfm/psia			7.77 scfm/psia			12.26 scfm/psia		
Weight (approximate) Kg	0.8			1.1			3.6			4.0			5.1		
Set Pressure range - PED (CE) bar	0.48 to 55.2			0.32 to 49.0			1.0 to 35.0			3.0 to 35.0			5.65 to 30.0		
Set Pressure range - ASME (UV) psi	22.5 to 800.4			20.3 to 710.5			34.8 to 507.5			43.5 to 507.5			82.0 to 435.0		
Relieving pressure/fully open pressure	**Set Pressure +10%**														
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.

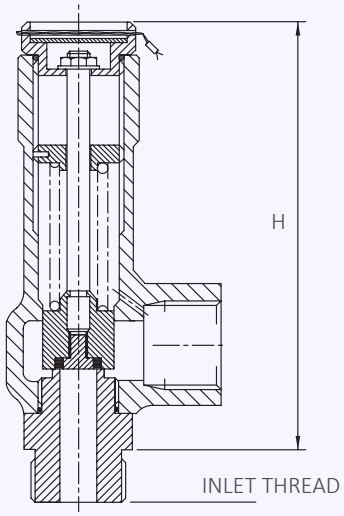
Standard Thread Connection Types

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

Standard Outlet Connection Types

- BSP Parallel female thread
- NPT female thread

Valves with Rota-lift Easing Gear



Valve Selection Guide

Approval Required	Valve type	Select Bore	Inlet Size	Thread Type	Outlet Thread Type	Easing Gear	Seal Material
PED (CE)	636 (Brass inlet)	Select bore size from above table	Select inlet size from above table	Select Inlet thread type	Select Outlet thread type	Select easing gear/top fitting	Viton® (FKM)
	656 (St. Steel inlet						Nitrile (NRB)
PED (CE), ASME (UV) & CR	631 (Brass inlet)						
	651 (St. Steel inlet						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	636	20	1 1/2"	BSP Taper	BSP parallel	Rota-lift	Viton	10.5 bar
	Approval	Valve Type	Bore = 20mm	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 636/656: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		9.5mm	13.7mm	17mm	20mm	25mm
bar	psi	Nm³/Hour	Nm³/Hour	Nm³/Hour	Nm³/Hour	Nm³/Hour
0.32	4.64		114.2			
0.48	6.96	48.9	124.5			
1	14.5	76.9	164.9	241.8		
2	29	121.0	229.1	367.6		
3	43.5	162.4	307.5	560.2	701.4	
4	58	203.8	385.9	703.0	880.3	
5	72.5	245.3	464.3	845.9	1059.2	
5.65	81.93	272.2	515.3	938.7	1175.5	2054.3
6	87	286.7	542.7	988.7	1238.2	2163.7
7	101.5	328.1	621.2	1131.6	1417.0	2476.4
8	116	369.5	699.6	1274.5	1596.0	2789.0
9	130.5	410.9	778.0	1417.3	1774.9	3101.7
10	145	452.4	856.4	1560.2	1953.8	3414.3
15	217.5	659.5	1248.5	2274.5	2848.2	4977.5
20	290	866.6	1640.6	2988.7	3742.8	6540.7
25	362.5	1073.8	2032.7	3703.0	4881.2	8103.9
30	435	1280.9	2424.8	4417.3	5823.0	9667.1
35	507.5	1488.1	2816.9	5131.6	6764.6	
40	580	1695.2	3209.0			
45	652.5	1902.3	3601.1			
49	710.5	2068.0	3914.8			
50	725	2109.4				
55.2	800.4	2324.8				

For any intermediate pressures/flows please contact Seetru

Capacity Table - In accordance with ASME BPVC.XIII, AIR at 60°F and 14.7 psia/scfm. SCFM
Type 631/651: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		9.5mm	13.7mm	17mm	20mm	25mm
psi	bar	SCFM	SCFM	SCFM	SCFM	SCFM
20.3	1.40		131.9			
22.5	2.50	68.7	139.4			
30	2.07	81.5	165.5			
34.8	2.80	90.6	183.8	296.7		
40	2.76	100.4	203.7	328.7		
43.5	3.00	106.9	217.0	350.2	486.0	
50	3.45	119.2	241.8	390.3	541.5	
82	5.66	179.3	363.9	587.3	814.9	1285.8
100	6.90	213.2	432.6	698.1	968.7	1528.4
150	10.34	307.2	623.4	1006.1	1395.9	2202.6
200	13.79	401.2	814.2	1314.0	1823.2	2876.8
250	17.24	495.3	1005.0	1621.9	2250.4	3550.8
300	20.69	589.3	1195.8	1929.8	2677.6	4224.9
350	24.14	683.3	1386.6	2237.8	3104.9	4899.1
400	27.59	777.4	1577.4	2545.7	3532.2	5573.3
435	30.00	843.2	1711.0	2761.2	3831.2	6045.2
450	31.03	871.4	1768.2	2853.6	3959.3	
500	34.48	965.4	1959.0	3161.5	4386.6	
507.5	35.00	979.5	1987.6	3207.7	4450.7	
550	37.93	1059.4	2149.8			
600	41.38	1153.4	2340.6			
650	44.83	1247.5	2531.4			
700	48.28	1341.5	2722.2			
710.5	49.00	1361.3	2762.3			
750	51.72	1435.5				
800.4	55.20	1530.3				

For any intermediate pressures/flows please contact Seetru

Enclosed Discharge Safety Relief Valves

for compressed air or gases

Seetru Limited

Type 646 / 641

Safety valves with Stainless Steel body <
Enclosed discharge valve with threaded connections <

Example Applications

- Air / gas compressors
- Pressure vessels
- Pneumatic systems
- Medical gases
- Technical gases

Specifications

- Inlet connections: 3/8” to 2” (depending on bore size)
- Temperature:-40°C to +200°C (depending on seal material)
- Pressure range: 0.32 to 55.2 bar (depending on bore size)

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)
- ASME BPVC VIII.1 & XIII (UV)
- CRN
- EAC

Materials of Construction

Component	Material	Grade
Inlet	Stainless Steel	1.4401 (316)
Body	Stainless Steel	1.4408 (316)
Internal Parts	Stainless Steel	1.4401 (316)
Spring	Stainless Steel	1.4310 (302)

Seal Materials

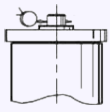
Seal Material	Temperature Range
Viton® (FKM)	-15°C to +200°C
Nitrile (NBR)	-40°C to +120°C

Standard seal materials shown, others are available.

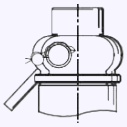
Easing Gear / Lifting Gear Options

- **Standard option**: Rota-lift cap, twist type (not gas tight)

- Other Options:



Sealed Cap (gas tight cap)



Sealed lever (gas tight)

Technical information by bore size

Bore size	9.5/10mm			13.7mm			17mm			20mm			25mm		
Inlet Size	3/8"	1/2"	3/4"	1/2"	3/4"	1"	1"	1 1/4"	1 1/2"	1"	1 1/4"	1 1/2"	1 1/4"	1 1/2"	2"
Outlet Size	3/4"			1"			1 1/2"			2"			2"		
Flow Area	70.9mm² (above 1.55 bar)			147.7mm²			227mm²			314mm²			490.4mm²		
H - Height (Rota-lift cap version)	116mm			143mm (up to 35 bar) 172.5mm (35-49 bar)			211mm			227mm			252mm		
TÜV alloted outflow coefficient	0.78			0.71			0.74 (1.0 to 2.4 bar) 0.84 (2.4 to 35.0 bar)			0.76 (3.0 to 22.0 bar) 0.80 (22.0 to 35.0 bar)			0.85		
NB Certified rated slope (ASME)	1.74 scfm/psia			3.47 scfm/psia			5.60 scfm/psia			7.77 scfm/psia			12.26 scfm/psia		
Weight (approximate) Kg	0.8			1.1			3.6			4.0			5.1		
Set Pressure range - PED (CE) bar	0.48 to 55.2			0.32 to 49.0			1.0 to 35.0			3.0 to 35.0			5.65 to 30.0		
Set Pressure range - ASME (UV) psi	22.5 to 800.4			20.3 to 710.5			34.8 to 507.5			43.5 to 507.5			82.0 to 435.0		
Relieving pressure/fully open pressure	**Set Pressure +10%**														
Reseating pressure	**Set Pressure -10%**														

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.

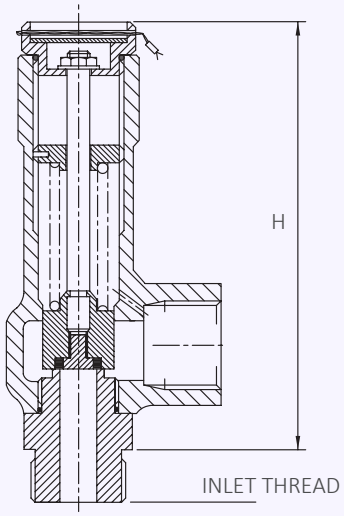
Standard Thread Connection Types

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

Standard Outlet Connection Types

- BSP Parallel female thread
- NPT female thread

Valves with Rota-lift Easing Gear



Valve Selection Guide

Approval Required	Valve type	Select Bore	Inlet Size	Inlet Thread Type	Outlet Thread Type	Easing Gear	Seal Material
PED (CE)	646	Select bore size from above table	Select inlet size from above table	Select Inlet thread type	Select Outlet thread type	Select easing gear/top fitting	Viton® (FKM)
PED (CE), ASME (UV) & CRN	641						Nitrile (NRB)
							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	PED, ASME & CRN	641	20	1 1/2"	BSP Taper	BSP parallel	Rota-lift	Viton	10.5 bar
	Approval	Valve Type	Bore = 20mm	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 646: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		9.5mm	13.7mm	17mm	20mm	25mm
bar	psi	Nm³/Hour	Nm³/Hour	Nm³/Hour	Nm³/Hour	Nm³/Hour
0.32	4.64		114.2			
0.48	6.96	48.9	124.5			
1	14.5	76.9	164.9	241.8		
2	29	121.0	229.1	367.6		
3	43.5	162.4	307.5	560.2	701.4	
4	58	203.8	385.9	703.0	880.3	
5	72.5	245.3	464.3	845.9	1059.2	
5.65	81.93	272.2	515.3	938.7	1175.5	2054.3
6	87	286.7	542.7	988.7	1238.2	2163.7
7	101.5	328.1	621.2	1131.6	1417.0	2476.4
8	116	369.5	699.6	1274.5	1596.0	2789.0
9	130.5	410.9	778.0	1417.3	1774.9	3101.7
10	145	452.4	856.4	1560.2	1953.8	3414.3
15	217.5	659.5	1248.5	2274.5	2848.2	4977.5
20	290	866.6	1640.6	2988.7	3742.8	6540.7
25	362.5	1073.8	2032.7	3703.0	4881.2	8103.9
30	435	1280.9	2424.8	4417.3	5823.0	9667.1
35	507.5	1488.1	2816.9	5131.6	6764.6	
40	580	1695.2	3209.0			
45	652.5	1902.3	3601.1			
49	710.5	2068.0	3914.8			
50	725	2109.4				
55.2	800.4	2324.8				

For any intermediate pressures/flows please contact Seetru

Capacity Table - In accordance with ASME BPVC.XIII, AIR at 60°F and 14.7 psia/scfm. SCFM
Type 641: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		9.5mm	13.7mm	17mm	20mm	25mm
psi	bar	SCFM	SCFM	SCFM	SCFM	SCFM
20.3	1.40		131.9			
22.5	2.50	68.7	139.4			
30	2.07	81.5	165.5			
34.8	2.80	90.6	183.8	296.7		
40	2.76	100.4	203.7	328.7		
43.5	3.00	106.9	217.0	350.2	486.0	
50	3.45	119.2	241.8	390.3	541.5	
82	5.66	179.3	363.9	587.3	814.9	1285.8
100	6.90	213.2	432.6	698.1	968.7	1528.4
150	10.34	307.2	623.4	1006.1	1395.9	2202.6
200	13.79	401.2	814.2	1314.0	1823.2	2876.8
250	17.24	495.3	1005.0	1621.9	2250.4	3550.8
300	20.69	589.3	1195.8	1929.8	2677.6	4224.9
350	24.14	683.3	1386.6	2237.8	3104.9	4899.1
400	27.59	777.4	1577.4	2545.7	3532.2	5573.3
435	30.00	843.2	1711.0	2761.2	3831.2	6045.2
450	31.03	871.4	1768.2	2853.6	3959.3	
500	34.48	965.4	1959.0	3161.5	4386.6	
507.5	35.00	979.5	1987.6	3207.7	4450.7	
550	37.93	1059.4	2149.8			
600	41.38	1153.4	2340.6			
650	44.83	1247.5	2531.4			
700	48.28	1341.5	2722.2			
710.5	49.00	1361.3	2762.3			
750	51.72	1435.5				
800.4	55.20	1530.3				

For any intermediate pressures/flows please contact Seetru

Enclosed Discharge Safety Relief Valves

for refrigeration

Seetru Limited

Type 636 / 631

Safety valves with bronze body <
Enclosed discharge valve with threaded connections <

Example Applications

- Compressor manufacture
- Industrial refrigeration
- Commercial refrigeration
- Ice making machinery
- Air conditioning

Specifications

- Inlet connections: 3/8” to 1 1/2” (depending on bore size)
- Temperature:-30°C to +200°C
- Pressure range: 6.6 to 55.2 bar (depending on bore size)

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)
- ASME BPVC VIII.1 & XIII (UV)
- CRN
- EAC

Materials of Construction

Component	Material	Grade
Inlet	Brass	CW614N
Body	Bronze	CC491K SB-62 C83600
Internal Parts	Brass	CW614N
Spring	Stainless Steel	1.4310 (302)

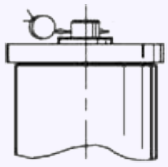
Seal Materials

Seal Material	Temperature Range
Perfluroelastomer (FFKM)	-30°C to +200°C

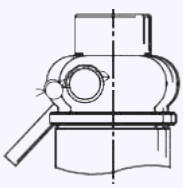
Standard seal materials shown, others are available.

Valve cap / Top Fitting

- **Standard option** – Sealed Cap (gas tight cap)



- **Other option** – Sealed lever (gas tight)



Technical information by bore size

Bore size	9.5			13.7mm			17mm		
Inlet Size	3/8"	1/2"	3/4"	1/2"	3/4"	1"	1"	1 1/4"	1 1/2"
Outlet Size	3/4"			1"			1 1/2"		
Flow Area	70.9mm²			147.7mm²			227mm²		
H - Height (Rota-lift cap version)	99mm (up to 33 bar) 113mm (33-55.2 bar)			135mm (up to 33 bar) 168mm (33-49 bar)			204mm		
TÜV alloted outflow coefficient	0.78			0.71			0.84		
NB Certified rated slope (ASME)	1.74 scfm/psia			3.47 scfm/psia			5.60 scfm/psia		
Weight (approximate) Kg	0.8			1.1			3.6		
Set Pressure range - PED (CE) bar	7.0 to 55.2			7.0 to 49.0			6.6 to 35.0		
Set Pressure range - ASME (UV) psi	101.5 to 800.4			101.5 to 710.5			95.7 to 507.5		
Relieving pressure/fully open pressure	**Set pressure +10%**								
Reseating pressure	**Set pressure -10%**								

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.

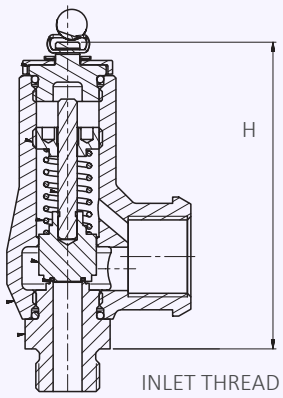
Standard INLET Thread Connection Types

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

Standard OUTLET Thread Connection Types

- BSP Parallel female thread
- NPT female thread

Valves with Rota-lift Easing Gear



Valve Selection Guide

Approval Required	Valve type	Select Bore	Inlet Size	Inlet Thread Type	Outlet Threa Type	Easing Gear	Seal Material
PED (CE)	636	Select bore size from above table	Select inlet size from above table	Select Inlet thread type	Select Outlet thread type	Sealed Cap is the standard option.	Perfluroelastomer (FFKM)
PED (CE), ASME (UV) & CRN	631						

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, ASME/UV & CRN	631	9.5	3/4"	NPT	NPT	Sealed Cap	FFKM	16.2 bar
	Approval	Valve Type	Bore = 9.5mm	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 636: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		9.5mm	13.7mm	17mm		
bar	psi	Nm³/Hour	Nm³/Hour	Nm³/Hour		
7	101.5	328.1	621.2	1131.6		
8	116	369.5	699.6	1274.5		
9	130.5	410.9	778.0	1417.3		
10	145	452.4	856.4	1560.2		
15	217.5	659.5	1248.5	2274.5		
20	290	866.6	1640.6	2988.7		
25	362.5	1073.8	2032.7	3703.0		
30	435	1280.9	2424.8	4417.3		
35	507.5	1488.1	2816.9	5131.6		
40	580	1695.2	3209.0			
45	652.5	1902.3	3601.1			
49	710.5	2068.0	3914.8			
50	725	2109.4				
55.2	800.4	2324.8				

For any intermediate pressures/flows please contact Seetru

Capacity Table - In accordance with ASME BPVC.XIII, AIR at 60°F and 14.7 psia/scfm. SCFM
Type 631: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		9.5mm	13.7mm	17mm		
psi	bar	SCFM	SCFM	SCFM		
100	6.90	213.2	432.6	698.1		
150	10.34	307.2	623.4	1006.1		
200	13.79	401.2	814.2	1314.0		
250	17.24	495.3	1005.0	1621.9		
300	20.69	589.3	1195.8	1929.8		
350	24.14	683.3	1386.6	2237.8		
400	27.59	777.4	1577.4	2545.7		
435	30.00	843.2	1711.0	2761.2		
450	31.03	871.4	1768.2	2853.6		
500	34.48	965.4	1959.0	3161.5		
507.5	35.00	979.5	1987.6	3207.7		
550	37.93	1059.4	2149.8			
600	41.38	1153.4	2340.6			
650	44.83	1247.5	2531.4			
700	48.28	1341.5	2722.2			
710.5	49.00	1361.3	2762.3			
750	51.72	1435.5				
800.4	55.20	1530.3				

For any intermediate pressures/flows please contact Seetru

Enclosed Discharge Safety Relief Valves

for refrigeration

Seetru Limited

Type 646 / 641

Safety valves with stainless steel body <
Enclosed discharge valve with threaded connections <

Example Applications

- Compressor manufacture
- Industrial refrigeration
- Commercial refrigeration
- Ice making machinery
- Air conditioning

Specifications

- Inlet connections: 3/8” to 1 1/2” (depending on bore size)
- Temperature:-30°C to +200°C
- Pressure range: 6.6 to 55.2 bar (depending on bore size)

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)
- ASME BPVC VIII.1 & XIII (UV)
- CRN
- EAC

Materials of Construction

Component	Material	Grade
Inlet	Stainless Steel	1.4401 (316)
Body	Stainless Steel	1.4408 (316)
Internal Parts	Stainless Steel	1.4401 (316)
Spring	Stainless Steel	1.4310 (302)

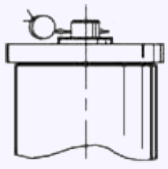
Seal Materials

Seal Material	Temperature Range
Perfluroelastomer (FFKM)	-30°C to +200°C

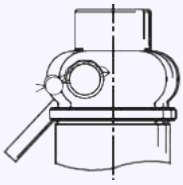
Standard seal materials shown, others are available.

Valve cap / Top Fitting

- **Standard option** – Sealed Cap (gas tight cap)



- **Other option** – Sealed lever (gas tight)



Technical information by bore size

Bore size	9.5			13.7mm			17mm		
Inlet Size	3/8"	1/2"	3/4"	1/2"	3/4"	1"	1"	1 1/4"	1 1/2"
Outlet Size	3/4"			1"			1 1/2"		
Flow Area	70.9mm²			147.7mm²			227mm²		
H - Height (Sealed cap version)	99mm (up to 33 bar) 113mm (33-55.2 bar)			135mm (up to 33 bar) 168mm (33-49 bar)			204mm		
TÜV alloted outflow coefficient	0.78			0.71			0.84		
NB Certified rated slope (ASME)	1.74 scfm/psia			3.47 scfm/psia			5.60 scfm/psia		
Weight (approximate) Kg	0.8			1.1			3.6		
Set Pressure range - PED (CE) bar	7.0 to 55.2			7.0 to 49.0			6.6 to 35.0		
Set Pressure range - ASME (UV) psi	101.5 to 800.4			101.5 to 710.5			95.7 to 507.5		
Relieving pressure/fully open pressure	**Set pressure +10%**								
Reseating pressure	**Set pressure -10%**								

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.

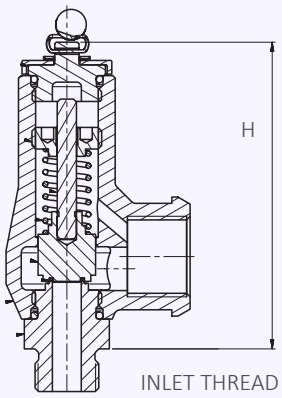
Standard INLET Thread Connection Types

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

Standard OUTLET Thread Connection Types

- BSP Parallel female thread
- NPT female thread

Valves with Rota-lift Easing Gear



Valve Selection Guide

Approval Required	Valve type	Select Bore	Inlet Size	Inlet Thread Type	Outlet Threa Type	Easing Gear	Seal Material
PED (CE)	646	Select bore size from above table	Select inlet size from above table	Select Inlet thread type	Select Outlet thread type	Sealed Cap is the standard option.	Perfluroelastomer (FFKM)
PED (CE), ASME (UV) & CRN	641						

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, ASME/UV & CRN	641	9.5	3/4"	NPT	NPT	Sealed Cap	FFKM	16.2 bar
	Approval	Valve Type	Bore = 9.5mm	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 646: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		9.5mm	13.7mm	17mm		
bar	psi	Nm³/Hour	Nm³/Hour	Nm³/Hour		
7	101.5	328.1	621.2	1131.6		
8	116	369.5	699.6	1274.5		
9	130.5	410.9	778.0	1417.3		
10	145	452.4	856.4	1560.2		
15	217.5	659.5	1248.5	2274.5		
20	290	866.6	1640.6	2988.7		
25	362.5	1073.8	2032.7	3703.0		
30	435	1280.9	2424.8	4417.3		
35	507.5	1488.1	2816.9	5131.6		
40	580	1695.2	3209.0			
45	652.5	1902.3	3601.1			
49	710.5	2068.0	3914.8			
50	725	2109.4				
55.2	800.4	2324.8				

For any intermediate pressures/flows please contact Seetru

Capacity Table - In accordance with ASME BPVC.XIII, AIR at 60°F and 14.7 psia/scfm. SCFM
Type 641: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		9.5mm	13.7mm	17mm		
psi	bar	SCFM	SCFM	SCFM		
100	6.90	213.2	432.6	698.1		
150	10.34	307.2	623.4	1006.1		
200	13.79	401.2	814.2	1314.0		
250	17.24	495.3	1005.0	1621.9		
300	20.69	589.3	1195.8	1929.8		
350	24.14	683.3	1386.6	2237.8		
400	27.59	777.4	1577.4	2545.7		
435	30.00	843.2	1711.0	2761.2		
450	31.03	871.4	1768.2	2853.6		
500	34.48	965.4	1959.0	3161.5		
507.5	35.00	979.5	1987.6	3207.7		
550	37.93	1059.4	2149.8			
600	41.38	1153.4	2340.6			
650	44.83	1247.5	2531.4			
700	48.28	1341.5	2722.2			
710.5	49.00	1361.3	2762.3			
750	51.72	1435.5				
800.4	55.20	1530.3				

For any intermediate pressures/flows please contact Seetru

Type 329

Safety valves with either Bronze or Stainless Steel body <
Enclosed discharge valve with threaded connections <

Example Applications

- Air/Gas systems
- Natural Gas
- CNG/LNG
- Pressure vessels
- Medical gases
- Technical Gases
- CO2 refrigeration
- Ammonia refrigeration (Stainless steel)
- Cryogenic applications
- Liquefied gases

Specifications

- Inlet connections: 3/8” to 3/4”
- Temperature range:-196°C to +70°C
- Pressure range: 53.0 to 370.0 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)
- ASME BPVC VIII.1 & XIII (UV)
- EAC
- CRN

Materials of Construction

Component	Material	Grade
Inlet	Stainless Steel	1.4401 (316)
Body	Bronze	C83600
	Stainless Steel	1.4408 (316)
Internal Parts	Brass	BS EN 12164 CW614N
	Stainless Steel	1.4401 (316)
Spring	Stainless Steel	1.4310 (302)

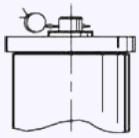
Seal Materials

Seal Material	Temperature Range
PTFE (up to 202 bar) PPS (202 to 370 bar)	-196°C to +70°C

Standard seal materials shown, others are available.

Top Fitting Options

- Standard Option
Sealed Cap (gas tight cap)

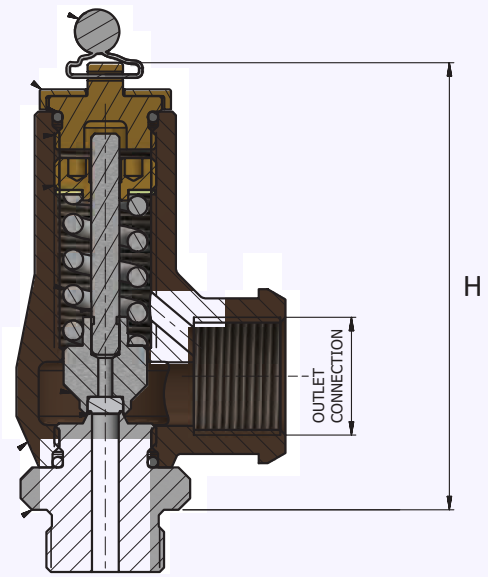


Technical information by bore size

Bore size	6mm		
Inlet Size	3/8"	1/2"	3/4"
Outlet Size	3/4"		
Flow Area	28.2mm²		
H - Height	100mm (53.0 to 240.0 bar) 114mm (240.0 to 370.0 bar)		
TÜV alloted outflow coefficient	0.77		
NB Certified rated slope (ASME)	0.7scfm/psia		
Weight (approximate) Kg	0.8		
Set Pressure range - PED (CE) bar	53.0 to 370.0		
Set Pressure range - ASME (UV) psi	768.5 to 5365.0		
Relieving pressure/fully open pressure	**Set pressure +10%**		
Reseating pressure	**Set pressure -15%**		

Maximum permissible built up back pressure = 10% of set pressure at or below which flow is not reduced.

Valve drawing



Standard Thread Connection Types

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

Standard Outlet Connection Types

- BSP Parallel female thread
- NPT female thread

Valve Selection Guide

Valve Type	Body Material	Approval Required	Select Bore	Inlet Size	Inlet Thread Type	Outlet Thread Type	Easing Gear	Seal Material
329	Stainless Steel Bronze	**PED (CE)** **PED (CE), ASME (UV, NB), CRN**	6mm	Select inlet size from above table	Select Inlet thread type	Select Outlet thread type	Sealed cap	PTFE

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	Bronze	329	PED (CE)	6	1/2"	NPT	NPT	Sealed Cap	PTFE	175 bar
	Body Material	Valve Type	Approval	Bore = 6mm	Inlet Size	Inlet Thread Type	Outlet Thread Type	Top Fitting	Seal	Set Pressure

Capacity Table - In accordance with TÜV, AIR at 0°C and 1013mbar. Normal m³/hour
Type 329: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		6mm				
bar	psi	Nm³/Hour				
53	768.5	879.6				
60	870.0	993.8				
70	1015.0	1156.9				
80	1160.0	1320.0				
90	1305.0	1483.1				
100	1450.0	1646.3				
150	2175.0	2461.9				
200	2900.0	3277.5				
250	3625.0	4093.1				
300	4350.0	4908.7				
350	5075.0	5724.4				
370	5365.0	6050.6				

For any intermediate pressures/flows please contact Seetru

Capacity Table - In accordance with ASME BPVC.XIII, AIR at 60°F and 14.7 psia/scfm. SCFM
Type 329: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		6mm				
psi	bar	SCFM				
768.5	53	602				
870	60	680				
913.5	63	714				
1203.5	83	937				
1305	90	1015				
1450	100	1127				
2175	150	1685				
2900	200	2243				
2929	202	2266				
3480	240	2690				
3625	250	2802				
4350	300	3360				
5075	350	3918				
5365	370	4141				

For any intermediate pressures/flows please contact Seetru

Enclosed Discharge Safety Relief Valves

for compressed air or gases | *steam* | *hygienic*

Seetru Limited

Type 6G6 / 6G1

Clean Service/Hygienic Safety valves with Stainless Steel body <
Enclosed discharge valve with Tri-Clamp inlet connections <

Safety valve for food industry & other hygienic applications including clean steam & gas applications

Example Applications

- Compressed air or gas
- Food production plants
- Hygienic applications
- Pressure vessels
- Medical gases
- Technical gases
- Steam systems

Specifications

- Inlet connections: 1/2” to 1” Tr-Clamp (depending on bore size)
- Temperature:-15°C to +200°C (depending on seal material)
- Pressure range: 0.32 to 55.2 bar (depending on bore size)
  – Maximum 12 bar for Steam Applications.

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)
- ASME BPVC VIII.1 & XIII (UV)
- CRN
- EAC

Materials of Construction

Component	Material	Grade
Inlet	Stainless Steel	1.4404 (316)
Body	Stainless Steel	1.4408 (316)
Internal parts	Stainless Steel	1.4401 (316)
Spring	Stainless Steel	1.4310 (302)

SURFACE FINISH
Process Contact Surface
In accordance with ASME BPE-2005 Table SF-5.
Surface designation Ra Max 15 µinches, 0.4 µm, Electropolished.

Other Surfaces
Not greater than 60 µinches, 1.5 µm.

Seal Materials

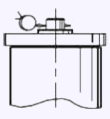
Seal Material	Temperature Range
Perfluoroelastomer (FFKM)	-15°C to +200°C

Standard seal materials shown, others are available.
Elastomer soft sealing specifically developed for food & pharmaceutical industries.

Compliant to:
1. FDA 21 CFR 177.2600
2. United States Pharmacopoeia (USP) Class VI
3. SP3A Sanitary Standards for Multiple Use Rubber Dairy Equipment No 18-03.

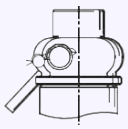
Easing Gear / Lifting Gear Options

- **Standard option**:



Sealed Cap (gas tight cap)

- **Other Options:**



Sealed lever (gas tight)

Technical information by bore size

Bore size	9.5mm (6G610/6G110)		13.7mm (6G613/6G113)	
Inlet Size	1/2"	3/4"	3/4"	1"
Outlet Size	3/4"		1"	
Flow Area	70.9mm²		147.7mm²	
H - Height (Sealed cap version)	160mm		180mm	
TÜV alloted outflow coefficient	0.78		0.71	
NB Certified rated slope (ASME)	1.71 scfm/psia		3.47 scfm/psia	
Weight (approximate) Kg	0.9		1.3	
Set Pressure range - PED (CE) bar	0.48 to 55.2 (max 12 bar for Steam)		0.32 to 49.0 (max 12 bar for Steam)	
Set Pressure range - ASME (UV) psi	22.5 to 800.4		20.3 to 710.5	
Relieving pressure/fully open pressure	**Set pressure +10% (0.1 bar below 1.0 bar)**		**Set pressure + 10% (0.3 bar below 1.4 bar)**	
Reseating pressure	**Set pressure -10% (0.3 bar minimum)**			

Stable operation on flows down to 50% of valve rated capacity.

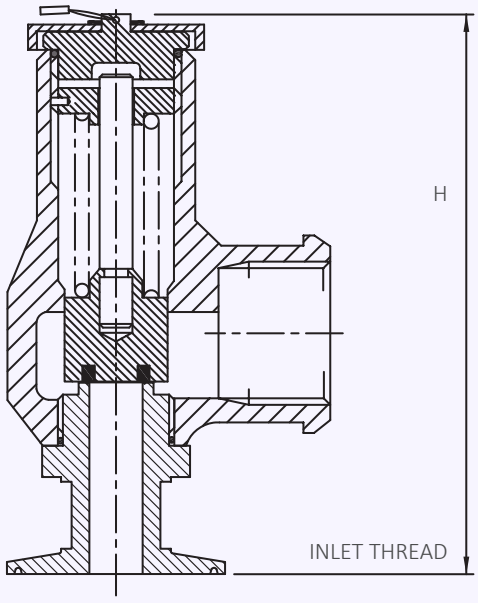
Standard Thread Connection Types

- Tri-Clamp® compatable generally in accordance with ASME BPE 2005 & BS 4825-3.

Standard Outlet Connection Types

- BSP Female Pipe threads (G)

Valve drawing



Valve Selection Guide

Approval Required	Valve type	Select Bore	Inlet Size	Easing Gear	Seal Material
PED (CE)	6G6	Select bore size from above table	Select inlet size from above table	Select easing gear/top fitting	Perfluroelastomer (FFKM)
PED (CE), ASME (UV) & CR	6G1				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	PED, ASME & CRN	6G1	9.5mm	1/2"	Sealed Cap	Perfluroelastomer (FFKM)	3.5 bar
	Approval	Valve Type	Bore Size	Inlet Size	Easing Gear	Seal	Set Pressure

Capacity Table - In accordance with TÜV, AIR at 0°C and 1013mbar. Normal m³/hour

Type 6G6: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)	
		9.5mm (6G610)	13.7mm (6G613)
bar	psi	Nm³/Hour	Nm³/Hour
0.32	4.64		114.2
0.48	6.96	48.9	124.5
1	14.5	76.9	164.9
2	29	121.0	229.1
3	43.5	162.4	307.5
4	58	203.8	385.9
5	72.5	245.3	464.3
5.65	81.93	272.2	515.3
6	87	286.7	542.7
7	101.5	328.1	621.2
8	116	369.5	699.6
9	130.5	410.9	778.0
10	145	452.4	856.4
15	217.5	659.5	1248.5
20	290	866.6	1640.6
25	362.5	1073.8	2032.7
30	435	1280.9	2424.8
35	507.5	1488.1	2816.9
40	580	1695.2	3209.0
45	652.5	1902.3	3601.1
49	710.5	2068.0	3914.8
50	725	2109.4	
55.2	800.4	2324.8	

For any intermediate pressures/flows please contact Seetru

Capacity Table - In accordance ASME section VIII Div I, AIR at 60°F and 14.7 psia/scfm. SCFM

Type 6G1: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)	
		9.5mm (6G610)	13.7mm (6G613)
psi	bar	SCFM	SCFM
20.3	1.40		131.9
22.5	2.50	68.7	139.4
30	2.07	81.5	165.5
34.8	2.80	90.6	183.8
40	2.76	100.4	203.7
43.5	3.00	106.9	217.0
50	3.45	119.2	241.8
82	5.66	179.3	363.9
100	6.90	213.2	432.6
150	10.34	307.2	623.4
200	13.79	401.2	814.2
250	17.24	495.3	1005.0
300	20.69	589.3	1195.8
350	24.14	683.3	1386.6
400	27.59	777.4	1577.4
435	30.00	843.2	1711.0
450	31.03	871.4	1768.2
500	34.48	965.4	1959.0
507.5	35.00	979.5	1987.6
550	37.93	1059.4	2149.8
600	41.38	1153.4	2340.6
650	44.83	1247.5	2531.4
700	48.28	1341.5	2722.2
710.5	49.00	1361.3	2762.3
750	51.72	1435.5	
800.4	55.20	1530.3	

For any intermediate pressures/flows please contact Seetru

Atmospheric Discharge Safety Relief Valves

for refrigeration

Seetru Limited

Type 319

Inline Safety Valves made from Brass <
Atmospheric discharge valve with threaded connections <

Example Applications

- Refrigeration compressor manufacture
- Industrial refrigeration
- Commercial refrigeration
- Ice making machinery
- Air conditioning

Specifications

- Inlet connections: 3/8” to 1/2” or 7/8” x 14UNF (depending on bore size)
- Temperature:-30°C to +200°C
- Pressure range: 13.5 to 55.2 bar (depending on bore size)

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)
- ASME BPVC VIII.1 & XIII (UV)
- CRN
- EAC

Materials of Construction

Component	Material	Grade
Inlet	Brass	CW614N
Body	Brass	CW614N
Internal Parts	Brass	CW614N
Spring	Stainless Steel	1.4310 (302) & 1.4568 (301)

Seal Materials

Seal Material	Temperature Range
Perfluroelastomer (FFKM)	-30°C to +200°C

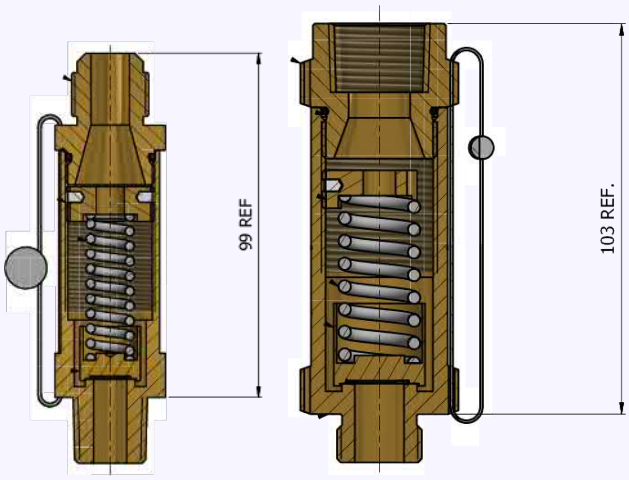
Standard seal materials shown, others are available.

Technical information by bore size

Bore size	9.5		13.08mm	
Inlet Size	3/8"	1/2"	1/2"	7/8" (UNF)
Outlet Size	1/2" or 5/8" Flare		3/4" NPT Female	
Flow Area	71mm²		134.4mm²	
H - Height	99mm		103mm	
TÜV alloted outflow coefficient	0.485		0.71	
NB Certified rated slope (ASME)	1.04 scfm/psia		3.47 scfm/psia	
Weight (approximate) Kg	0.8		1.3	
Set Pressure range - PED (CE) bar	13.5 to 50.0		16.2 to 26.8	
Set Pressure range - ASME (UV) psi	195.75 to 725.0		235.0 to 388.6	
Relieving pressure/fully open pressure	**Set pressure +10%**			
Reseating pressure	**Set pressure -10%**			

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.

Valve drawing



Standard INLET Thread Connection Types

- NPT male thread
- UNF male thread

Standard OUTLET Thread Connection Types

- Flare outlet
- NPT female thread

Valve Selection Guide

Approval Required	Select Bore	Inlet Size	Inlet Thread Type	Outlet Threa Type	Seal Material
PED (CE)	Select bore size from above table	Select inlet size from above table	Select Inlet thread type	Select Outlet thread type	Perfluroelastomer (FFKM)
PED (CE), ASME (UV) & CRN					

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, ASME/UV & CRN	9.5	1/2"	NPT	5/8" Flare	FFKM	16.2 bar/ 235 psi
	Approval	Bore = 9.5mm	Inlet Size	Inlet Thread Type	Outlet	Seal	Set Pressure

Capacity Table - In accordance with ISO 4126, Air at 0°C at 1.013 bar - Kg/min
Type 319-Inline valve: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		9.5mm	13.08mm			
bar	psi	Kg/min	Kg/Min			
13.5	195.75	7.9				
14	203	8.2				
16	232	9.3				
16.2	234.9	9.5	18.7			
18	261	10.4				
20	290	11.5				
24	348	13.7				
25.9	375.55	14.8	29.3			
26	377	14.9				
26.8	388.6	15.4	30.2			
28	406	15.9				
30	435	17.1				
35	507.5	19.9				
40	580	22.7				
45	652.5	25.5				
50	725	28.2				

For any intermediate pressures/flows please contact Seetru

Capacity Table - In accordance with ASME BPVC.XIII, AIR at 60°F and 14.7 psia/scfm. SCFM
Type 319-Inline Valve: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)				
		9.5mm	13.08mm			
psi	bar	SCFM	SCFM			
195.75	13.50	239.2				
200	13.79	244.0				
235	16.20	284.0	609.0			
250	17.24	301.2				
300	20.69	358.5				
325	22.41	387.0				
350	24.14	415.5				
375.6	25.90	444.9	954.0			
388.6	26.80	459.9	987.0			
400	27.59	472.9				
450	31.03	530.0				
500	34.48	587.0				
550	37.93	644.5				
600	41.38	702.0				
650	44.83	759.0				
700	48.28	816.0				
725	50.00	845.0				

For any intermediate pressures/flows please contact Seetru

Enclosed Discharge Safety Relief Valves

for compressed air or gases

Seetru Limited

Type 64613 / 64113 Flanged

Safety valves with Stainless Steel body <
Enclosed discharge valve with flanged connections <

Example Applications

- Air / gas compressors
- Pressure vessels
- Pneumatic systems
- Medical gases
- Technical gases

Specifications

- Inlet connections: DN20 (3/4”) or DN25 (1”) DIN or ANSI flanges
- Temperature:-40°C to +200°C (depending on seal material)
- Pressure range: 0.32 to 49.0 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)
- ASME BPVC VIII.1 & XIII (UV)
- CRN
- EAC

Materials of Construction

Component	Material	Grade
Inlet	Stainless Steel	1.4401 (316)
Body	Stainless Steel	1.4408 (316)
Internal parts	Stainless Steel	1.4401 (316)
Spring	Stainless Steel	1.4310 (302)

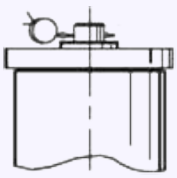
Seal Materials

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

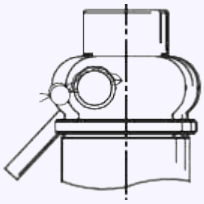
Standard seal materials shown, others are available.

Easing Gear / Lifting Gear Options

Standard Option: Sealed Cap (gas tight cap)



Other Option: Sealed lever (gas tight)

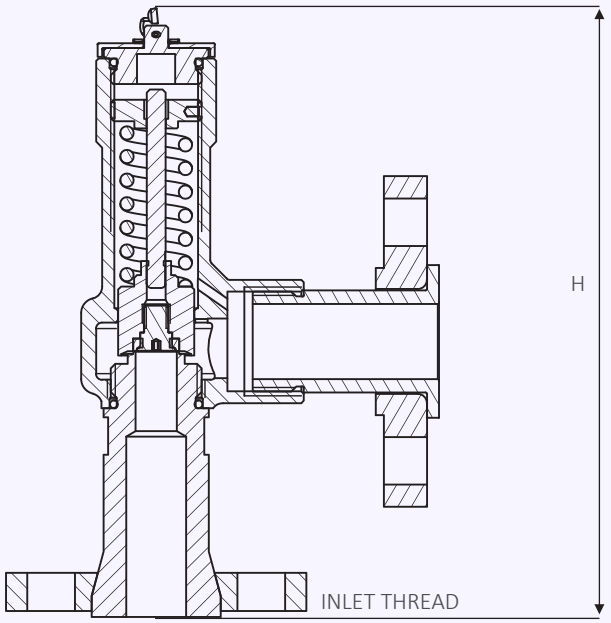


Technical information by bore size

Bore size	13.7mm	
Inlet Size	DN20 (3/4")	DN25 (1")
Outlet Size	DN25 (1")	
Flow Area	147.4mm²	
H - Height (Sealed cap version)	197mm (up to 35 bar) 226mm (35-49 bar)	
TÜV alloted outflow coefficient	0.71	
NB Certified rated slope (ASME)	3.47 scfm/psia	
Weight (approximate) Kg	3.2	
Set Pressure range - PED (CE) bar	0.32 to 49.0	
Set Pressure range - ASME (UV) psi	20.3 to 710.5	
Relieving pressure/fully open pressure	Set pressure +10% (0.3 bar below 1.4 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.

Valve Drawing



Standard Thread Connection Types

- DIN EN1092 Flange PN16, PN25 or PN40
- ASME Flange CL150, CL300 or CL600

Standard Outlet Connection Types

- DIN EN1092 Flange PN16, PN25 or PN40
- ASME Flange CL150, CL300 or CL600

Valve Selection Guide

Approval Required	Valve type	Inlet Size	Inlet Flange Type	Outlet Flange Type	Easing Gear	Seal Material
PED (CE)	64613	Select inlet size from above table	Select Inlet flange type	Select Outlet flange type	Select easing gear/top fitting	Viton® (FKM)
PED (CE), ASME (UV) & CRN	64113					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	PED, ASME & CRN	64113	DN20	DIN EN1092 Flange PN16	DIN EN1092 Flange PN16	Sealed Cap	Viton	3.5 bar
	Approval	Valve Type	Inlet Size	Inlet Flange Type	Outlet Flange Type	Easing Gear	Seal	Set Pressure

Capacity Table - In accordance with TÜV, AIR at 0°C and 1013mbar. Normal m³/hour

Type 64613: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)
		13.7mm
bar	psi	Nm³/Hour
0.32	4.64	114.2
0.48	6.96	124.5
1	14.5	164.9
2	29	229.1
3	43.5	307.5
4	58	385.9
5	72.5	464.3
5.65	81.93	515.3
6	87	542.7
7	101.5	621.2
8	116	699.6
9	130.5	778.0
10	145	856.4
15	217.5	1248.5
20	290	1640.6
25	362.5	2032.7
30	435	2424.8
35	507.5	2816.9
40	580	3209.0
45	652.5	3601.1
49	710.5	3914.8

For any intermediate pressures/flows please contact Seetru

Capacity Table - In accordance with ASME BPVC.XIII, AIR at 60°F and 14.7 psia/scfm. SCFM

Type 64113: Flow rates at 10% above the set pressure

Set Pressure		Bore Size (D0)
		13.7mm
psi	bar	SCFM
20.3	1.40	131.9
22.5	2.50	139.4
30	2.07	165.5
34.8	2.80	183.8
40	2.76	203.7
43.5	3.00	217.0
50	3.45	241.8
82	5.66	363.9
100	6.90	432.6
150	10.34	623.4
200	13.79	814.2
250	17.24	1005.0
300	20.69	1195.8
350	24.14	1386.6
400	27.59	1577.4
435	30.00	1711.0
450	31.03	1768.2
500	34.48	1959.0
507.5	35.00	1987.6
550	37.93	2149.8
600	41.38	2340.6
650	44.83	2531.4
700	48.28	2722.2
710.5	49.00	2762.3

For any intermediate pressures/flows please contact Seetru

SAFETY RELIEF VALVES

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Seetru's range of safety relief valves with ASME BPVC VIII.1 & XIII (UV) and CRN approval

Last updated January 2024 – subject to change as more valve types get approved