

LiquiLevel FBS series tank level indicators are easy to install, and offer a economical solution where a reliable mechanical liquid level indicator is required on bulk storage tanks operating under atmospheric or low pressure. The system is assembled on-site, and installed to both new and existing tank installations.

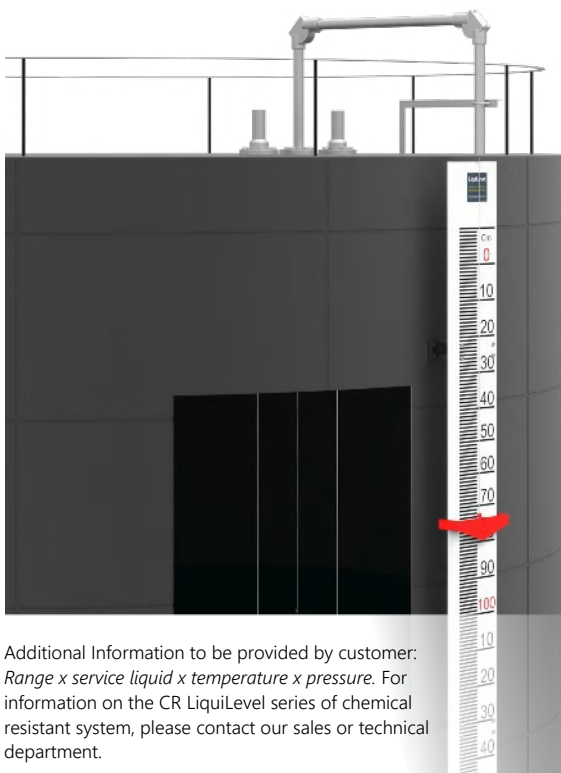
- Durable Aluminium powder coated gauge board in white with black graduations and numbers
- Level indication in both Ft. And inches (imperial) or metric mtrs and centimetres. (Metric is standard)
- Accurate to 5cm.
- Guided float as standard. Unguided float available on request

The FBS system consists of a float connected to a an external tank level indicator via a cord and a set of pulleys. The indicator has nylon roller glides which enables the indicator to ride smoothly up and and down the gauge board which is positioned parallel to the tank. The float accurately follows the liquid variations in the tank. The horizontal float movement is restricted by two guide wires firmly anchored to the tank base. When the indicator as at the top position when the tank is empty and the bottom position when the tank is full. The gauge board is supplied in 1 metre lengths and multiple gauge board are connected by bracket joiners as per the ordered measuring range.



Technical Specification

Range	Guided up to 15 mtr with 200mmø float
Travel	Full range
Graduations	5 mm
Max Temperature	150°C stainless steel, 80°C Polypropylene
Max Pressure	Atmospheric
Float	SS304
Float cord/ wire	SS304 x 1.6mmø multistrand, PP x 3mmø
Calibrated gauge board	100mm wide (4") aluminium with black/red graduations and numbers. Available in cm & mtrs or feet and inches
Level Indicator	Red powder coated steel with cord fastener
Protection conduit	Vertical and horizontal pipe in galvanised steel pipe Vertical pipe - 20NB x 150mm & 150mm (2 No:s) Horizontal pipe - 20NB x 650mm long (1 No)
Pulley Elbow	Cadmium plated steel with PTFE bush and stainless steel shaft housed in weatherproof enclosure
Guide Wire Tensioners	Cadmium plated steel spring housed in CS
Float Anchor	1 weldable SS304/SS316 plate 25mm x 6mm thick
Float cord fixings	SS304
Gauge brackets	Adjustable Stainless Steel
Alarm (optional)	



Additional Information to be provided by customer:
Range x service liquid x temperature x pressure. For information on the CR LiquiLevel series of chemical resistant system, please contact our sales or technical department.

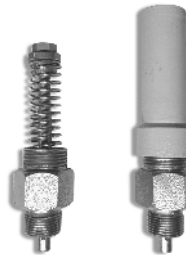
FBS Tank Level Indicator Industrial series

The LiquiLevel FBS system is assembled and packaged and shipped safely to customers around the Globe. We use only high quality materials for this system and can build a solution for almost any Bulk Storage Tank requirement. We supply the complete system ready to install on-site or can offer individual components to meet the specific requirements of our customers.

Main Components



Heavy duty powder coated steel gauge board level indicator with nylon rollers for smooth and accurate operation of the indicator.



Powder coated steel spring tensioners for tensioning guide wire for smooth operation of the float. Flange DN20 x 3/4" BSP. Tension assembly fully enclosed for maximum protection.



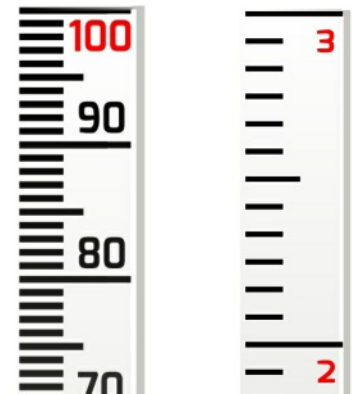
Gauge Board brackets made from SS316. Used for both joining the brackets together and for fixing gauge board back to storage tank.



Cadmium steel powder coated 90 degree pulley elbows complete with cover plate for maintenance and inspection. Connection size: 3/4" Other material available on request.



Stainless steel 303 float complete with guide wire lugs for guiding float up and down the guide wire system for smooth accurate operation.



Gauge Boards in Aluminium profile (100cm wide/4") with vinyl cut out calibrations in either metric or imperial.

The LiquiLevel FBS system operates accurately using stainless steel braided wire which is supplied with each system. BZP fasteners and full instruction manual and user manual provided. Level switches can also be installed to the gauge board for switching of pumps, controls and alarms.



Conduit pipe to connect the system together is made from powder coated galvanised steel pipe work in 3/4" BSP. Conduit dimensions can change depending on customers tank connections and pipe work configurations etc. For more info please contact our sales team.

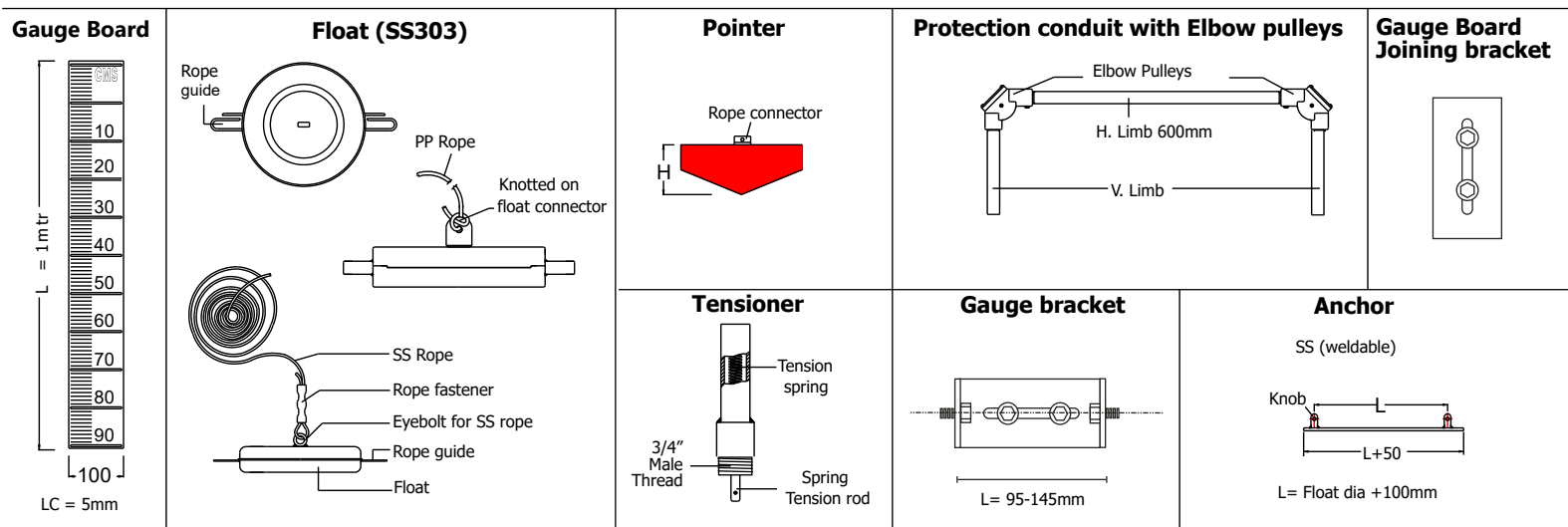


LiquiLevel FBS System is packaged safely in cardboard cartons for maximum protection of the components and safely delivered to a wide range of customers around the globe. For projects involving a qty of units, we offer Box identification for ease of installation which is beneficial to the installer.

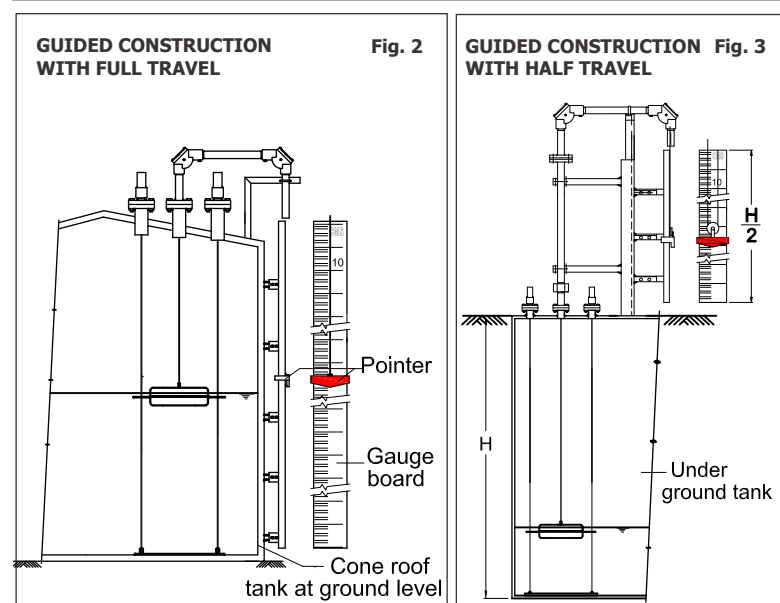
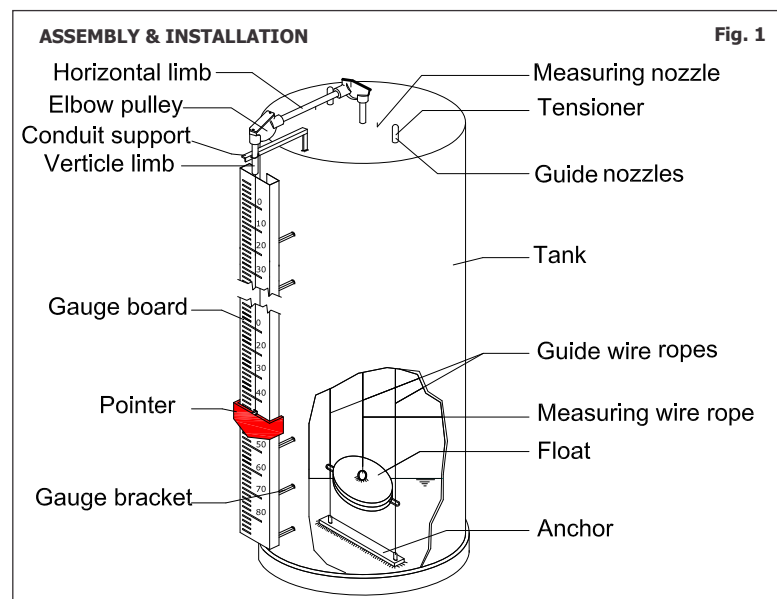
TANK LEVEL INDICATORS

Components to be fabricated by 'customer'

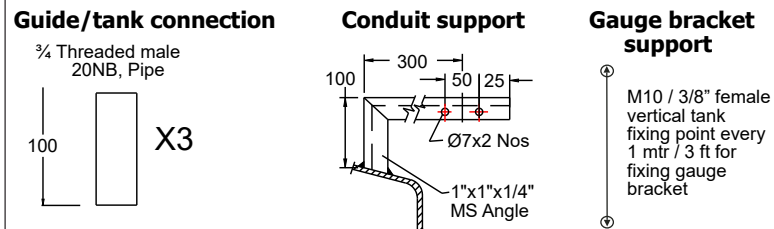
Components & Sub Assemblies



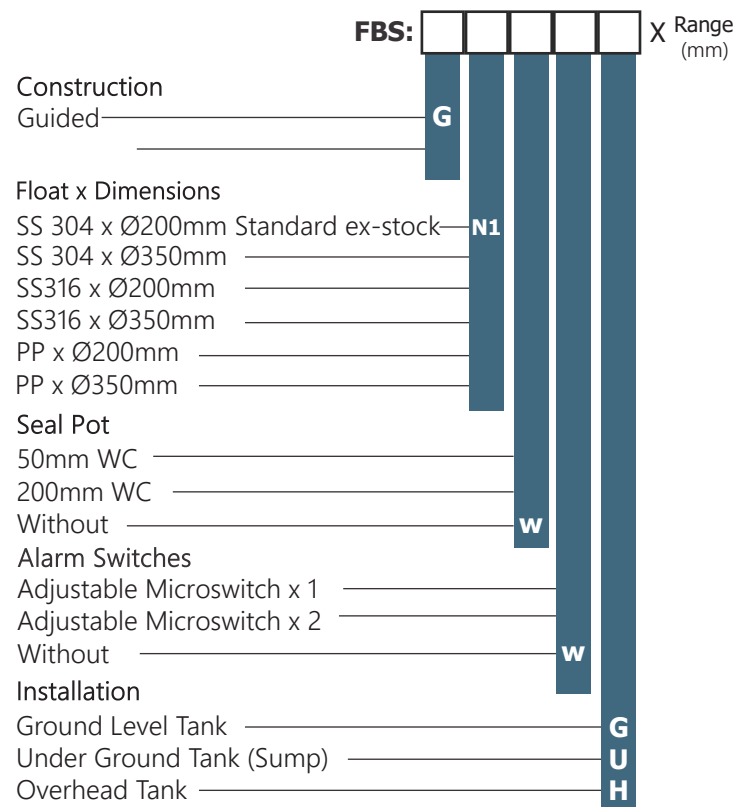
Installation



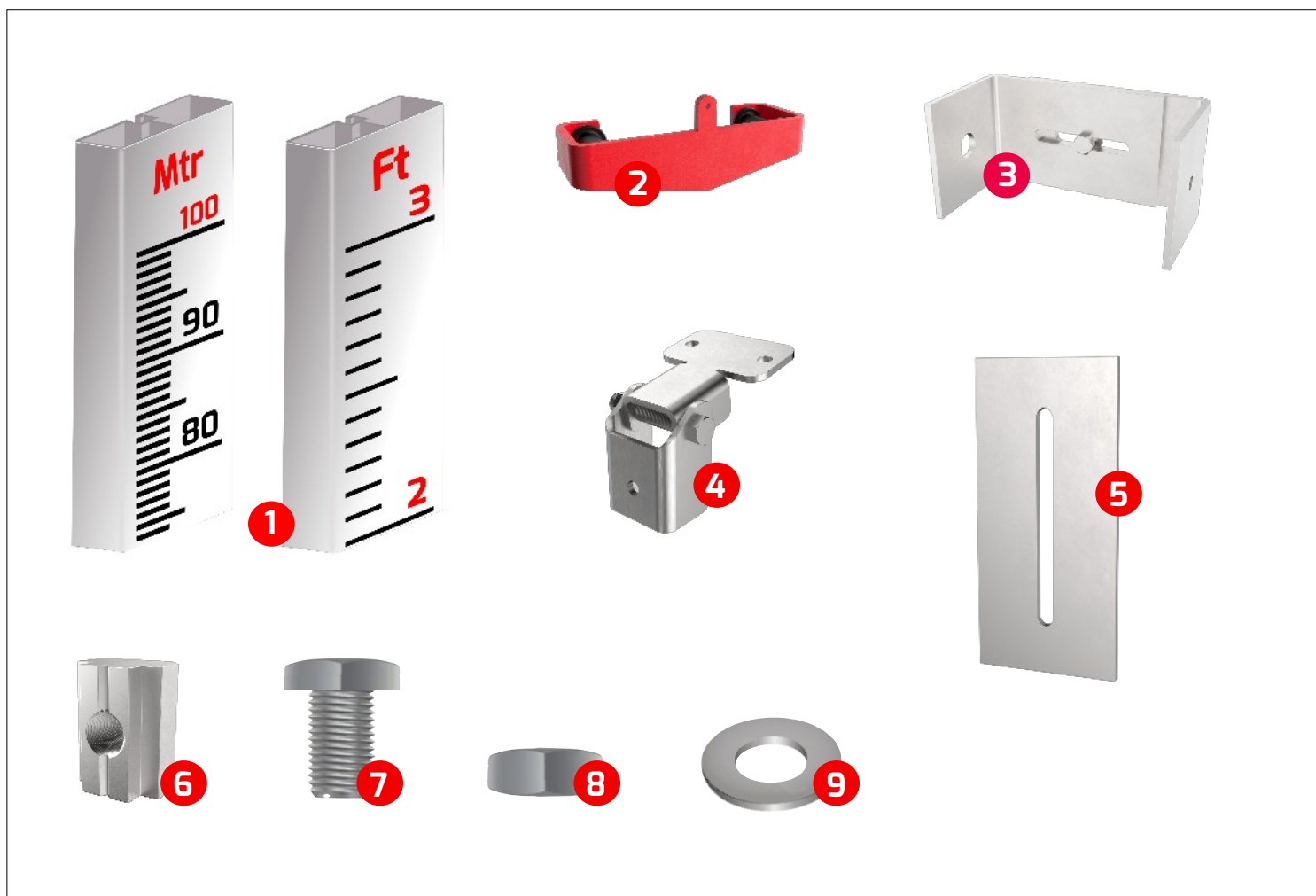
Components to be fabricated by customer



Model Identification



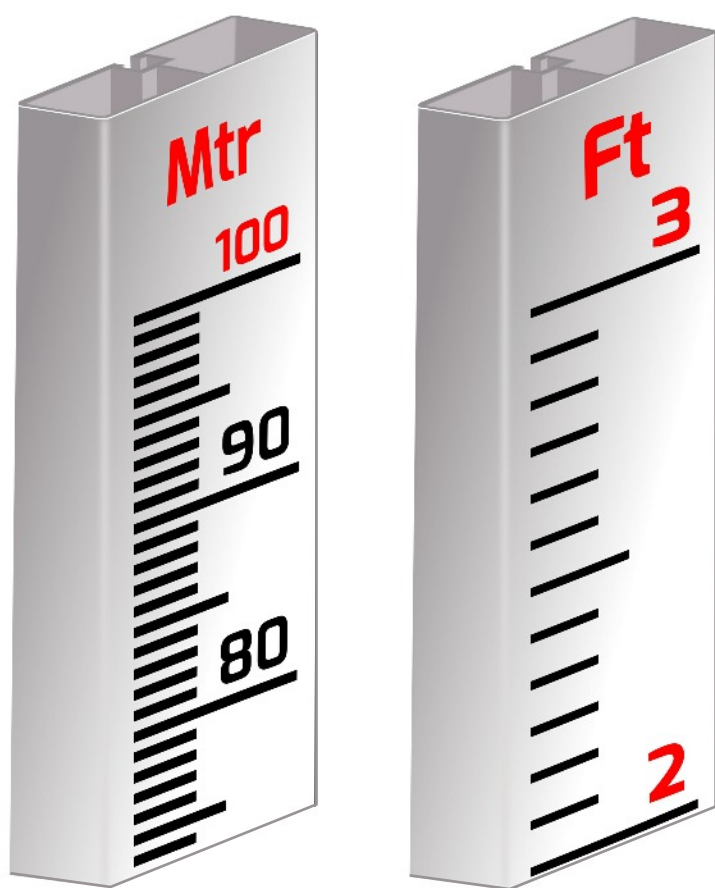
FBS : Full travel scale. FB(H) : Half travel scale



Gauge Board Components

No: Product description	Qty per system	Qty per 3' / 1mtr	Aluminium	St. Steel
1. Gauge board with calibrated level marking.		1	●	
2. Powder coated level indicator.	1			●
3. Adjustable Gauge board & Tank Bracket.	1			●
4. Adjustable indicator & gauge board bracket.		1		●
5. Gauge Board connector		2		●
6. M6 Tee nuts.		3		●
7. M6 x 14mm Hex Bolt		6		●
8. M6 Hex Nut		3		●
9. Plain Washer		5		●

The liquilevel STGB Gauge board system is supplied in kit form designed for simple and quick assembly to storage tanks on-site. Full installation and instruction manual is supplied with all LiquiLevel tank level indicators to cover installation of Level indicator to your storage tank. This manual explains the installation of the Gauge board to your storage tank. No. 4 not required if installed with FBS tank level Indicator System.



Gauge Board

Article number: 11023. Cm and metres

Article number: 11023. Inches & feet

The Gauge board is available in 2 options:-

A) Metric CM and Metres. Length of each gauge board: 1 mtr

B) Imperial inches and feet. Length of each gauge board: 3'

The Aluminium gauge board has been specifically designed for visual tank level monitoring. Strong, and weather resistant this gauge board is lightweight yet very strong and durable making installation safe and simple.

Fixing brackets and fixings to the gauge board is simple thanks to the slotted rail on the reverse side of the gauge board. Everything is fixed to the gauge board using this rail system and M6 tee nuts.

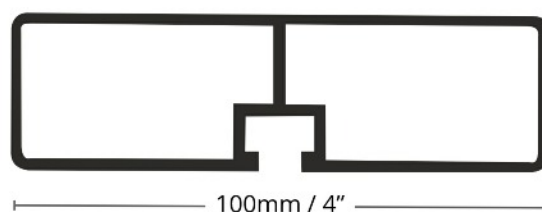
No fixings protrude through the face of the gauge board ensuring smooth running of the level indicator up and down the gauge board.

Gauge board with: 100mm / 6"

Gauge Board Fixings

All brackets including the level indicator are installed using a M6 Tee nuts designed to fix to the back of the gauge board for quick installation on site.

Tee nuts are supplied with the installation pack.



Ribbed design adds strength and durability to the aluminium profile.



Back of Aluminium gauge board showing M6 tee nut which can slide and be fixed at any point along its entire length.

Technical Specification

Product	Metric	Imperial	Note
Gauge board article number	11023	11024	
Installation pack article number	11033		
STXL Tank level indicator system	10080 for tanks up to 5 mtrs/16' high	10085 for tanks up to 10 mtrs/32' high	Sold separately
Measuring Range	0 - 10mtrs	0 - 33'	
Gauge Board Length	1mt / 1000mm	3'	
Gauge Board width	100mm	4"	
Gauge Board Depth	30mm	1 1/8"	
Net weight per Gauge Board	1.4 kg per 1mtr/3' length		
Material	Aluminium		
Calibration markings and numerals	Vinyl cut heavy duty label to suit both metric and imperial systems		
Level Indicator	5mm thick laser cut & folded stainless steel plate with Red powder coated finish		
Level indicator bearings	Black heavy duty Nylon roller with stainless steel shaft/screw		
Fixing method	brackets and gauge board profile uses M6 channel tee nuts		
Brackets	Stainless steel		
Fixings	Stainless steel		
Tank bracket adjustment	+/-50mm/2"		
Fixing Size	M6		
Spanner/ratchet size: mm	10		
Tank cover/top	90°		