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Ship Building & Offshore G31 Seeflex

Suitable for
Flammable
liquids

The Seetru 'G31' Seeflex Gauge

The Seetru Seeflex gauge is designed for use within the marine and offshore industries for tanks containing flammable liquids. The Seeflex gauge meets the requirements of SOLAS (Safety Of Lives At Sea), and is also type approved by many worldwide shipping authorities including; Det Norske Veritas (DNV), RINA, Lloyds Register of Shipping, Nippon Kaiji Kyokai and Bureau Veritas.

This gauge is commonly used for fuel oil, hydraulic oil and lubrication oil tanks of cargo ships and work boats.

G31 Seeflex specifications

Maximum temperature	80 °C ¹
Maximum pressure	2.67 bar g ¹
Valve material	Brass Stainless steel
Connections	42 mm weld boss mild steel and stainless steel Threaded and flanged available upon request
Seal materials	Elastomer 'O' rings
Glass	Toughened borosilicate reflex glass DIN 7080/7081
Column materials	Mild steel or stainless steel rust protected front bezel
Lengths	Maximum: 8900 mm
Valve types	Push button self closing valves

¹ Maximum allowable operating pressure is dependent upon operating temperature, contact Seetru for full information.



Push-button operation

Except when a reading is being taken, the gauge is permanently isolated from the contents of the tank. To take a reading the spring loaded valve is opened by pressing a push-button. When released, the connection between the tank and gauge is automatically resealed.

Safe from external damage

Due to the design of the push-button isolation valve, not amount of damage to the gauge or external fittings on the tanks can break the liquid seals. In such an event the fluid cannot escape.

Closed circuit design

The closed circuit design penetrates the tank wall at both top and bottom connections. The options for the top connection are either a push-button self closing valve or valveless tank return.

Open circuit design

This is only allowable when it is possible for the gauge column to extend above the top of the tank by at least 100 mm. The upper end of the gauge can be supplied with an automatic safety vent valves or, alternatively, a pipe union connection. The automatic safety vent will allow air to pass, but will seal against a liquid level. In the case of the pipe union connection design, a 10 mm o/d steel vent pipe is returned to the tanks or into the tank vent pipe.

Hydraulic actuation

Hydraulic actuation can be supplied as an optional extra. This is designed to enable both push-button valves to be operated at the same time. Recommend for tall gauges where it would otherwise be difficult to operate the upper and lower push-button valves simultaneously.

Graduation

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