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*

for Liquid, Gas, and Steam Applications

LGS SAFETY RELIEF VALVES

SeetruLimited
That's Safety!

Edition 4 (18.1.2024)

Seetru Limited

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.

Seetru Limited

LGS® Safety Relief Valves
for Liquid, Gas & Steam Applications

Overview

The Seetru LGS® Multi-Purpose Safety Relief Valve range represents state-of-the-art design with dual guided spindle as well as the Seetru Rock-Seal™ seal technology for repeatable high performance sealing. It is a high quality valve of modular design and construction incorporating the Seetru proprietary compact design technology – providing a highly cost-effective range of valve solutions. LGS® valves have a robust and reliable construction designed for the widest range of industrial applications. The LGS®range is suitable for a wide variation in flow characteristics, coping with both low volume and high relief capacity applications. The single trim design means that the components are all common across liquid, gas and steam; and that any LGS® valve can be used in any of these applications.

Valve Types

- LGS Safety Relief Valves: Equal inlet & outlet connections - Pages 4 & 5
- LGS HI-FLOW Safety Relief Valves: Larger outlet connections to enable larger flow - Pages 6 & 7

Made In The UK

- Cast materials: 100% EU Foundry
- Bar Materials: 100% sourced from within the EU
- PTFE Seals: 100% UK
- Supply Chain: Fully ISO9000 approved by EU domiciled notified bodies
- ALL Machining: Seetru Factory, Bristol, England.
- ALL Assembly & Testing: Seetru Factory, Bristol, England.
- ALL product research and development carried out by Seetru's own
- R&D department in the UK

Same Day Despatch

To qualify for our same day despatch service you must place your order before 2pm on a Seetru business day, the total quantity of products (excluding spares) ordered must not exceed 8 otherwise a longer lead-time will apply. For large order quantities we suggest contacting us for a more accurate delivery schedule.

Please refer to our terms and conditions of sale for further details.

LGS® Safety Relief Valves

for liquid | *hot water* | *compressed air & gas* | *steam*

Seetru Limited

LGS®

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

Example Applications

- Hot water, including boilers (vented and unvented)
- Steam boilers and steam plants
- Pump and thermal relief
- Bypass relief
- Process liquids and gases
- Pressure vessels and lines
- Heating and cooling systems
- Heat exchangers and industrial cooling systems
- Refrigeration systems
- Pressure booster systems
- Solar power systems
- District heating systems

Specifications

- Size range: DN15 to DN65
  (1/2" to 2 1/2" BSP female connections)
- Temperature: -60°C to +200°C
  (with PTFE seals (EPDM-45°C to +140°C)
- Pressure range: 0.2 to 24 bar (depending on seal and duty)

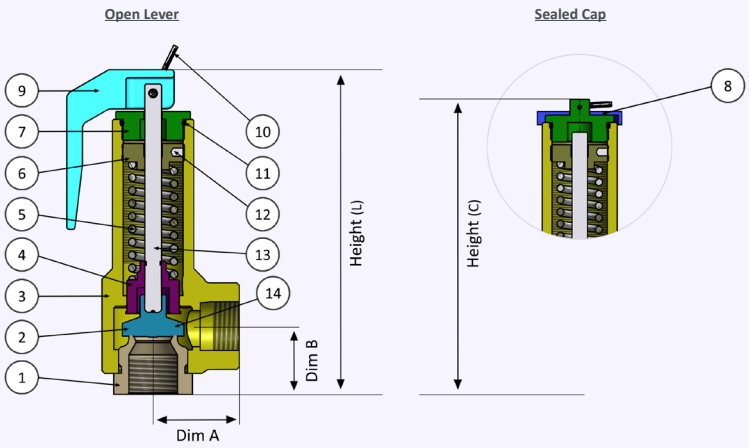
Approvals

- Designed in accordance with BS EN ISO-4126-1 &-7
- PED 2014/68/EU (CE)
- PE(S)R UK SI 2016 No. 1105 (UKCA)
- EAC
- WRAS
- KUKReg 4

Materials of Construction

	COMPONENT	MATERIAL
1	Seat	Dezincification Resistant Material
2	Lift Aid Assembly	Dezincification Resistant Material
3	Body	Bronze CC491K / C83600
4	Piston	Dezincification Resistant Material
5	Spring	Steel 1.4401
6	Adjuster	Brass
7	Cap	Brass
8	Cover	Brass
9	Lever	Brass
10	Wire Lock	Steel & Lead
11	O-Ring	EPDM
12	Locking Slug	Nylon
13	Spindle	Stainless Steel
14	Seal	PTFE or EPDM

Valve Drawing

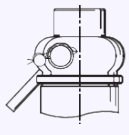


Dimensions

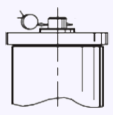
Size (Inlet x Outlet)	Dim A mm (inches)	Dim B mm (inches)	Height (L) mm (inches)	Height (C) mm (inches)
DN15 (½")	33.0 (1.29)	26.0 (1.02)	124.0 (4.88)	114.5 (4.51)
DN20 (¾")	37.0 (1.46)	32.0 (1.26)	130.0 (5.12)	120.5 (4.74)
DN25 (1")	42.0 (1.65)	37.0 (1.46)	156.0 (6.14)	146.5 (5.77)
DN32 (1 ¼")	50.0 (1.97)	42.0 (1.65)	174.0 (6.85)	164.5 (6.48)
DN40 (1 ½")	59.0 (2.32)	50.0 (1.97)	222.5 (8.76))	211.5 (8.33)
DN50 (2")	69.0 (2.72)	59.0 (2.32)	256.5 (9.70)	246.5 (9.70)
DN65 (2 ½")	78.0 (3.07)	83.5 (3.28)	320 (12.60)	310 (12.20)

Easing Gear / Lifting Gear Options

- **Options:**



Sealed lever (gas tight)



Sealed Cap (gas tight cap)

Discharge Capacities

LGS Safety Relief Valves

Discharge capacity for WATER at 10% over-pressure[1,2] — Kdr = 0.26

Valve size	DN In	15mm (½")		20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")		50mm (2")	
	DN Out	15mm (½")		20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")		50mm (2")	
	d_o(mm)	13.5		15		20		25		32		40	
Set pressure (bar)	Set pressure (psi)	kg/hr	GPM (US)	kg/hr	GPM (US)	kg/hr	GPM (US)	kg/hr	GPM (US)	kg/hr	GPM (US)	kg/hr	GPM (US)
0.2	2.9	849.7	3.7	1097.2	4.8	1950.6	8.6	3047.8	13.4	4993.4	22.0	7802.3	34.4
1.0	14.5	1899.9	8.4	2453.4	10.8	4361.6	19.2	6815.0	30.0	11165.7	49.2	17446.4	76.9
2.0	29.0	2686.9	11.8	3469.6	15.3	6168.2	27.2	9637.9	42.5	15790.7	69.6	24672.9	108.8
4.0	58.0	3799.8	16.8	4906.8	21.6	8723.2	38.5	13630.0	60.1	22331.4	98.5	34892.8	153.8
6.0	87.0	4653.8	20.5	6009.6	26.5	10683.7	47.1	16693.3	73.6	27350.2	120.6	42734.7	188.4
8.0	116.0	5373.8	23.7	6939.3	30.6	12336.5	54.4	19275.7	85.0	31581.3	139.2	49345.8	217.6
10.0	145.0	6008.0	26.5	7758.3	34.2	13792.6	60.8	21550.9	95.0	35309.0	155.7	55170.3	243.3
12.0	174.0	6581.5	29.0	8498.8	37.5	15109.0	66.6	23607.8	104.1	38679.1	170.5	60436.0	266.5
15.0	217.5	7358.3	32.4	9502.0	41.9	16892.4	74.5	26394.4	116.4	43244.5	190.7	67569.6	297.9
20.0	290.0	8496.7	37.5	10971.9	48.4	19505.7	86.0	30477.6	134.4	49934.5	220.2	78022.6	344.0
24.0	348.0	9307.6	41.0	12019.1	53.0	21367.4	94.2	33386.5	147.2	54700.5	241.2	85469.5	376.9

[1] *Metric units are calculated to BS EN ISO4126-7:2013 and displayed in their customary units*
[2] *Imperial units are calculated to ASME Section VIII Division 1 and displayed in their customary units*

Discharge capacity for HOT WATER at 10% over-pressure (Unvented Systems)[1] — Kdr = 0.38

Valve size	DN In	15mm (½")		20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")		50mm (2")	
	DN Out	15mm (½")		20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")		50mm (2")	
	d_o(mm)	13.5		15		20		25		32		40	
Set pressure (bar)	Set pressure (psi)	kW	BTU/sec	kW	BTU/sec	kW	BTU/sec	kW	BTU/sec	kW	BTU/sec	kW	BTU/sec
0.2	2.9	21.1	20.0	27.2	25.8	48.4	45.9	75.7	71.7	124.0	117.5	193.7	183.6
1.0	14.5	36.2	34.3	46.7	44.2	83.0	78.7	129.7	122.9	212.5	201.4	332.0	314.6
2.0	29.0	55.0	52.1	71.0	67.3	126.2	119.6	197.2	186.9	323.1	306.2	504.8	478.4
4.0	58.0	92.6	87.8	119.6	113.3	212.6	201.5	332.2	314.9	544.3	515.9	850.4	806.0
6.0	87.0	130.2	123.5	168.2	159.4	299.0	283.4	467.2	442.8	765.5	725.5	1196.0	1133.6
8.0	116.0	167.9	159.1	216.8	205.5	385.4	365.3	602.2	570.8	986.7	935.2	1541.7	1461.2
10.0	145.0	205.5	194.8	265.4	251.6	471.8	447.2	737.2	698.8	1207.9	1144.8	1887.3	1788.8
12.0	174.0	243.2	230.5	314.0	297.6	558.2	529.1	872.2	826.7	1429.1	1354.5	2232.9	2116.4
15.0	217.5	299.6	284.0	386.9	366.7	687.8	652.0	1074.8	1018.7	1760.9	1669.0	2751.4	2607.8
20.0	290.0	393.7	373.2	508.4	481.9	903.9	856.7	1412.3	1338.6	2313.9	2193.1	3615.5	3426.8
24.0	348.0	469.0	444.5	605.6	574.0	1076.7	1020.5	1682.3	1594.5	2756.3	2612.5	4306.7	4082.0

[1] *Calculations based on Hot Water at or above 100°C, using the Kdr of Gas*
[2] *Calculations are in accordance to BS EN ISO 4126-1:2004 National Annex NA*

Discharge capacity for AIR at 10% over-pressure[1,2,3] — Kdr = 0.38

Valve size	DN In	15mm (½")		20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")		50mm (2")	
	DN Out	15mm (½")		20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")		50mm (2")	
	d_o(mm)	13.5		15		20		25		32		40	
Set pressure (bar)	Set pressure (psi)	l/sec	SCFM	l/sec	SCFM	l/sec	SCFM	l/sec	SCFM	l/sec	SCFM	l/sec	SCFM
0.2	2.9	12.5	26.5	16.1	34.2	28.6	60.7	44.7	94.9	73.2	155.5	114.4	243.0
1.0	14.5	21.4	45.3	27.6	58.6	49.0	104.1	76.6	162.7	125.5	266.5	196.1	416.4
2.0	29.0	32.5	69.0	41.9	89.0	74.5	158.3	116.5	247.3	190.8	405.2	298.2	633.2
4.0	58.0	54.7	116.2	70.6	150.0	125.6	266.7	196.2	416.7	321.5	682.7	502.3	1066.7
6.0	87.0	76.9	163.4	99.3	211.0	176.6	375.1	276.0	586.0	452.1	960.1	706.5	1500.2
8.0	116.0	99.2	210.6	128.1	271.9	227.7	483.4	355.7	755.4	582.8	1237.6	910.6	1933.7
10.0	145.0	121.4	257.8	156.8	332.9	278.7	591.8	435.5	924.7	713.5	1515.0	1114.8	2367.3
12.0	174.0	143.6	305.0	185.5	393.9	329.7	700.2	515.2	1094.1	844.1	1792.5	1318.9	2800.8
15.0	217.5	177.0	375.8	228.5	485.3	406.3	862.8	634.8	1348.1	1040.1	2208.7	1625.2	3451.1
20.0	290.0	290.0	493.8	300.3	637.7	533.9	1133.7	834.2	1771.4	1366.8	2902.3	2135.6	4534.9
24.0	348.0	277.0	588.3	357.7	759.6	636.0	1350.5	993.7	2110.1	1628.1	3457.2	2543.9	5401.9

[1] *Metric units are calculated to BS EN ISO4126-7:2013 and converted to l/sec at 1.013 bar a. @ 15°C*
[2] *Imperial units are calculated to ASME Section VIII Division 1 and displayed in their customary units*
[3] *To convert from l/sec (1.013 bar a. @ 15°C) to Nm3/hr (1.013 bar a. @ 0°C) multiply by 3.413*

Discharge capacity for SATURATED STEAM at 10% over-pressure[1,2,3,4] — Kdr = 0.38

Valve size	DN In	15mm (½")		20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")		50mm (2")	
	DN Out	15mm (½")		20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")		50mm (2")	
	d_o(mm)	13.5		15		20		25		32		40 (mm)	
Set pressure (bar)	Set pressure (psi)	kg/hr	lb/hr	kg/hr	lb/hr	kg/hr	lb/hr	kg/hr	lb/hr	kg/hr	lb/hr	kg/hr	lb/hr
0.2	2.9	29.1	74.2	37.6	95.8	66.9	170.4	104.5	266.2	171.3	436.2	267.6	681.6
1.0	14.5	59.7	127.2	77.1	164.2	137.0	292.0	214.1	456.2	350.8	747.5	548.1	1167.9
2.0	29.0	89.7	193.4	115.8	249.7	205.9	444.0	321.7	693.7	527.1	1136.6	823.6	1775.9
4.0	58.0	148.8	325.8	192.1	420.7	341.5	748.0	533.7	1168.7	874.4	1914.8	1366.2	2991.9
6.0	87.0	207.3	458.2	267.6	591.7	475.8	1052.0	743.4	1643.7	1218.0	2693.0	1903.1	4207.9
8.0	116.0	265.4	590.7	342.7	762.7	609.2	1356.0	951.9	2118.7	1559.5	3471.3	2436.8	5423.8
10.0	145.0	323.3	723.1	417.5	933.7	742.3	1660.0	1159.8	2593.7	1900.3	4249.5	2969.2	6639.8
12.0	174.0	381.1	855.5	492.1	1104.7	874.8	1963.9	1366.9	3068.7	2239.5	5027.7	3499.2	7855.8
14.0	203.0	438.9	987.9	566.7	1275.7	1007.5	2267.9	1574.2	3543.7	2579.2	5805.9	4030.0	9071.8

[1] *Metric units are calculated to BS EN ISO4126-7:2013 and displayed in their customary units*
[2] *Imperial units are calculated to ASME Section VIII Division 1 and displayed in their customary units*
[3] *Calculations for saturated steam only*
[4] *PTFE seals up to 14 bar, EPDM seals up to 2.5 bar - contact Seetru for details on maximum steam pressure for other seal materials*

LGS® HI-FLOW Safety Relief Valves

for liquid | *hot water* | *compressed air & gas* | *steam*

Seetru Limited

LGS®HI-FLOW

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

Example Applications

- Hot water, including boilers (vented and unvented)
- Steam boilers and steam plants
- Pump and thermal relief
- Bypass relief
- Process liquids and gases
- Pressure vessels and lines
- Heating and cooling systems
- Heat exchangers and industrial cooling systems
- Refrigeration systems
- Pressure booster systems
- Solar power systems
- District heating systems

Specifications

- Size range: DN15 to DN50 (½" BSP to 2" BSP)
- Temperature: -60°C to +200°C
  (with PTFE seals (EPDM-45°C to +140°C)
- Pressure range: 0.2 to 24 bar (depending on seal and duty)

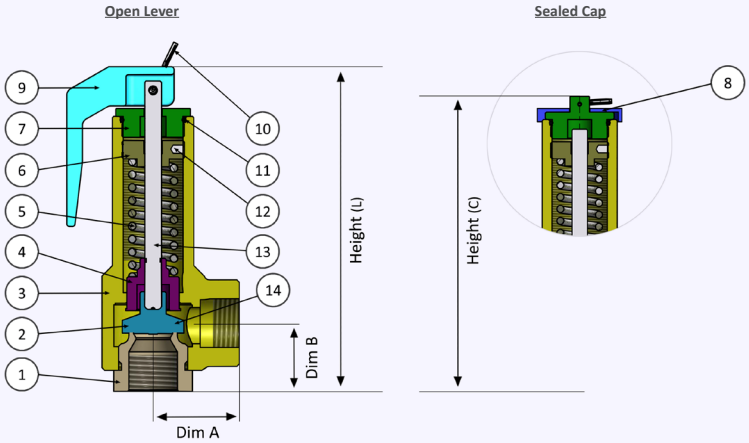
Approvals

- Designed in accordance with BS EN ISO-4126-1 &-7
- PED 2014/68/EU (CE)
- PE(S)R UK SI 2016 No. 1105 (UKCA)
- EAC
- WRAS
- KUKReg 4

Materials of Construction

	COMPONENT	MATERIAL
1	Seat	Dezincification Resistant Material
2	Lift Aid Assembly	Dezincification Resistant Material
3	Body	Bronze CC491K / C83600
4	Piston	Dezincification Resistant Material
5	Spring	Steel 1.4401
6	Adjuster	Brass
7	Cap	Brass
8	Cover	Brass
9	Lever	Brass
10	Wire Lock	Steel & Lead
11	O-Ring	EPDM
12	Locking Slug	Nylon
13	Spindle	Stainless Steel
14	Seal	PTFE or EPDM

Valve Drawing

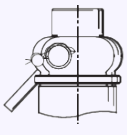


Dimensions

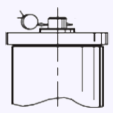
Size (Inlet x Outlet)	Dim A mm (inches)	Dim B mm (inches)	Height (L) mm (inches)	Height (C) mm (inches)
DN15 (½") x DN20 (¾")	37.0 (1.46)	32.0 (1.26)	130.0 (5.12)	120.5 (4.74)
DN20 (¾") x DN25 (1")	42.0 (1.65)	37.0 (1.46)	156.0 (6.14)	146.5 (5.77)
DN25 (1") x DN32(1 ¼")	50.0 (1.97)	42.0 (1.65)	174.0 (6.85)	164.5 (6.48)
DN32 (1 ¼") x DN40 (1 ½")	59.0 (2.32)	50.0 (1.97)	222.5 (8.76)	211.5 (8.33)
DN40 (1 ½") x DN50 (2")	69.0 (2.72)	59.0 (2.32)	256.5 (9.70)	246.5 (9.70)
DN50 (2") x DN65 (2 ½")	78 (3.07)	83.5 (3.28)	320.0 (12.60)	310 (12.20)

Easing Gear / Lifting Gear Options

- **Options:**



Sealed lever (gas tight)



Sealed Cap (gas tight cap)

Discharge Capacities

LGS HI-FLOW Safety Relief Valves

HI-FLOW Discharge capacity for WATER at 10% over-pressure[1,2] — Kdr = 0.26

Valve size	DN In	15mm (½")		20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")	
	DN Out	20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")		50mm (2")	
	d_0(mm)	15		20		25		32		40	
Set pressure (bar)	Set pressure (psi)	kg/hr	GPM (US)	kg/hr	GPM (US)	kg/hr	GPM (US)	kg/hr	GPM (US)	kg/hr	GPM (US)
0.2	2.9	1097.2	4.8	1950.6	8.6	3047.8	13.4	4993.4	22.0	7802.3	34.4
1.0	14.5	2453.4	10.8	4361.6	19.2	6815.0	30.0	11165.7	49.2	17446.4	76.9
2.0	29.0	3469.6	15.3	6168.2	27.2	9637.9	42.5	15790.7	69.6	24672.9	108.8
4.0	58.0	4906.8	21.6	8723.2	38.5	13630.0	60.1	22331.4	98.5	34892.8	153.8
6.0	87.0	6009.6	26.5	10683.7	47.1	16693.3	73.6	27350.2	120.6	42734.7	188.4
8.0	116.0	6939.3	30.6	12336.5	54.4	19275.7	85.0	31581.3	139.2	49345.8	217.6
10.0	145.0	7758.3	34.2	13792.6	60.8	21550.9	95.0	35309.0	155.7	55170.3	243.3
12.0	174.0	8498.8	37.5	15109.0	66.6	23607.8	104.1	38679.1	170.5	60436.0	266.5
15.0	217.5	9502.0	41.9	16892.4	74.5	26394.4	116.4	43244.5	190.7	67569.6	297.9
20.0	290.0	10971.9	48.4	19505.7	86.0	30477.6	134.4	49934.5	220.2	78022.6	344.0
24.0	348.0	12019.1	53.0	21367.4	94.2	33386.5	147.2	54700.5	241.2	85469.5	376.9

[1] Metric units are calculated to BS EN ISO4126-7:2013 and displayed in their customary units
[2] Imperial units are calculated to ASME Section VIII Division 1 and displayed in their customary units

HI-FLOW Discharge capacity for HOT WATER at 10% over-pressure (Unvented Systems)[1] — Kdr = 0.38

Valve size	DN In	15mm (½")		20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")	
	DN Out	20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")		50mm (2")	
	d_0(mm)	15		20		25		32		40	
Set pressure (bar)	Set pressure (psi)	kW	BTU/sec	kW	BTU/sec	kW	BTU/sec	kW	BTU/sec	kW	BTU/sec
0.2	2.9	27.2	25.8	48.4	45.9	75.7	71.7	124.0	117.5	193.7	183.6
1.0	14.5	46.7	44.2	83.0	78.7	129.7	122.9	212.5	201.4	332.0	314.6
2.0	29.0	71.0	67.3	126.2	119.6	197.2	186.9	323.1	306.2	504.8	478.4
4.0	58.0	119.6	113.3	212.6	201.5	332.2	314.9	544.3	515.9	850.4	806.0
6.0	87.0	168.2	159.4	299.0	283.4	467.2	442.8	765.5	725.5	1196.0	1133.6
8.0	116.0	216.8	205.5	385.4	365.3	602.2	570.8	986.7	935.2	1541.7	1461.2
10.0	145.0	265.4	251.6	471.8	447.2	737.2	698.8	1207.9	1144.8	1887.3	1788.8
12.0	174.0	314.0	297.6	558.2	529.1	872.2	826.7	1429.1	1354.5	2232.9	2116.4
15.0	217.5	386.9	366.7	687.8	652.0	1074.8	1018.7	1760.9	1669.0	2751.4	2607.8
20.0	290.0	508.4	481.9	903.9	856.7	1412.3	1338.6	2313.9	2193.1	3615.5	3426.8
24.0	348.0	605.6	574.0	1076.7	1020.5	1682.3	1594.5	2756.3	2612.5	4306.7	4082.0

[1] Calculations based on Hot Water at or above 100°C, using the Kdr of Gas
[2] Calculations are in accordance to BS EN ISO 4126-1:2004 National Annex NA

HI-FLOW Discharge capacity for AIR at 10% over-pressure[1,2,3] — Kdr = 0.38

Valve size	DN In	15mm (½")		20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")	
	DN Out	20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")		50mm (2")	
	d_0(mm)	15		20		25		32		40	
Set pressure (bar)	Set pressure (psi)	l/sec	SCFM	l/sec	SCFM	l/sec	SCFM	l/sec	SCFM	l/sec	SCFM
0.2	2.9	16.1	34.2	28.6	60.7	44.7	94.9	73.2	155.5	114.4	243.0
1.0	14.5	27.6	58.6	49.0	104.1	76.6	162.7	125.5	266.5	196.1	416.4
2.0	29.0	41.9	89.0	74.5	158.3	116.5	247.3	190.8	405.2	298.2	633.2
4.0	58.0	70.6	150.0	125.6	266.7	196.2	416.7	321.5	682.7	502.3	1066.7
6.0	87.0	99.3	211.0	176.6	375.1	276.0	586.0	452.1	960.1	706.5	1500.2
8.0	116.0	128.1	271.9	227.7	483.4	355.7	755.4	582.8	1237.6	910.6	1933.7
10.0	145.0	156.8	332.9	278.7	591.8	435.5	924.7	713.5	1515.0	1114.8	2367.3
12.0	174.0	185.5	393.9	329.7	700.2	515.2	1094.1	844.1	1792.5	1318.9	2800.8
15.0	217.5	228.5	485.3	406.3	862.8	634.8	1348.1	1040.1	2208.7	1625.2	3451.1
20.0	290.0	300.3	637.7	533.9	1133.7	834.2	1771.4	1366.8	2902.3	2135.6	4534.9
24.0	348.0	357.7	759.6	636.0	1350.5	993.7	2110.1	1628.1	3457.2	2543.9	5401.9

[1] Metric units are calculated to BS EN ISO4126-7:2013 and converted to l/sec at 1.013 bar a. @ 15°C
[2] Imperial units are calculated to ASME Section VIII Division 1 and displayed in their customary units
[3] To convert from l/sec (1.013 bar a. @ 15°C) to Nm3/hr (1.013 bar a. @ 0°C) multiply by 3.413

HI-FLOW Discharge capacity for SATURATED STEAM at 10% over-pressure[1,2,3,4] — Kdr = 0.38

Valve size	DN In	15mm (½")		20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")	
	DN Out	20mm (¾")		25mm (1")		32mm (1¼")		40mm (1½")		50mm (2")	
	d_0(mm)	15		20		25		32		40	
Set pressure (bar)	Set pressure (psi)	kg/hr	lb/hr	kg/hr	lb/hr	kg/hr	lb/hr	kg/hr	lb/hr	kg/hr	lb/hr
0.2	2.9	37.6	95.8	66.9	170.4	104.5	266.2	171.3	436.2	267.6	681.6
1.0	14.5	77.1	164.2	137.0	292.0	214.1	456.2	350.8	747.5	548.1	1167.9
2.0	29.0	115.8	249.7	205.9	444.0	321.7	693.7	527.1	1136.6	823.6	1775.9
4.0	58.0	192.1	420.7	341.5	748.0	533.7	1168.7	874.4	1914.8	1366.2	2991.9
6.0	87.0	267.6	591.7	475.8	1052.0	743.4	1643.7	1218.0	2693.0	1903.1	4207.9
8.0	116.0	342.7	762.7	609.2	1356.0	951.9	2118.7	1559.5	3471.3	2436.8	5423.8
10.0	145.0	417.5	933.7	742.3	1660.0	1159.8	2593.7	1900.3	4249.5	2969.2	6639.8
12.0	174.0	492.1	1104.7	874.8	1963.9	1366.9	3068.7	2239.5	5027.7	3499.2	7855.8
14.0	217.5	566.7	1275.7	1007.5	2267.9	1574.2	3543.7	2579.2	5805.9	4030.0	9071.8

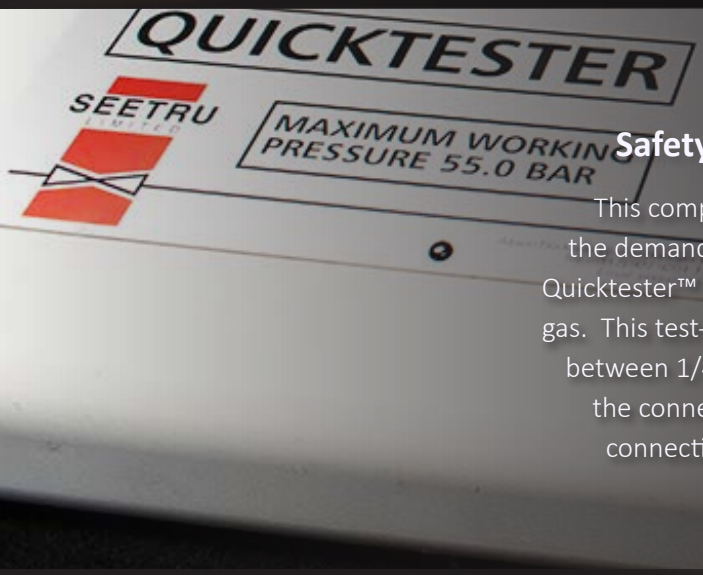
[1] Metric units are calculated to BS EN ISO4126-7:2013 and displayed in their customary units
[2] Imperial units are calculated to ASME Section VIII Division 1 and displayed in their customary units
[3] Calculations for saturated steam only
[4] PTFE seals up to 14 bar, EPDM seals up to 2.5 bar - contact Seetru for details on maximum steam pressure for other seal materials

Valves from Stock: Same-Day-Despatch

Our products are recognised globally for their exceptional quality and reliability, and in recent years Seetru have worked hard to maximise the efficiency of our manufacturing processes, to ensure that we are able to meet demands for supply and distribution. We now hold a large variety of safety valves in stock, allowing customers to purchase certain quantities from our website, and see them despatched on the same day.

Seetru offer atmospheric discharge safety valves and pipped discharge safety valves in brass / bronze or stainless steel. The Seetru LGS® range of pressure relief valves (for liquid, steam, and gasses) are available in bronze construction, with open-lever and sealed-cap options. These valves can be fitted with PTFE or EPDM seals, with both types having the WRAS approval- for installation on public water supply systems.

Seetru also operate a standardised three-day-despatch delivery service, which covers the entire range of valves we manufacture.



Safety Valve Testing Equipment: The Seetru Quicktester™

This compact, lightweight and portable design is very robust and able to meet the demands of a busy maintenance workshop or mobile operation. The Seetru Quicktester™ can be used with plant generated air supplies or with mobile bottled gas. This test-bench can be supplied with a range of adaptors allowing connection between 1/4” to 1” BSP as standard, additional adaptors are available increasing the connection sizes up to 2” BSP. The Quicktester™ is also available with NPT connection adaptors upon request. It is suitable for use with a wide range of elastomer sealed valves

Liquid Level Gauges

There are many industrial applications that require the monitoring of the liquid level in tanks. While the function of a level gauge is relatively simple, there are a variety of options available. The suitability and robustness of construction materials play a role in determining which gauge is required, as do the operating temperature and pressure requirements. Seetru liquid level gauges are primarily of two types, sight gauges and magnetic float by-pass gauges. Many of the Seetru 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.

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