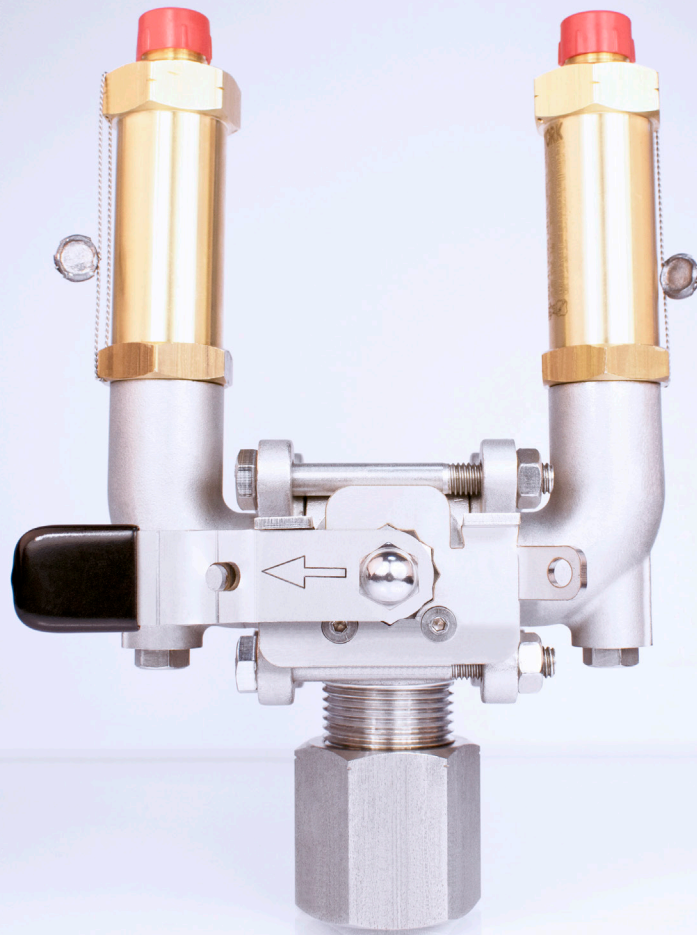




Seetru Limited
That's Safety!

Seetru Change-Over Valves

Switch over between parallel safety valves without interrupting operation



Seetru was founded in 1949 by Otto Varga and Leonard Taylor

The aim of their early collaboration was to solve a common problem within the oil industry; typically oil was stored in tanks or drums and the only available method of understanding how much volume remained was through an audible confirmation ...usually achieved by kicking the drum.

The two entrepreneurs began work and soon devised a method of measuring the level of tank or drum contents with accuracy and efficiency. Thus the 'Seetru Gauge' came into being and the name Seetru was established -

...'See the Tru' level

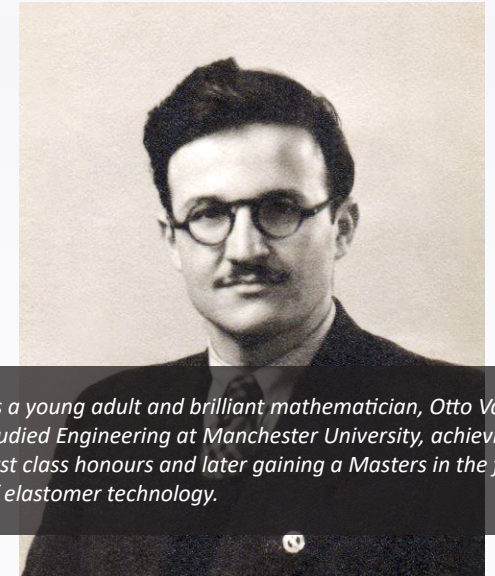
The Seetru Gauge, although a hugely successful tool, wasn't without its problems. The Gauge itself relied upon valves in order to operate. These valves were regarded by Mr Varga as being inefficient and "quite terrible" - frequently leaking oil. His knowledge of elastomer's/polymers and huge enthusiasm for invention would lead Otto Varga to design and develop a new push valve for the Seetru Level Gauge, which, with its design quality and innovative use of the O-ring, produced a device which no longer suffered from leaking.

Encouraged by the success of this instrument and recognising that there was a need for better, more efficient design within the valve industry and related applications, Mr Varga began work on a new range of safety relief valves.

From the early development of the Seetru Gauge came an extensive range of liquid level indicators ...and out of the valve development for that gauge, came the entire range of safety and relief valves Seetru design and manufacture today.

[Read More Here](#)

[Watch a short video](#)



As a young adult and brilliant mathematician, Otto Varga studied Engineering at Manchester University, achieving a first class honours and later gaining a Masters in the field of elastomer technology.

Leonard Taylor covering the standard start kilometre at Silverstone in a time of 45.03 seconds, driving a 1911 10hp Stanley Steam Car.



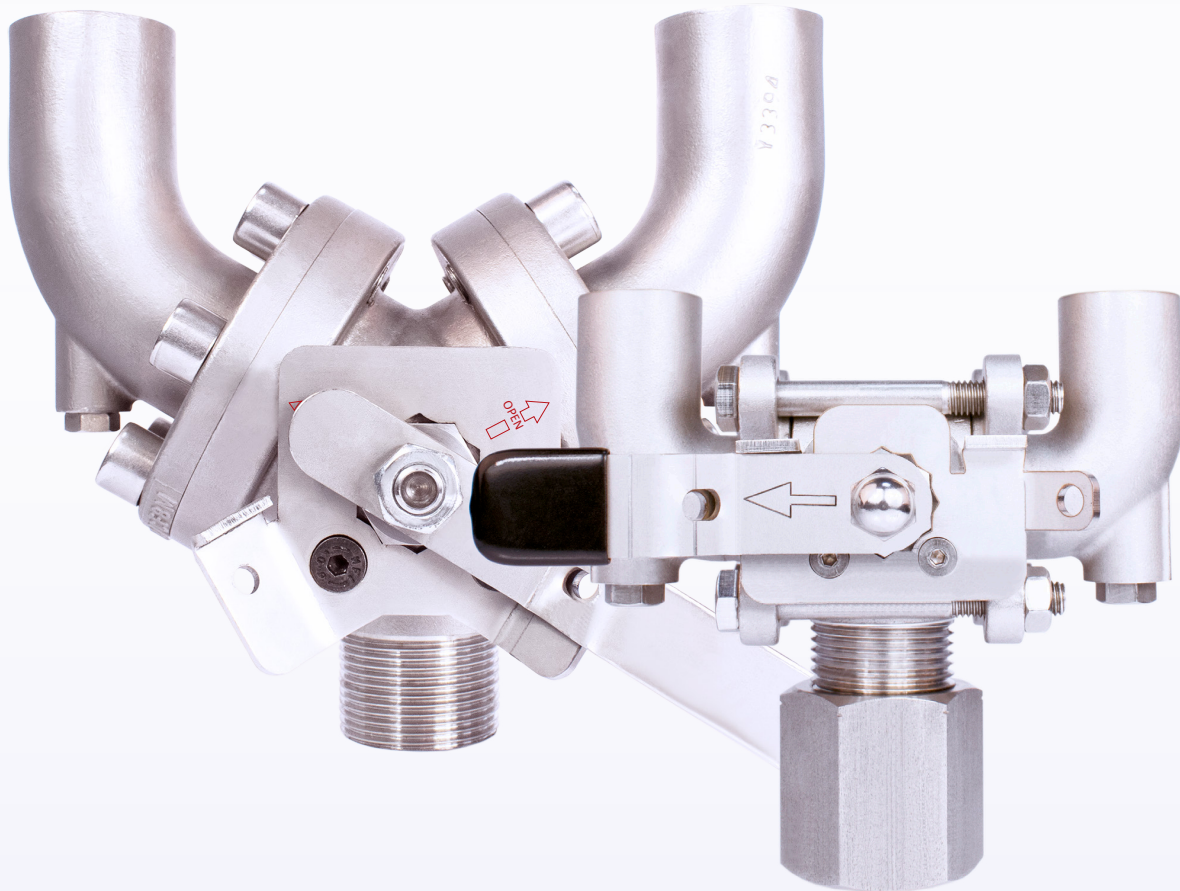


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Seetru Change-Over Valves

These valves are used if a 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 products are widely recognised for their quality and reliability. [Enquiry Form](#) | www.seetru.com | info@seetru.com | [+44 \(0\) 117 930 6100](tel:+441179306100)

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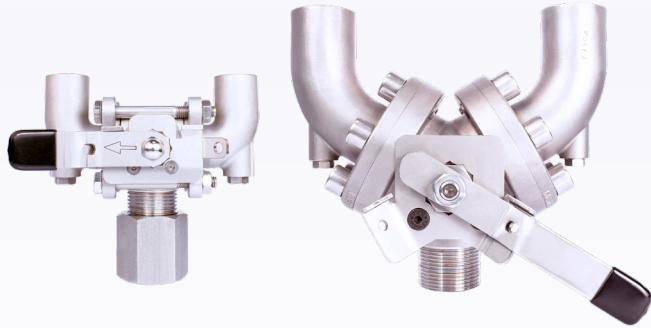
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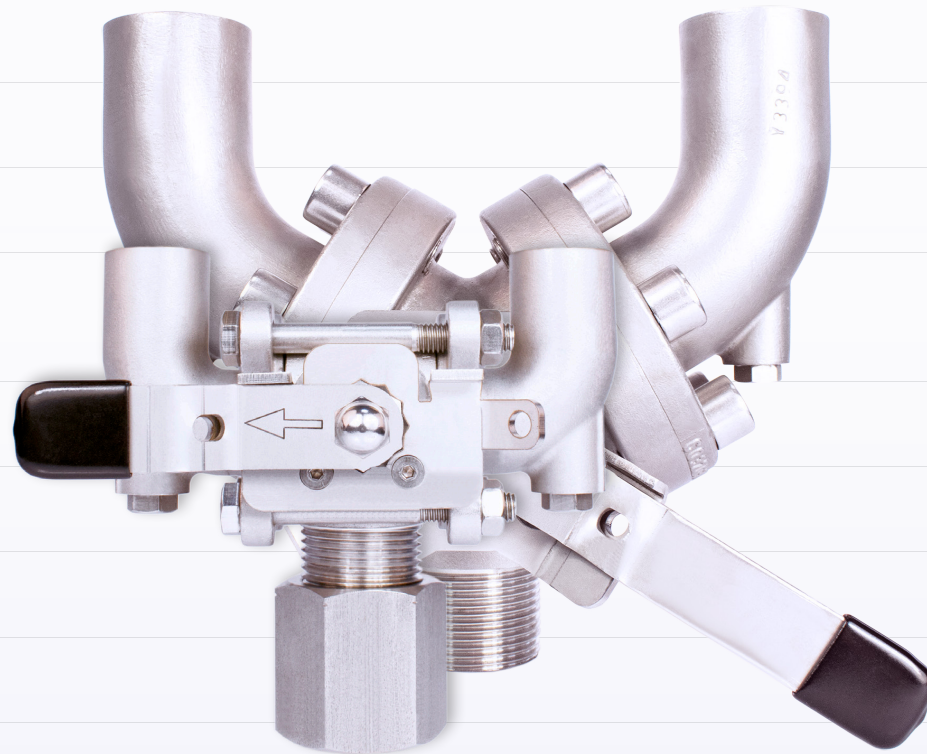
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Features



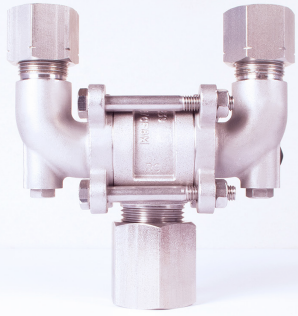
- Patented Design
- Lubricant Free Operation
- Can be fitted with a Bursting Disc
- Lockable handle (optional padlock available)
- Designed for ease of maintenance
- Option to degrease for Oxygen service
- Impossible to isolate both safety valves
- Adjustable Spindle Gland
- Robust Construction
- Compact and easy to use design
- Designed in accordance with BS EN 378
- Pressure drops with 10.0mm for COV10 bore SRV & 18.0mm for COV30 (in accordance with BS EN 13136)
- Ventable outlets for safe removal of Safety Valves
- Seat leakage EV 12266-1 Rate A
- Available with a wide range of fittings and adaptors
- Optimised using Computational Fluid Dynamics (CFD)



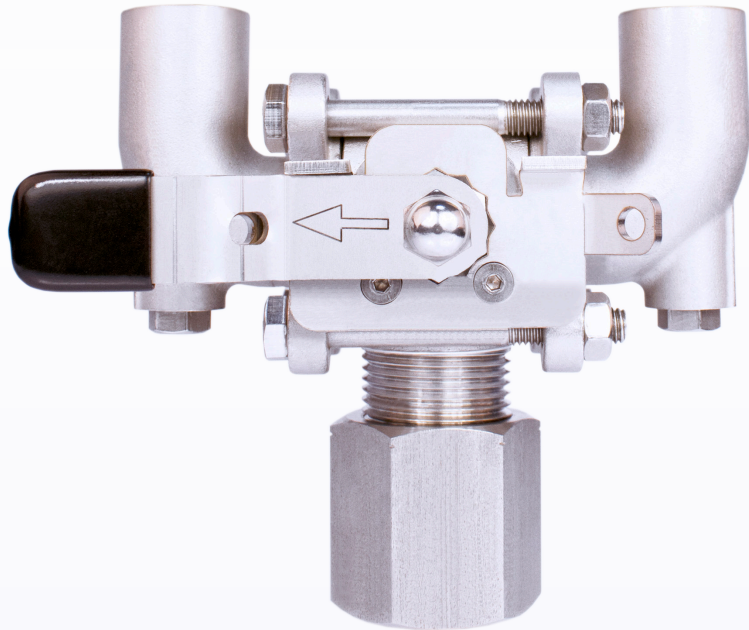
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Seetru Change-Over Valves

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Specifications - COV10



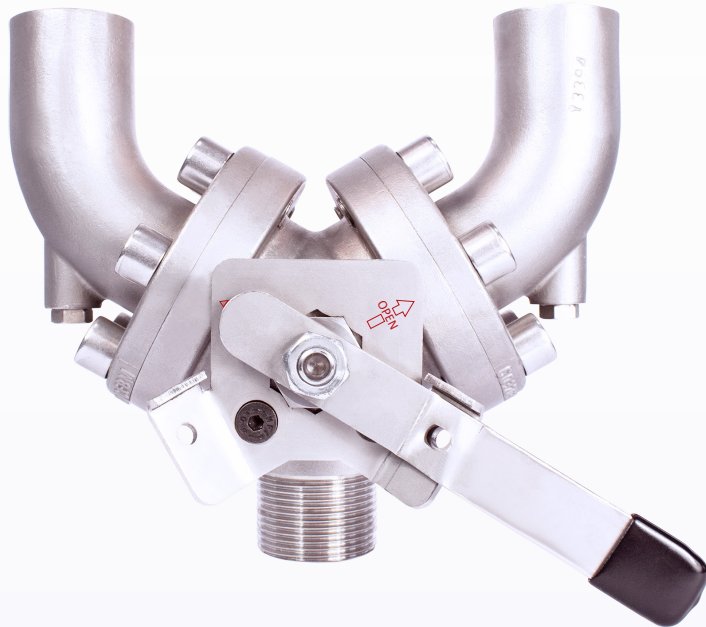
System Connections	½" to 1" BSP, BSPT & NPT
Valve Connections	½" NPT or 3/4" BSP (with or without orientators)
Change-Over Valve Kv	10
Materials of Construction	Stainless Steel
Seat Materials	25% Carbon filled P.T.F.E.
Temperature Range	-196°C to +200°C
Max Design Pressure	75 barg.
Material Certification	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 g.
Optional	Degrease for Oxygen

Seetru Change-Over Valves

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Specifications - COV30



System Connections	1" to 1-1/2" BSP, BSPT, NPT, CL150 to CL600 & PN16 to PN100
Valve Connections	3/4" to 1" BSP, BSPT, NPT (with or without orientators), CL150 to CL600 & PN16 to PN100
Change-Over Valve Kv	30
Materials of Construction	Stainless Steel
Seat Materials	25% Carbon filled P.T.F.E.
Temperature Range	-196°C to +200°C
Max Design Pressure	CL600 or PN100
Material Certification	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.



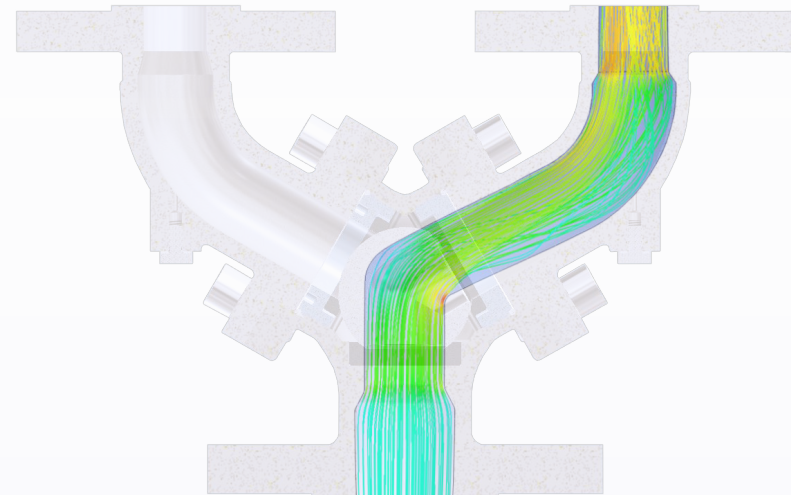
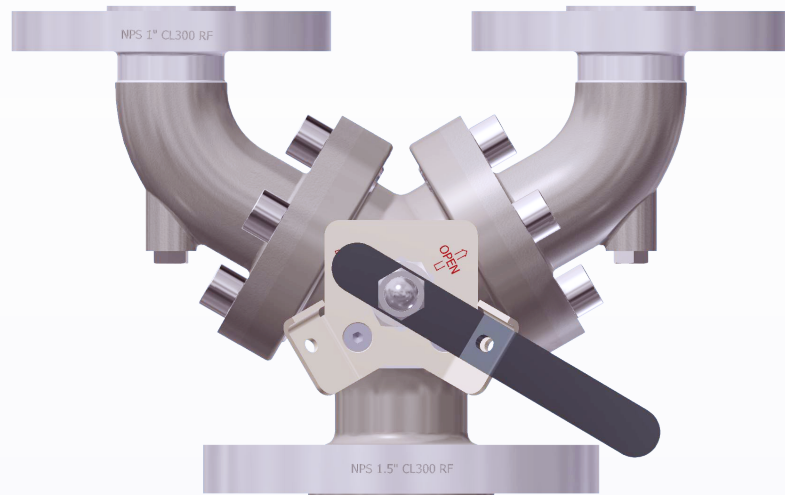
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Fluid Mechanics



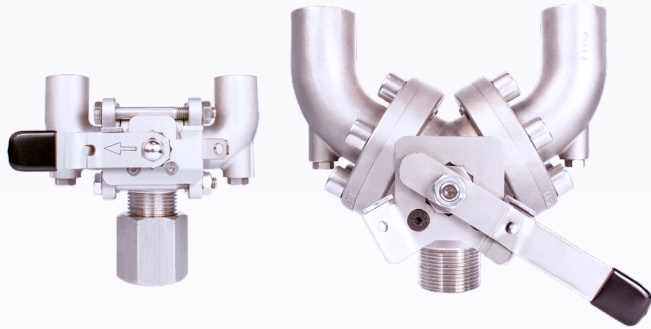
The Seetru Change-Over Valves were designed and developed using Computational Fluid Dynamics (CFD) in order to simulate and optimise the flow of the fluids through the valve.



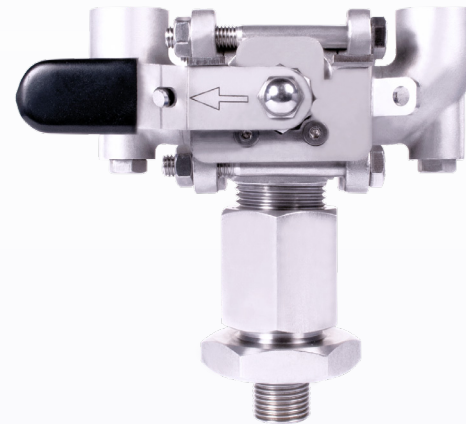
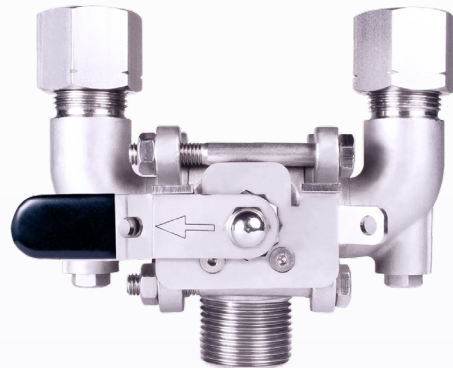
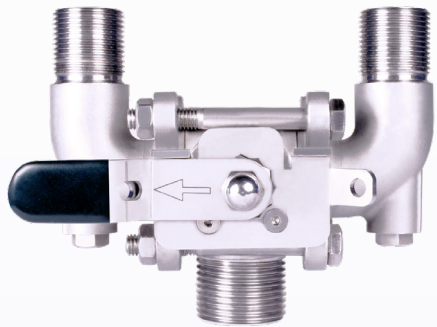
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Fittings, Adaptors and Connections



The Seetru COV30 Flanged Change-Over Valve

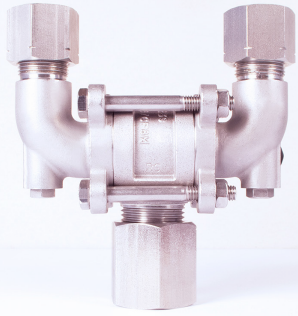


- The Seetru COV10 and COV30 Change-Over Valves can be supplied with a range of fittings and adaptors to provide compatibility with a large variety of systems.
- The COV30 is also available with flanged connections (A or PN).

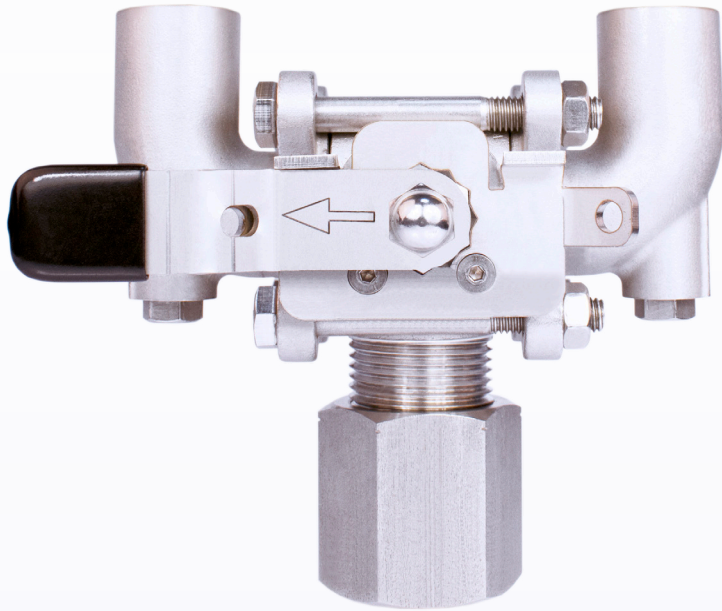


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Operating Instructions - COV10



- | | |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Unlock handle if locking device fitted (recommended). |
| 2 | Starting in a motion away from the duty SRV, rotate handle through 180°, either clockwise or anticlockwise dependent upon start 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, untighten vent nut of standby Change-over arm by 1 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 inadvertent change over, thus rendering the system unprotected against excessive pressure. If the outlet is plugged, vent arm of pressure, as previously described, prior to removal. |

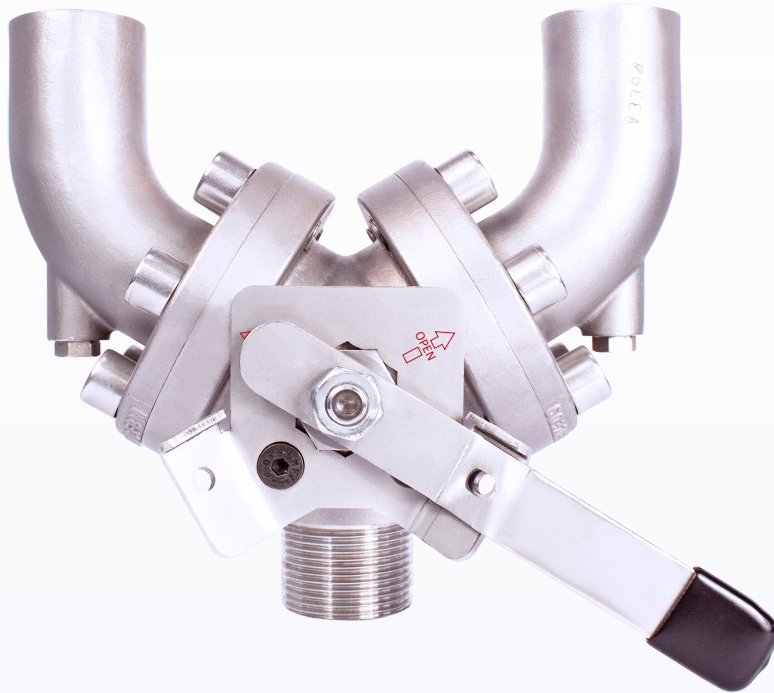


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Operating Instructions - COV30



- | | |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Unlock handle if locking device fitted (recommended). |
| 2 | Starting in a motion away from the duty SRV, rotate handle through 120°, either clockwise or anticlockwise dependent upon start 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, untighten vent nut of standby Change-over arm by 1 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 inadvertent change over, thus rendering the system unprotected against excessive pressure. If the outlet is plugged, vent arm of pressure, as previously described, prior to removal. |



Seetru Limited
That's Safety!

Seetru Products and Services

Seetru offers a wide range of products and services including; screwed safety and relief valves, flanged safety valves, auxiliary valves, testing equipment, site surveying, testing and refurbishment services, source and supply services.

Over 70 Years of Quality, Innovation and Service



The **Seetru range of Safety Valves** are compact, highly efficient and incorporate the exclusive Tutchtite™ seal technology for repeatable bubble-tight sealing performance: designed for applications including air/gas compressors, specialist gas plants, chemical equipment and piping, pressure vessels, thermal relief and medical gases etc. These valves are manufactured in bronze, brass or stainless steel and offer a wide range of connections, for applications up to 250°C. [View Range](#)



LGS® (Liquid, Gas & Steam) 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. [View Range](#)



Seetru offer quick delivery services for our range of safety valves. In 2016 we introduced our [Same-Day-Despatch](#) service for certain ranges of our safety valves to help to meet the demands of our customers. In 2018 we introduced a [Three-Day Despatch](#) service, which now covers almost the entire range of safety valves we manufacture. **Coming Soon! Flanged Safety Valves** - API valves are available from D to L orifice (1" to 3" with CL150 & CL300 Flanges). [Visit our website](#)



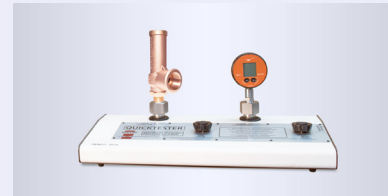
LESER UK Limited

LESER offers spring-loaded and pilot-operated safety valves for all industrial applications according to PED and ASME VIII as well as application-based solutions for special requirements.

[View Range](#) | sales@leser.co.uk | +44 (0)117 930 6113



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. [View Range](#)



The **Seetru Quicktester™** is a light-weight, portable valve testing system for compliance with pressure systems safety & equipment regulations. It can be used with plant generated air supplies or with mobile bottled gas. This test bench is 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 on request.

[More Information](#)



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. They are suitable for a wide variety of liquids including water, oils and lubricants. They operate at temperatures up to 180°C and pressures up to 24 bar g.

[More Information](#)



Seetru Engineering Services (SES) are the service arm of Seetru Limited who are a long established Safety Valve manufacturer of over 70 years. SES has been founded on the ability to react to customers individual requirements and to deliver total engineering solutions that improve the safety, quality, and value of our customer's activities. SES offer a range of 'on-site' and 'off-site' refurbishment and testing services for Safety and Relief Valves. [More information about Seetru Engineering Services](#)



North America | South America | Europe | Africa | Asia | Australasia