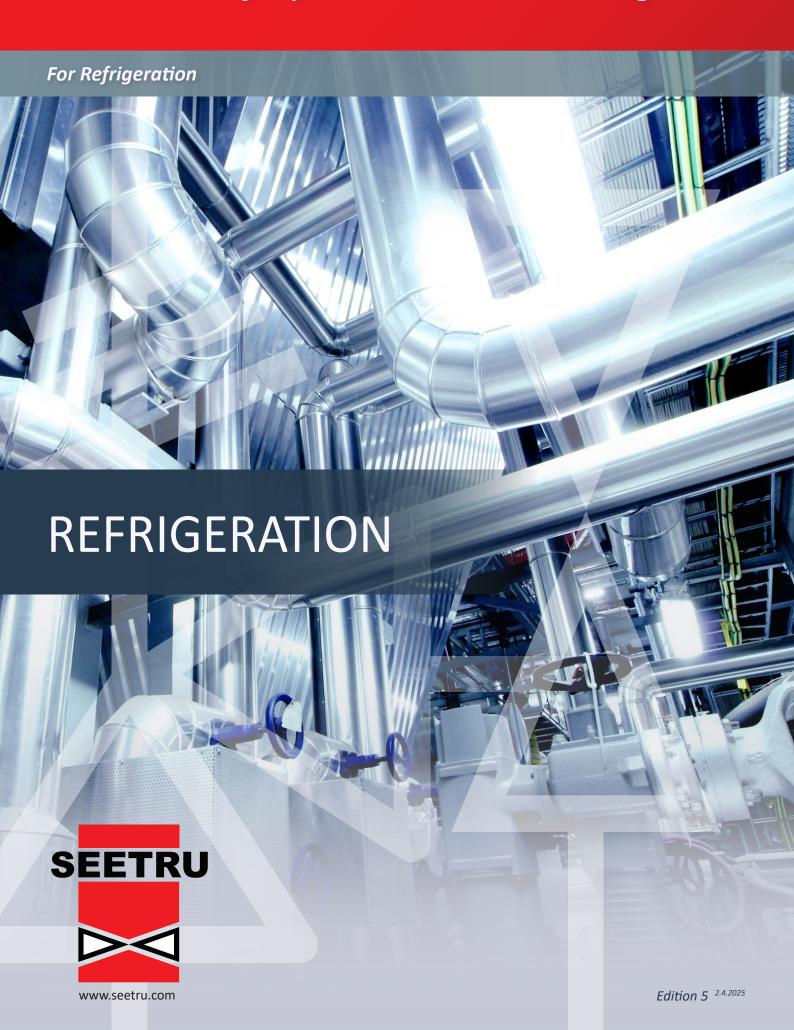
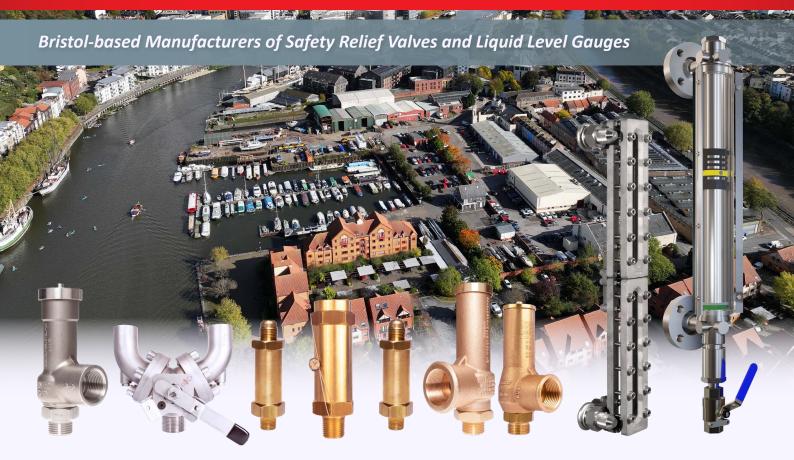
Seetru Safety Valves & Level Gauges



Seetru Limited



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. Seetru products are fully compliant with the requirements of the UK Pressure Equipment (Safety) Regulations and come with the UKCA mark.

CE LA B GEN [

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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636 / 631	Enclosed Discharge Safety Valve Threaded connections	Bronze body with bonded elastomer sealing	7.0 to 55.2 bar g (depending on bore size)	10mm, 13mm or 18mm Nominal Bore For use with refrigerant gases including CO2	<u>11-13</u>
646 / 641	Enclosed Discharge Safety Valve Threaded connections	Stainless steel construction with bonded elastomer sealing	7.0 to 55.2 bar g (depending on bore size)	10mm, 13mm or 18mm Nominal Bore For use with refrigerant gases including CO2 and Ammonia.	<u>14-16</u>
346 / 356	Enclosed Discharge Safety Valve Threaded connections	Bronze or Stainless steel construction with PTFE sealing	0.83 to 30.76 bar g	10mm Nominal Bore For CO2 or Ammonia Refrigeration	<u>17-19</u>
329	Enclosed Discharge Safety Valve Threaded connections	Bronze or Stainless steel construction with PTFE or PPS sealing	53.0 to 370.0 bar g	6mm Bore For CO2 or Ammonia Refrigeration	20-22
946 Flanged	Enclosed Discharge Safety Valve Flanged connections	Stainless steel construction with metal to metal sealing	0.3 to 28.0 bar g	10mm or 15mm Nominal Bore For Ammonia Refrigeration	<u>23-25</u>
COV10	Change Over Valve	Stainless steel construction with PTFE sealing	For Safety valves with set pressure up to 75.0 bar g	Suitable for Safety Relief Valves with up to 10mm bore (Full Lift Type)	<u>26-28</u>
COV13	Change Over Valve	Stainless steel construction with PTFE or Elastomer sealing	For Safety valves with set pressure up to 65.0 bar g	Suitable for Safety Relief Valves with up to 10mm bore (Full Lift Type)	<u>26-28</u>
COV30	Change Over Valve	Stainless steel construction with PTFE sealing	For Safety valves with set pressure up to 100.0 bar g	Suitable for Safety Relief Valves with up to 18mm bore (Full Lift Type)	<u>26-28</u>
G33	Liquid Level Gauge – Reflex glass design	Stainless steel column with brass or mild steel valve units	For Safety valves with set pressure up to 100.0 bar g	Level gauge for refrigeration applications	<u>29-30</u>
G35	Liquid Level Gauge – Magnetic design	Stainless steel construction	Maximum pressure: 25 bar g	Level gauge for refrigeration applications	<u>31-34</u>





qualified engineers. We combine cutting-edge innovation with unparalleled expertise to deliver the industry's most reliable and advanced safety relief valves.

Our team boasts a unique blend of academic excellence and real-world experience. Many of our engineers hold PhDs and are Chartered Engineers, signifying their commitment to ongoing professional development and adherence to the highest engineering standards.



Seetru Safety Relief Valves



Setting the Standard

Seetru safety valves set the standard for reliability and safety across a wide range of industrial applications



Engineered for Every Need

Safety valves available with a range of bore sizes, material options, and connection types.



Performance Approved

The Seetru range of safety valves are approved for a wide range of temperatures & pressures



Powerful Protection ... In the Palm of Your Hand



Seetru Liquid Level Gauges 'See' the 'Tru' level







Accurate liquid level monitoring is crucial

Whether you're navigating the high seas or managing critical industrial processes. Seetru offers a comprehensive range of liquid-level gauges and indicators designed for precise, reliable measurement in diverse applications.

Confidently navigate the complexities of liquid level monitoring with Seetru's comprehensive range of gauges and indicators. Engineered for exactitude and reliability, our instruments empower you across diverse applications, from the open seas to industrial heartlands.

www.seetru.com/products-sector/liquid-level-gauges





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



- 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



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.



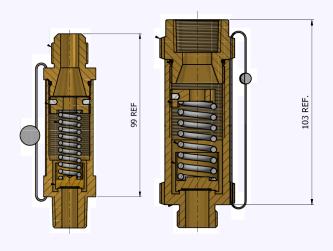
Technical information by bore size



Valve drawing



Bore size	9.5		13.08	8mm
Inlet Size	3/8"	1/2"	1/2"	7/8" (UNF)
Outlet Size	1/2" or 5	/8" Flare	3/4" NP	Γ Female
Flow Area	71n	nm²	134.4	lmm²
H - Height	99r	nm	103mm	
TÜV alloted outflow coefficient	0.485		0.71	
NB Certified rated slope (ASME)	1.04 sc	fm/psia	3.47 scfm/psia	
Weight (approximate) Kg	0	.8	1.3	
Set Pressure range - PED (CE) bar	13.5 t	o 50.0	16.2 t	o 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.

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)	Calaathanasia	Calaakiulakaisa	Calaat lulat thuas d	Calaat Outlat	Dan floor also to occur
PED (CE), ASME (UV) & CRN	Select bore size from above table	Select inlet size from above table	Select Inlet thread type	Select Outlet thread type	Perfluroelastomer (FFKM)

EAC marking available upon request

Example of Valve Selection Process



Example Selection	CE/PED, ASME/UV & CRN	9.5	1/2"			FFKM	16.2 bar/ 235 psi
	Approval	Bore = 9.5mm	Inlet Size	Inlet Thread Type	Outlet	Seal	Set Pressure



^{*}Please send your selected details to Seetru and we can provide the full ordering code, price and lead-time.

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 refrigeration

Safety valves with bronze body <

Seetru Limited

Enclosed discharge valve with threaded connections <

Type 636 / 631

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



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	0.77			0.77			0.77		
NB Certified rated slope (ASME)	1	74 scfm/ps	ia	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	е			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

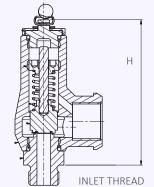


- BSP Parallel male thread
- BSP Taper male thread
- NPT male thread

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	Calaathanasiaa	Calaakiulakaisa	Calack Index None and	Calact Outlet	Carlad Carria Na	David
PED (CE), ASME (UV) & CRN	631	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)

EAC marking available upon request

Example of Valve Selection Process



Example	CE/PED, ASME/UV & CRN			3/4"			Sealed Cap	FFKM		
Selection	Approval	Valve Type	Bore = 9.5mm	Inlet Size	Inlet Thread Type	Outlet Thread Type	Easing Gear	Seal	Set Pressure	



^{*}Please send your selected details to Seetru and we can provide the full ordering code, price and lead-time.

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)	Bore Size (D0)						
		9.5mm	13.7mm	17mm					
bar	psi	Nm³∕Hour	Nm³/Hour	Nm³/Hour					
7	101.5	323.9	673.6	1037.3					
8	116	364.8	758.7	1168.2					
9	130.5	405.7	843.7	1299.2					
10	145	446.6	928.8	1430.2					
15	217.5	651.1	1354.0	2084.9					
20	290	855.6	1779.3	2739.7					
25	362.5	1060.0	2204.5	3394.4					
30	435	1264.5	2629.7	4049.2					
35	507.5	1468.9	3054.9	4703.9					
40	580	1673.4	3480.2						
45	652.5	1877.9	3905.4						
49	710.5	2041.5	4245.6						
50	725	2082.4							
55.2	800.4	2295.0							

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

Cat Duagessus	⊼	Bore Size (D0)				
Set Pressure		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)

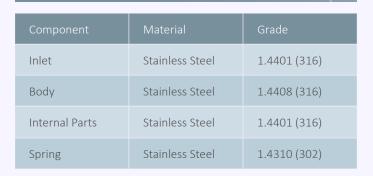


Approvals

- 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



Materials of Construction



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	0.77			0.77			0.77		0.77		0.77		
NB Certified rated slope (ASME)	1	74 scfm/ps	ia	3	.47 scfm/psi	a	5	.60 scfm/psi	а				
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.

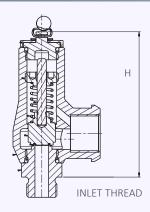
Standard INLET Thread Connection Types

- 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	Calaathanasiaa	Calaakinlakaisa	Calack Index Managad	Calact Outlet	Carlad Carria Na	David
PED (CE), ASME (UV) & CRN	641	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)

EAC marking available upon request

Example of Valve Selection Process

Example	CE/PED, ASME/UV & CRN	641	9.5	3/4"	NPT	NPT	Sealed Cap	FFKM	16.2 bar
Selection	Approval	Valve Type	Bore = 9.5mm	Inlet Size	Inlet Thread Type	Outlet Thread Type	Easing Gear	Seal	Set Pressure



^{*}Please send your selected details to Seetru and we can provide the full ordering code, price and lead-time.

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)	Bore Size (D0)					
Set Flessule	Set i ressure		13.7mm	17mm				
bar	psi	Nm³/Hour	Nm³/Hour	Nm³/Hour				
7	101.5	323.9	673.6	1037.3				
8	116	364.8	758.7	1168.2				
9	130.5	405.7	843.7	1299.2				
10	145	446.6	928.8	1430.2				
15	217.5	651.1	1354.0	2084.9				
20	290	855.6	1779.3	2739.7				
25	362.5	1060.0	2204.5	3394.4				
30	435	1264.5	2629.7	4049.2				
35	507.5	1468.9	3054.9	4703.9				
40	580	1673.4	3480.2					
45	652.5	1877.9	3905.4					
49	710.5	2041.5	4245.6					
50	725	2082.4						
55.2	800.4	2295.0						

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)				
- Set i ressure		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 compressed air or gases

cryogenic & liquefied gas refrigeration

Seetru Limited

Type 346 / 356

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

Example Applications

- Air/Gas systems
- Pressure vessels
- Medical gases
- Technical Gases
- CO2 refrigeration
- Ammonia refrigeration (34610)
- Cryogenic applications
- Liquefied gases

Specifications

Inlet connections: 3/8" to 3/4"

Temperature range:-196°C to +50°C

Pressure range: 0.83 to 30.76 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)
- Materials meet the requirements of BAM for oxygen service.

Materials of Construction

Component	Material	Grade	
Inlet	Stainless Steel	1.4401 (316)	
Body	356 Valve = Bronze	C83600	
	346 Valve = Stainless Steel	1.4408 (316)	
Internal Parts	356 Valve = Brass	BS2874 CZ121	
	346 Valve = Stainless Steel	1.4401 (316)	
Spring	Stainless Steel	1.4310 (302)	

Seal Materials

Seal Material	Temperature Range
PTFE	-196°C to +50°C

Standard seal materials shown, others are available.

Top Fitting Options

- Standard Option Sealed Cap (gas tight cap)



- Other options: Sealed lever (gas tight)





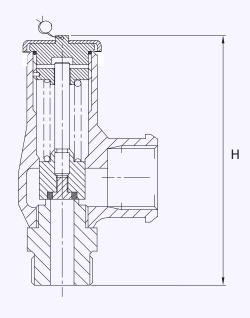
Technical information by bore size



Valve drawing



Bore size	9.5	mm (346	10)	9.5mm (35610)					
Inlet Size	3/8"	1/2"	3/4"	3/8"	1/2"	3/4"			
Outlet Size	3/4" 3/4"								
Flow Area	70.9mm ² 70.9mm ²								
H - Height (Rota-lift cap version)	113mm			99mm			99mm		
TÜV alloted outflow coefficient	(contact	above 1.5 : Seetru fo 1.55 bar)	or below	(contact	above 1.5 Seetru fo 1.55 bar)	or below			
Weight (approximate) Kg	0.7 (3.0 to 30.76 bar)			0.7 (3.0 to 30.76 bar)					
Set Pressure range - PED (CE) bar		0.8		0.8					
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

Valve Selection Guide



Body Material	Valve Type	Select Bore	Inlet Size	Inlet Thread Type	Outlet Thread Type	Easing Gear	Seal Material
Stainless Steel	346	0. 5 000 000	Select inlet size	Select Inlet thread	Select Outlet	Cooled oon	DTEE
Bronze	356	9.5mm	from above table	type	thread type	Sealed cap	PTFE

EAC marking available upon request

Example of Valve Selection Process



Example		356			NPT	NPT	Sealed Cap			
Selection	Body Material	Valve Type	Bore = 9.5mm	Inlet Size	Inlet Thread Type	Outlet Thread Type	Top Fitting	Seal	Set Pressure	



^{*}Please send your selected details to Seetru and we can provide the full ordering code, price and lead-time.

Capacity Table - In accordance with TÜV, AIR at 0°C and 1013mbar. Normal m³/hour Type 346/356: Flow rates at 10% above the set pressure



Cat Duasanus	<u> </u>	Bore Size (D0)					
Set Pressure		9.5mm					
bar	psi	Nm³/Hour					
0.83	12.04	63.8					
1.0	14.50	71.4					
2.0	29.00	119.4					
3.0	43.50	160.3					
4.0	58.00	201.3					
5.0	72.50	242.1					
6.0	87.00	283.0					
7.0	101.50	323.9					
8.0	116.00	364.8					
9.0	130.50	405.7					
10.0	145.00	446.6					
15.0	217.50	651.1					
20.0	290.00	855.5					
25.0	362.50	1060.0					
30.0	435.00	1264.5					
30.76	446.02	1295.6					

For any intermediate pressures/flows please contact Seetru



Enclosed Discharge Safety Relief Valves

for compressed air or gases

cryogenic & liquefied gas refrigeration

Seetru Limited

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

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)



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



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



Valve drawing

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	S	et pressure +10	%		
Reseating pressure	S	et pressure -15	%		

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

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



	Body Material		Select Bore	Inlet Size		Outlet Thread Type	Easing Gear	Seal Material
PED (CE)		PED (CE)		Select inlet size	Calastinlat	Calact Outlan		
329	Bronze	PED (CE), ASME (UV, NB), CRN	6mm	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



Н

Example		329	PED (CE)				NPT	Sealed Cap	PTFE	
Selection	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



Cat Danasana		Bore Size (D0)		
Set Pressure	Set Pressure			
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

Cat Duanassus		Bore Size (D0)		
Set Pressure		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 | cryogenic & liquefied gas | steam | refrigeration

hydrogen

Seetru Limited

Type 946 Flanged

Safety valves made from Stainless Steel < Enclosed discharge valve with flanged connections < Metal to metal sealing <

Example Applications

- Air / gas compressors
- Pressure vessels
- Medical gases/Technical gases
- Refrigeration (including ammonia)
- Thermal relief
- Steam systems
- Hydrogen

Specifications

- Inlet connections: DN15 (1/2), DN20 (3/4") or DN25 (1") flange – DIN EN1092 and ANSI flanges are available
- Temperature range: -196°C to +250°C (depending on body o'ring material)
- Pressure range: 0.3 to 28.0 bar



Component	Material	Grade
Inlet & Outlet Flanges	Stainless Steel	1.4401 (316)
Body	Stainless Steel	1.4408 (316)
Internal Parts	Stainless Steel	1.4401 (316)
Spring	Stainless Steel	1.4310 (302)
Disc	Stainless Steel	S20910



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)
- Leak tightness at 90% set pressure to API 527 and in accordance with EN ISO 4126-1

C€ HR FAI

Seal Materials

O'ring material – Top cap	Temperature Range
Viton® (FKM)	-20°C to +200°C
Nitrile (NBR)	-20°C to +120°C
Silicone	-50°C to +200°C
EPDM	-55°C to +130°C
PTFE	-196°C to +200°C

Standard seal materials shown, others are available.

Easing Gear / Lifting Gear / Top Fitting Options

Sealed Cap (Gas Tight Cap)

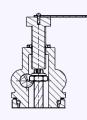


Sealed lever (Gas Tight)



Sealed lever (With Test Gag)

A test gag is used to prevent the valve from opening at the set pressure during hydraulic testing when commissioning a system. Once tested, the gag screw is removed and replaced with a short blanking plug before the valve is place in service.







Technical information by bore size



Bore size	10	10mm (94610)		15mm (94615)
Inlet Size	DN15 DN20 DN25 (1/2") (3/4") (1")			DN25 (1")
Outlet Size		DN25 (1") DN40 (1 1/2")		DN40 (1 1/2")
Flow Area		78.5mm ² 177mm ²		
H - Height (Sealed Lever version)	200mm 253mm		253mm	
TÜV alloted outflow coefficient	0.85 (0.7 below 0.8 bar) 0.85 (0.7 below 0.8		0.85 (0.7 below 0.8 bar)	
Weight (approximate) Kg	3.0 5.3		5.3	
Set Pressure range - PED (CE) bar	0.3 to 28.0 0.3 to 28.0		0.3 to 28.0	
Relieving pressure/fully open pressure	Set pressure +10% (0.1 bar below 1.0 bar)			
Deceating procesure	Set pressure -10%			ure -10%

- TÜV alloted outflow coefficients for pressures above 3.0 bar, for lower pressures please see the flow rate tables or contact Seetru.
- 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.
- Leak tightness at 90% set pressure to API 527 and in accordance with EN ISO 4126-1.

Standard INLET Connection Types



(0.3 bar below 3.0 bar)

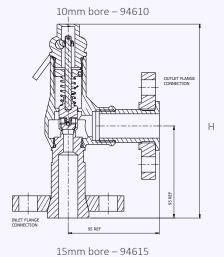
- DIN EN1092 Flange PN16, PN25 or PN40
- ASME Flange CL150, CL300 or CL600

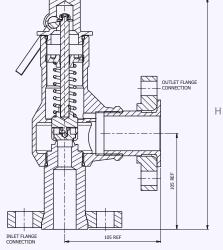
Standard OUTLET Connection Types



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

Valve Drawing



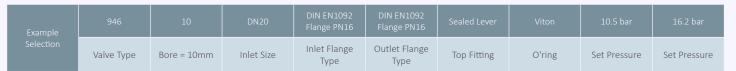


Valve Selection Guide

Valve type	Select Bore	Inlet Size	Inlet Flange Type	Outlet Flange Type	Easing Gear	O'ring material (for cap)
946	Select bore size from above table	Select inlet size from above table	Select Inlet Flange type	Select Outlet Flange type	Select easing gear/top fitting	See table

EAC marking available upon request

Example of Valve Selection Process





^{*}Please send your selected details to Seetru and we can provide the full ordering code, price and lead-time.

Capacity Table - In accordance with TÜV, AIR at 0°C and 1013mbar. Normal m³/hour Type 946: Flow rates at 10% above the set pressure



Set Pressure		Bore Size (D0)	Bore Size (D0)			
		10mm	15mm			
bar	psi	Nm³/Hour	Nm³/Hour			
0.3	4.35	48.5	109.2			
0.5	7.25	59.0	132.9			
1	14.5	96.1	216.2			
2	29	146.1	328.7			
3	43.5	196.1	441.3			
4	58	246.1	553.8			
5	72.5	296.1	666.4			
6	87.00	346.2	778.9			
7	101.5	396.2	891.4			
8	116	446.2	1004.0			
9	130.5	496.2	1116.5			
10	145	546.7	1229.1			
15	217.5	796.3	1791.8			
20	290	1046.4	2354.6			
25	362.5	1296.5	2917.3			
28	406	1446.6	3254.9			

For any intermediate pressures/flows please contact Seetru

Capacity Table - In accordance with TÜV, STEAM. Kg/hour Type 946: Flow rates at 10% above the set pressure



		Bore Size (D0)	re Size (D0)			
Set Pressure	Set Pressure		15mm			
bar	psi	Kg/hour of Steam	Kg/hour of Steam			
0.3	4.35	37.6	84.5			
0.5	7.25	46.6	104.8			
1	14.5	76.6	172.5			
2	29	115.1	259.0			
3	43.5	153.2	344.6			
4	58	190.9	429.7			
5	72.5	228.6	514.3			
6	87.00	266.1	598.6			
7	101.5	303.4	682.6			
8	116	340.6	766.5			
9	130.5	377.9	850.4			
10	145	415.1	933.9			
15	217.5	600.3	1350.7			
20	290	785.4	1767.2			
25	362.5	970.5	2183.7			
28	406	1081.9	2434.4			

For any intermediate pressures/flows please contact Seetru



Change-Over Valves

Seetru Limited

for compressed air or gases

cryogenic & liquefied gas

refrigeration

hydrogen

COV10 / COV13 / COV30

Solutions for plant and process efficiency

Change-over valves (sometimes referred to as selector valves or three-way valves) enables the switching of flow from one safety valve to another. Typically used where plant shutdown is impossible or undesirable for process, engineering or commercial reasons. With change-over valves it is possible to switch over between parallel safety valves without interrupting operation, so that maintenance work can be carried out on each safety valve in turn. Seetru change-over valves in combination with our safety valves provide the best solution for plant safety and efficiency. Seetru products are widely recognised for their exceptional quality and reliability.

Features



Fluid Mahcanics





Specifications: COV10

System Connections	½" to 1" BSP, BSPT & NPT	
Valve Connectiond	½" NPT or 3/4" BSP (with or without orientators)	
Change-Over Valve Kv	10.0 (Cv= 11.5)	
Materials of Construction	Stainless Steel	
Seat Materials	25% Carbon filled P.T.F.E.	
Temperature Range	-196°C to +200°C	
Max Design Pressure	75 bar	
Material Certifiation	BS EN ISO10204 3.1 Pressure Retaining Parts (Optional Extra)	
Safety Valve Orifice Size	Up to 10mm (Full Lift Type)	
Maximum Safety Valve Set Pressure	75 bar	

Specifications: COV13

System Connections	Please contact Seetru for information	
Valve Connections	Please contact Seetru for information	Wilson A Wilson St. Wilson St. Wilson St. Wilson St.
Materials of Construction	Stainless Steel with Mild Steel or Stainless Steel Internals	
Seat Materials	Elastomer P.T.F.E	Contract of the Contract of th
Maxium Safety valve Set Pressure	65.0 bar	
Temperature Range	-30 °C to 200 °C (subject to seal material)	

Specifications: COV30

System Connections	1" to 1-1/2" BSP, BSPT, NPT, CL150 to CL600 & PN16 to PN100
Valve Connections	¾" to 1" BSP, BSPT, NPT (with or without orientators), CL150 to CL600 & PN16 to PN100
Change-Over Valve Kv	30
Materials of Construction	CF8M/316/1.4401
Seat Materials	25% Carbon filled P.T.F.E.
Temperature Range	-196°C to +200°C
Max Design Pressure	CL600 or PN100
Material Certifiation	BS EN ISO10204 3.1 Pressure Retaining Parts (Optional Extra)
Safety Valve Orifice Size	Up to 18mm (Full Lift Type)
Maximum Safety Valve Set Pressure	100 bar



Operation Instructions: COV10 / COV30

1	Unlock handle if locking device fitted (recommended).
2	Starting in a motion away from the duty SRV, rotate handle through 180° (COV10) or 120° (COV10), either clockwise or anticlockwise dependent uponstart starting position.
3	Once fully rotated, lock in position if locking device fitted (recommended).
4	If the now standby SRV is to be remove: with caution, un-tighten vent nut of standby Change-over arm by $1\ \text{to}\ 2$ revolutions to exhaust trapped fluid from change-over arm.
5	Once trapped fluid has de-pressurised, re-tighten vent plug with a tightening torque of 3.0 Nm.
6	Remove the standby SRV.
7	The user may plug the vacant outlet if desired, however sufficient safety procedures (for example Lock out Tag out) must be in place to prevent inadv inadvertent change over, thus rendering the system un-protected against excessive pressure. If the outlet is plugged, vent arm of pressure, as previously described, prior to removal.





Fittings, Adaptors and Connections



- The Seetru COV10 and COV30 Change-Over Valves can be supplied with a range of fittings and adaptors to provide compatibility with a large variety of systems.
- The COV30 is also available with flanged connections (A or PN).



Refrigerants

Type G33 Refrigeration Reflex Gauge

The G33 Refrigeration Reflex Gauge is a heavy duty (flat glass) liquid level gauge, suitable for refrigeration liquids. The modular design is made up of compact and robust standard stainless steel precision cast elements.

Refrigerant industry isolating valves are available in a number of flexible configurations offering end mounted, side mounted, rear entry connections, with full centre to centre visibility can be secured with minimum overall length.

Example Applications

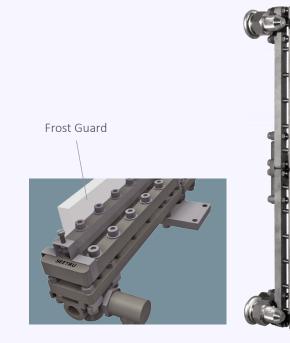
- Refrigeration chillers
- Refrigeration vessels
- Industrial refrigeration
- Ammonia refrigeration

Specifications

- Maximum working pressure:25 bar (depending on temperature and flanges)
- Maximum Operating Temperature: 100°C
- Minimum Operating Temperature: 0°C (without frost guard)
- For temperatures below 0°C to -30°C a frost guard is required
- Maximum Centre Distance: To suit requirements, gauges built in sections using No. 6 and No. 9 Reflex glass
- Minimum Centre Distance 216mm (rear mounted/side mounted), 348mm (straight mounted)

Materials of Construction

Component	Material
Valve Units	Plated Mild Steel or Stainless Steel
Gauge Chamber	Stainless Steel
Glass	Borosilicate Reflex Glass BS3463
Glass To Chamber Seal	Asbestos Free Gasket
Valve O-ring Material	Elastomer Rubber - Choice of Materials



Seal Materials

Seal Material	Temperature Range
Nitrile (NBR)	Up to 100°C
Viton (FKM)	Up to 100°C
EPDM	Up to 100°C
Neoprene	Up to 100°C

Other seal materials available upon request.

Connection Options

Туре	Size
Threaded Connections	BSP thread 1/2" or 3/4"
	NPT thread 1/2" or 3/4"

Other connections available upon request.



Design:

Design:

The G33 Reflex gauge is a heavy duty (flat glass) liquid level gauge, suitable for refrigeration applications. The modular design is made up of compact and robust standard stainless steel precision cast elements and uses No. 6 and No. 9 size Reflex glass.

The isolation valves are manual screw down valves with auto shut-off valves.

Column arrangements:

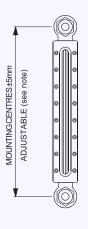
The Reflex gauge is available with either a straight or staggered column, and a choice of valve positions, to provide uninterrupted centre to centre liquid level indication. With the use of extension pieces most centre to centre distance requirements can be achieved.

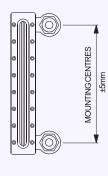
Graduation:

Where a measure of the precise storage volume is required an engraved scale plate can be provided marked with the capacity units.

Inline Column Options:

Ball valves with Threaded Connections:





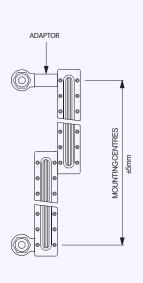
ISOLATING VALVES SIDE MOUNTED (EQUAL TO LENGTH OF VISION)

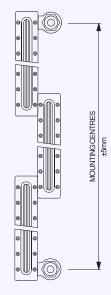
STRAIGHT MOUNTED

SIDE MOUNTED

Offset Column Options:

Provides uninterrupted viewing over the entire mounting centres.





STRAIGHT MOUNTED

SIDE MOUNTED



Liquid Level Contents Gauges

General Industry | Chemcial | Shipbuilding & Offshore

Seetru Limited

G35 Seemag Magnetic Gauge

The Seetru Seemag® tank content indicator or gauge is a high quality yet economical magnetic level indicator. Its unique design offers considerable advantages over conventional magnetic gauges including accurate step-less reading with all round visibility and the option of high/low level alarms with remote digital reading.

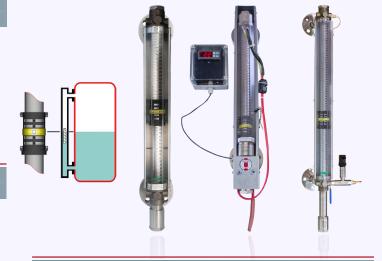
The gauge utilises a marker strip on a movable carriage fitted on the outside of a stainless steel tube, which by way of magnets moves up and down in unison with a float inside the tube. The marker strip is adjustable to suit the specific gravity of the liquid to be measured.

Example Applications

- Diesel
- Heavy fuel oil (heating may be required)
- Lubrication oil
- Water
- Coolant
- Chemicals

Specifications

- Maximum Operating Temperature: 180°C
- Minimum Centre Distance: 450mm, Maximum Centre Distance: 5000mm
- Specific gravity: 0.7 1.3 (using different floats)
- Maximum kinematic viscosity: 40mm²/s (Indicator is suitable for more viscous fluids if supplied with trace heating)
- Maximum Working Pressure:
 - 22 bar for industrial applications
 - 18 bar for marine applications



Approvals

- Det Norske Veritas (DNVGL),
- Lloyds Register of Shipping (LR)
- American Bureau of Shipping (ABS)
- *Meets the requirements of SOLAS (Safety of Lives at Sea)*

Materials of Construction

Component	Material
By-Pass Tube	Stainless Steel 316
Front Guard	Polycarbonate
Rear Guard	Aluminium Alloy
Collars & Connections	Stainless Steel 316
Float	Stainless Steel 316
Level Indicator & Follower	Polypropylene & Nylon

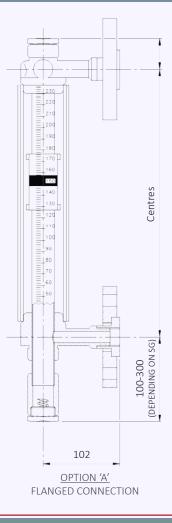
- Isolation ball valves are available upon request.
- Drain & vent valves available upon request.
- Graduation A clear scale is included on the front guard, marked in mm and cm.

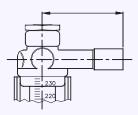
Connection Options

Туре	Size	
Flanged Connections	DN15, DN20, DN25, DN32, DN40 or DN50 PN16 or PN40 DIN Flanges	
	1/2", 3/4", 1", 1 1/2" or 2" #150 or #300 ANSI Flanges	
Threaded Connections	1/2", 3/4", 1" BSP Thread	
	1/2", 3/4" or 1" NPT Thread	
Non-Weld Boss	30mm OD Stub Pipe (other sizes may be available upon request)	

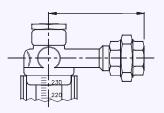


Design:

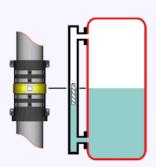




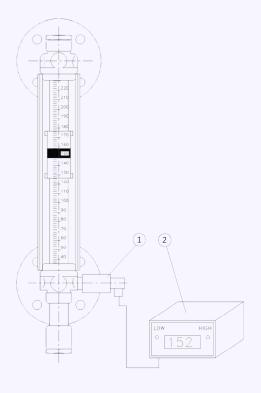
<u>OPTION 'B'</u> STUB PIPE FOR WELDING MINIMUM O/D 20mm



OPTION 'C' UNION CONNECTIONS * DEPENDING ON CONNECTION SIZE



Options: Pressure Transmitter and Digital Readout



Pressure Transmitter

[Marine & intrinsically safe versions available]

Standard pressure transmitter should only be used on atmospheric tanks. Differential pressure transmitter to be used on pressurised tanks.

The pressure transmitter works independently from the Seemag and can be used for continuous reading and switching points.

Output signal: 4-20mA Supply voltage: 12-28 Vdc Operating temperature range:

Ambient:-25 +85°C Fluid:-25 +100°C

Digital Readout (Optional)

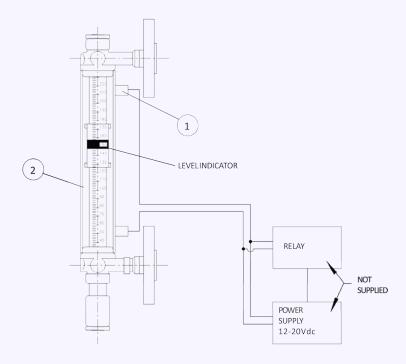
Digital linearised panel meter which requires a DC current. This unit usually operates with an analogue pressure transducer. High & low switching points incorporated within panel meter.

Transmitter input: 4-20mA Power supply: 240Vac 50Hz

Internal supply: 24V to power transmitter Environmental: Operating temp. 0-50°C



Options: Magnetic Level Switches (High/Low Switches)



SWITCHING OPERATION

Level switches are of a magnetic hall effect design. Switches are operated when the magnet in the base of the level indicator passes the switch, in either direction, causing it to be in one or the other state.

A power supply and relay are required to operate the switches (not supplied). Relays can then be terminated to pumps, alarms, switches or to a PC interface.

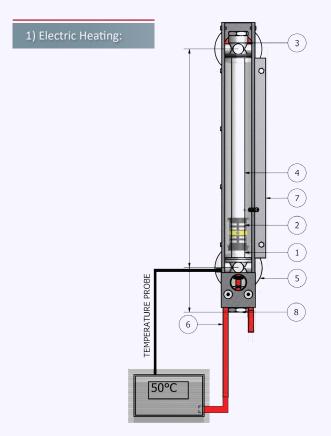
Switches are attached to rear guard tube and can be moved up or down to suit the required switching point.

Two switches are shown, but any number can be supplied.

TECHNICAL SPECIFICATION

Switches require a 12-20 VDC supply and suitable relay. For suggested supply and relay combinations, contact Seetru. Max. load current: 250mA
Operating conditions: 0-60°C

Trace Heating: (There are three (3) trace heating options available).



ELECTRIC TRACE HEATING

A continuous loop of 60 W/metre trace heating cable is attached to the rear guard tube of the indicator.

The cable is terminated at one end to a control box which can be used to regulate the temperature in the indicator via a temperature probe.

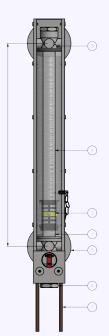
CONTROL BOX

Voltage supply 220-240V With temperature display and probe.



Trace Heating: Continued

2) Steam Heating



STEAM HEATING

 $8 \mathrm{mm}$ O/D Copper tube is attached to the rear guard tube in a continuous loop, from the bottom of the indicator.

The enclosure is then fitted around the indicator to protect the copper tube.

STEAM CAN BE FED THROUGH THE PIPE TO HEAT THE LIQUID IN THE BY-PASS TUBE.

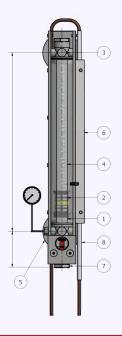
EXAMPLE

Ambient air temperature = 20°C Steam pressure 1.5 bar = 68°C Liquid temperature Steam pressure 3 bar = 85°C Liquid temperature

NOTE

MAXIMUM WORKING TEMPERATURE SHOULD NOT EXCEED 180°C

3) Thermal Oil Heating



THERMAL OIL HEATING

The Thermal heating system comprises of: 8mm O/D copper tube fed around the rear of the gauge, when thermal heating oil is fed through the tube this heats the fluid inside the indicator.

This is all encased in a protective steel enclosure. Fitted with a temperature gauge so the fluid temperature can be monitored.

Bottom connection dimensions:

MATRIX 5TH DIGIT	S.G	BOTTOM CAP (A)	BOTTOM DRAIN & CAP (B)
1	0.7 - 0.8	301mm	389mm
2	0.8 - 0.9	202mm	290mm
3	0.9 - 1.1	136mm	224mm
4	1.1 - 1.3	103mm	191mm





Safety Relief Valves

Seetru safety relief valves are known for their reliability, performance, and safety. These valves are manufactured in bronze, brass, or stainless steel and offer a wide range of connections, for applications up to 250 °C

Pressure & Temperature Valves

The Seetru P3W Pressure & Temperature relief valve provides protection against both excess temperature as well as over pressurisation. Each of the lift mechanisms will work independently of each other. The valve is designed to be used in hot water boiler applications.

Pressure Reducing Valves

Alongside our own manufactured items, Seetru also offers a range of pressure-regulating valves, pressure-reducing valves, and overflow valves. They are mainly used in industrial plants, plant engineering, and process engineering. Pressure-reducing valves can be supplied with flanges, weld ends, or threaded connections.

Change-Over Valves

Change-over valves are critical components in various industrial applications, enabling seamless switching between fluid sources or flow paths. Typically used where plant shut-down is impossible or undesirable for process, engineering, or commercial reasons.

Auxiliary Valves

From preventing backflow with check valves to guaranteeing precise pressure with minimum pressure valves, each compact valve plays a vital role. Air start valves deliver rapid pressure bursts while isolating valves segment flow for maintenance.

Testing Equipment

The Seetru Quicktester™ is compact, lightweight, and portable design is very robust and able to meet the demands of a busy maintenance workshop or mobile operation. he Quicktester™ can be used with plant-generated air supplies or with mobile bottled gas.

Liquid Level Gauges

Accurate liquid level monitoring is crucial, whether you're navigating the high seas or managing critical industrial processes. Seetru offers a comprehensive range of liquid-level gauges and indicators designed for precise, reliable measurement in diverse applications.

Circular Window Sight Glasses

Seetru circular window sight glasses are compact low-cost assemblies that provide reliable level indication and positive indication when liquid is present. These screw-in plugs are fitted with high-quality glass.

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