



FLOW & CONTROL SYSTEM PRIVATE LTD

Catalogue:

Top & Side Mount Type Magnetic Level Indicator

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Read this Manual Before Installation

This manual contains essential information about Magnetic liquid level indicators. Please read all instructions carefully and follow the steps given in order.

Manual Conventions

This manual uses specific styles and symbols to share technical details, supporting information, and safety guidance. General explanations are written in plain text, while special notices are highlighted as Notes, Cautions, and Warnings.

- **Notes:** Provide additional information or clarification about an operating step. Notes are meant to assist understanding and do not normally include actions.
- **⚠ Caution:** Indicate conditions that could cause minor injury, equipment damage, or reduce system integrity. Cautions also highlight unsafe practices or the need for special tools, materials, or protective gear.
- **Warnings:** Identify serious hazards that could lead to major injury or death. A warning signals an immediate danger if proper precautions are not taken.

Safety Instructions

- Always follow standard safety practices when working with electrical equipment, especially high-voltage systems. Disconnect power before touching or servicing any components.

⚠ Warning: Explosion risk — do not connect or disconnect any device unless power is turned off or the area is verified to be non-hazardous.

Low Voltage Directive:

This product is intended for Installation Category II, Pollution Degree 2. Any use beyond manufacturer instructions may reduce the equipment's safety and protection.

Warranty

All Flow & Control System mechanical level controls carry a three-year warranty, and electronic level controls carry an eighteen-month warranty from the date of factory shipment. If a unit fails within the warranty period and inspection confirms a manufacturing defect, Flow & Control System will repair or replace it free of charge, excluding transportation costs.

The company is not responsible for misapplication, labour costs, or any direct or indirect damages arising from installation or use. No other warranties apply unless specified in writing for certain products.

Quality Assurance

Flow & Control System maintains a rigorous quality management system to ensure consistent product and service excellence. The company's corporate quality assurance program is ISO 9001 certified, demonstrating compliance with recognized international standards and a commitment to total customer satisfaction.

Copyright Notice

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Product specifications are valid as of the publication date and may change without prior notice. Flow & Control System reserves the right to modify product designs or manuals at any time and does not guarantee complete accuracy of the information provided herein.



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Top Mounted Magnetic Level Indicator

(FCSMLIT 1100 Series)

Introduction:

Harnessing the proven principles of mechanics and magnetism, Flow & Control Magnetic Level Indicators provide a safe, reliable, and trusted solution for monitoring hazardous and toxic liquids, even under extreme pressures and temperatures.

Working:

When the liquid level inside the tank increases, the float rises naturally due to buoyant force. Attached to the float is a stem fitted with a permanent magnet that travels within a stainless-steel chamber. Outside this chamber, a glass tube contains a red magnetic follower that is linked to the float magnet through magnetic attraction. As the float shifts with the liquid, the follower replicates its motion in exact alignment, providing a clear and precise level reading against the calibrated scale (see front view of the scale enclosure).

Side View

Flow & Control MLI Applications:

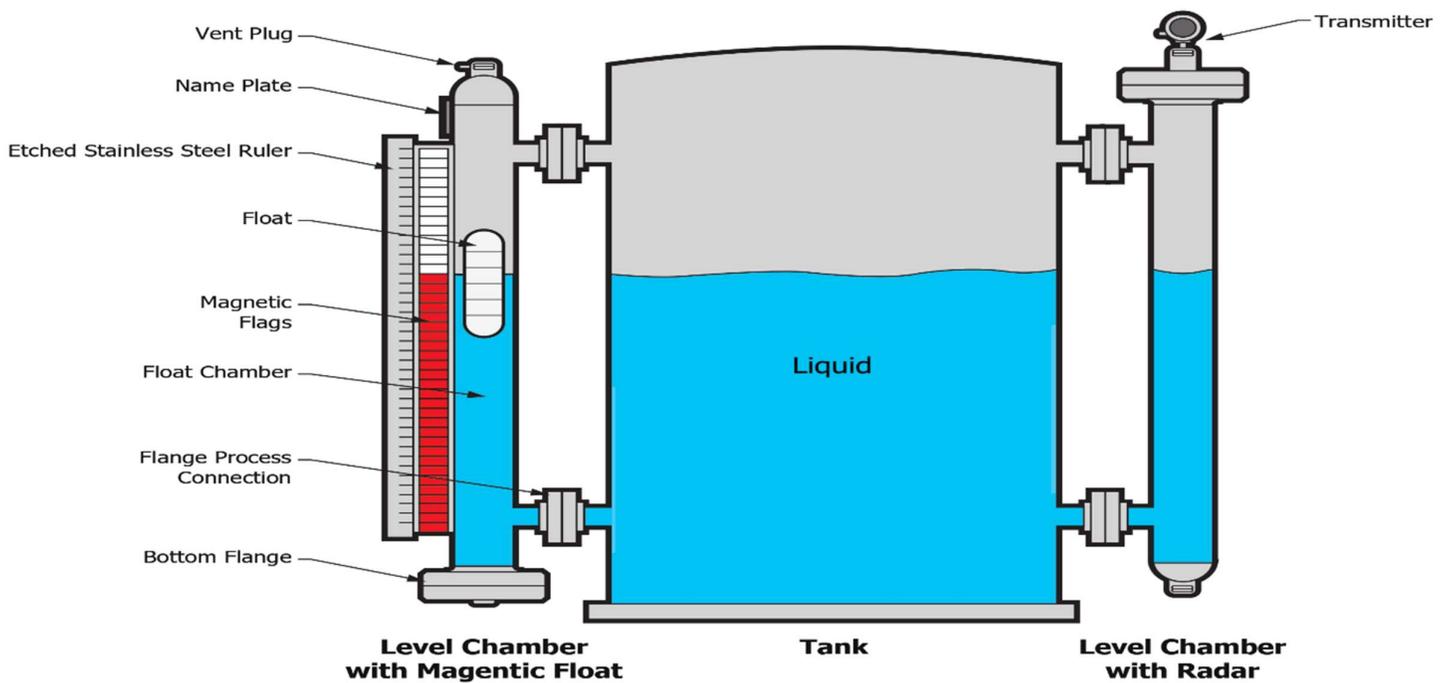
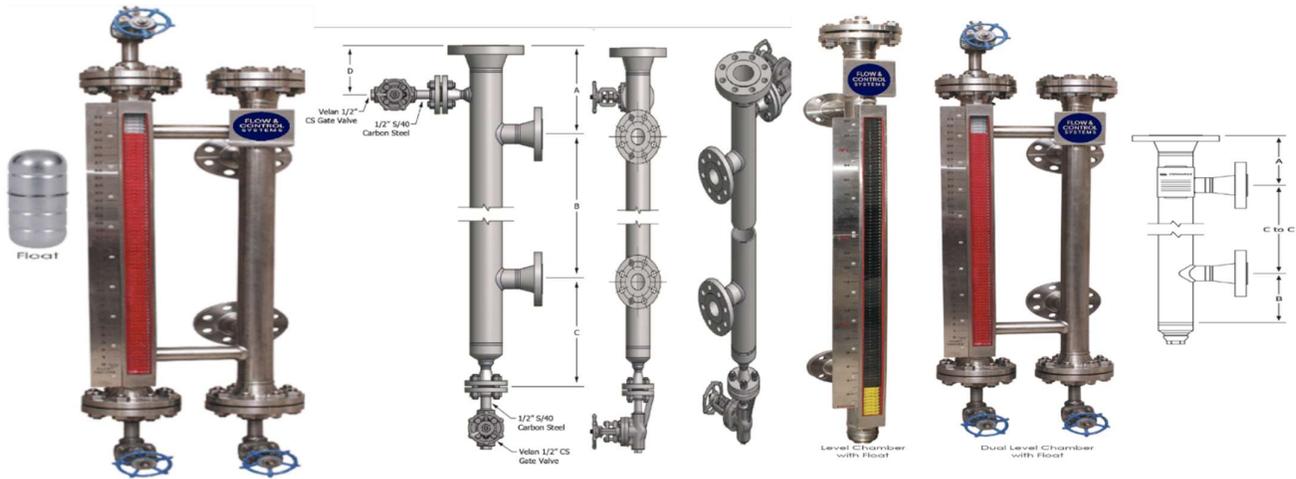
Dipstick substitute, Underground & Horizontal tanks, Corrosive acids such as H_2SO_4 , HNO_3 , Chlorosulphonic acid, Oleum, Acetic, CS. Solvent tanks such as benzene, Acetone, toluene, alcoholic liquids or any organic liquid, butadiene, vinyl acetate, vinyl chloride. Liquified Gases such as liquid chlorine, liquid ammonia, LPG Molten Sulphur, Phosphorus, Lead etc. Oils such as thermic fluid, Petrol Diesel. lubricants, edible oils. Poisonous liquids such as dimethyl amine, phosgene.

Principle:

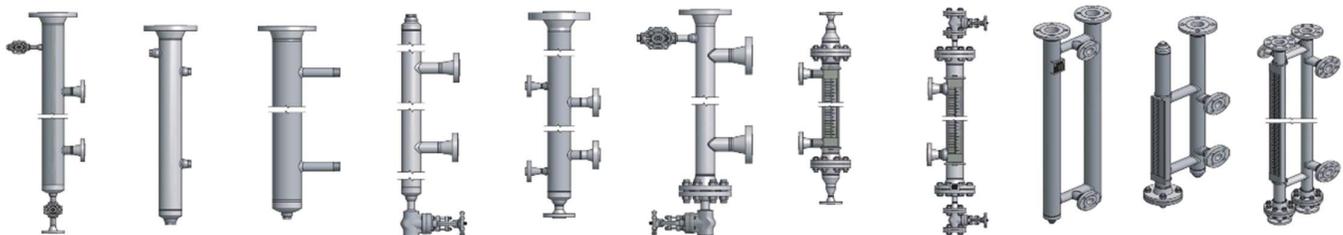
A float with a built-in magnet moves inside the chamber, indicating liquid level as the capsule shifts up or down by magnetic attraction. The float's position can also trigger external reed switches along the guide rod to control tank levels.



Level Chambers:

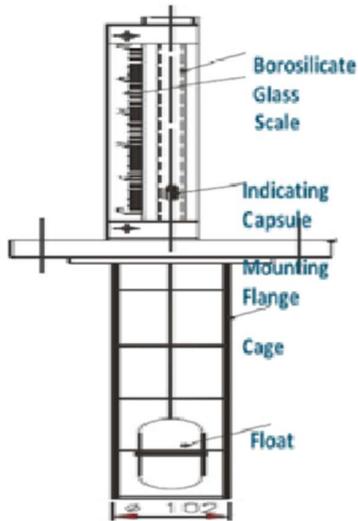


Examples of Level Chamber Configurations

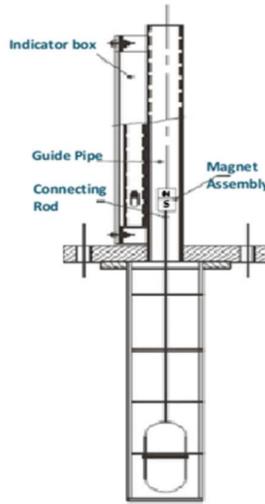




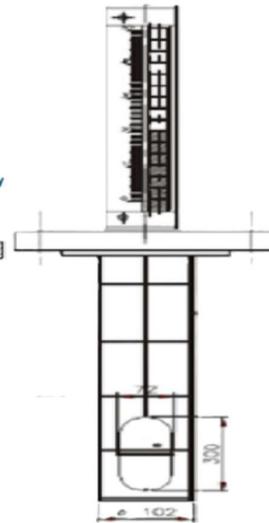
Top Mounted Magnetic Level Indicator with Magnetic Capsule And Magnetic Strips / Rotoball Indication



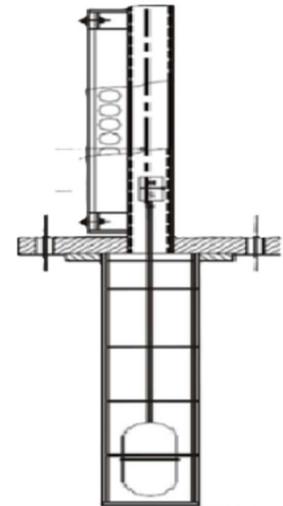
Side View



Elevation



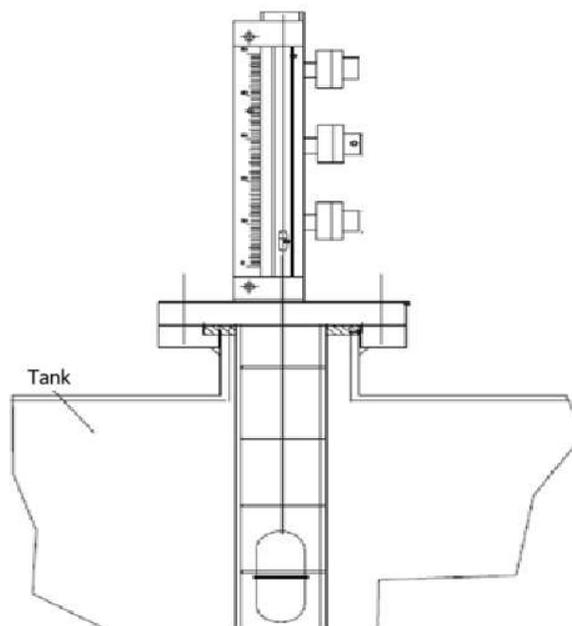
Side View



Elevation

Level Indicator with Magnetic Capsule Indication
PRODUCT CODE: FCSMLIT 1100

Level Indicator with Rotoball Indication
PRODUCT CODE: FCSMLIT 1100



LEVEL INDICATOR WITH LEVEL SWITCH
PRODUCT CODE FCS MLIT 1100 LS

Component:

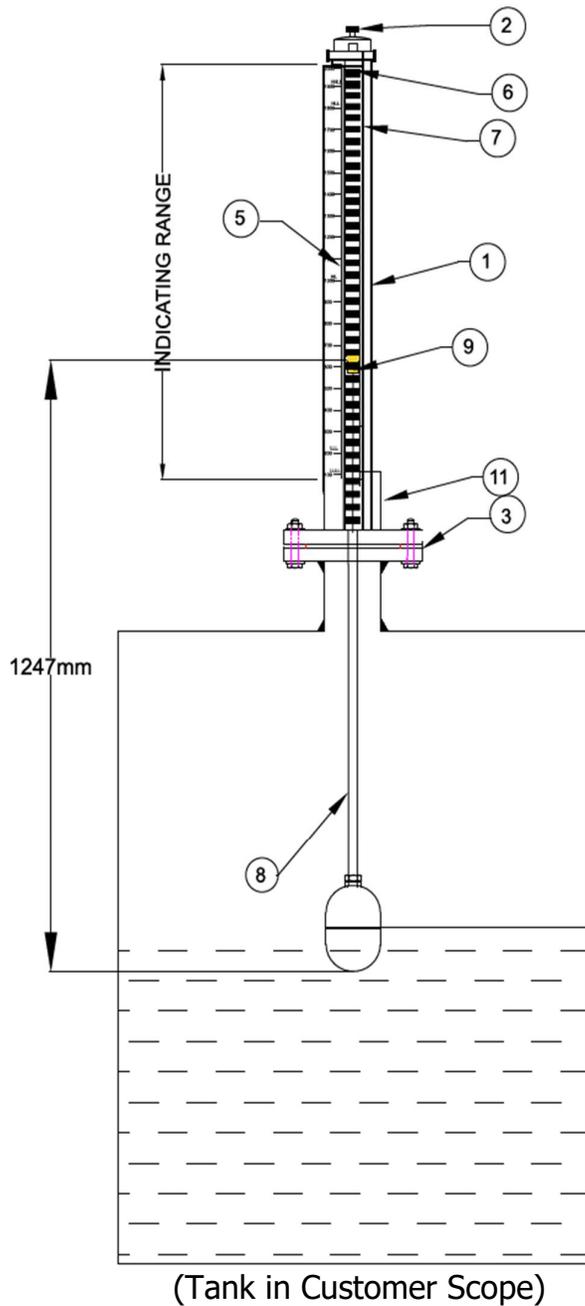
Specification:

Glass Type	Heavy duty Borosilicate
Level Indicating Capsule	Red + Black PVC with permanent ALNICO magnet in it.
Glass Protecting Channel	"G" section Aluminum painted / S.S Buffing Quality
Scale	Aluminum / Acrylic / Backlite / S.S 304 / S.S 316
Mounting	Top of the Tank
Float	SS 304 / 304 L / S.S 316 / S.S 316 L / P.P / PTFE / PVDF / HDPE Lined
Float Chamber	SS 304 / 304 L / S.S 316 / S.S 316 L / P.P / PTFE / PVDF / HDPE Lined
Connection	Flanged / Screwed



Title: GA Drawing for Top Mount Magnetic Level Gauge

Bill of Material



Sr. No.	Description	Material
1	Chamber	SS-304
2	Vent 1/2" NPT(M) Plug	SS-304
3	Process Conn. (4" *150#) Flange	SS-304
4	Float (200*200 mm)	SS-304
5	Scale	SS-304
6	Flapper (Red / White)	SS-304
7	Indicating Channel	SS-304
8	Rod 4 mm (Diameter)	SS-304
9	Magnet	SS-304
10	Float to Magnet Range	1247 mm

(MOC can be customised as per Customer's Requirement)



Side Mounted Magnetic Level Indicator

Introduction:

Utilizing a proven magnetic principle, this level indicator delivers absolute safety and reliability for hazardous liquids, ensuring accurate performance even under extreme pressures.

Working:

As the liquid level rises, the float in the stainless-steel chamber moves upward by buoyancy. An external indicator—glass tube with magnetic follower (MLI 2200) or PVC magnetic strip assembly (FCSMLI 2200)—is magnetically coupled with the float, moving in perfect sync. The level is shown by the follower capsule (MLI 2200) or by a clear color change in the strips (FCSMLI 2200), readable against the calibrated scale.



Flow & Control MLI Applications:

Designed for safe, reliable operation for:

Corrosive Acids: Oleum, H₂SO₄, HNO₃, Acetic acid

Solvents: Benzene, Toluene, Alcohols, CS₂

Liquefied Gases: LPG, NH₃, Chlorine, Propylene, Butadiene

Oils & Fuels: Vegetable oils, Fuel oils, Lubricants, Water

Toxic Liquids: DMA, PCl₃, SO₃.

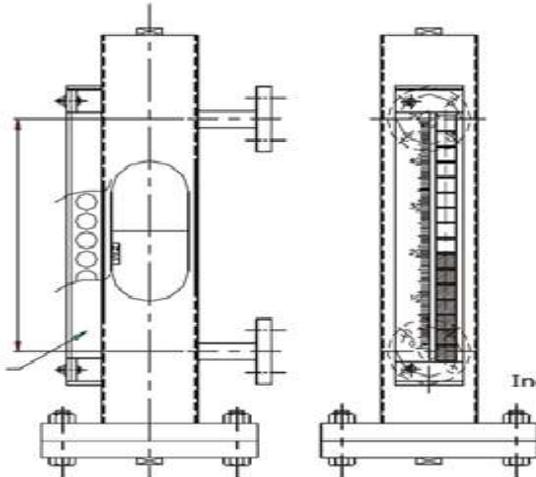
Principle:

The liquid level is indicated by a float with an embedded magnet moving inside an external chamber. The float's magnetic field drives a follower capsule that moves up or down in sync, clearly showing the tank level. The float position can also activate reed switches mounted outside the chamber for reliable high- and low-level control.





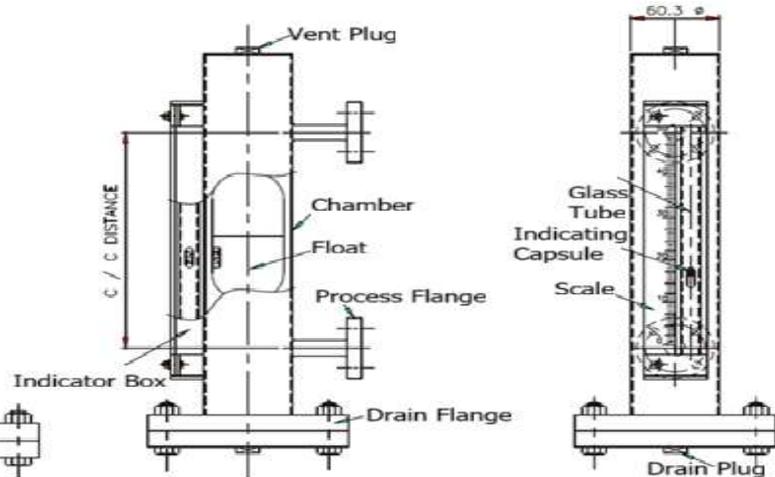
**LEVEL INDICATOR WITH MAGNETIC LEVEL SWITCH
STRIP/ROTOBALL INDICATION
PRODUCT CODE: FCS MLI 2200 FCFG TLS**



Side View

Elevation

**LEVEL INDICATOR WITH MAGNETIC CAPSULE INDICATION
PRODUCT CODE: FCSMLI 2200 FCSFG TLS**



Side View

Elevation

Component:

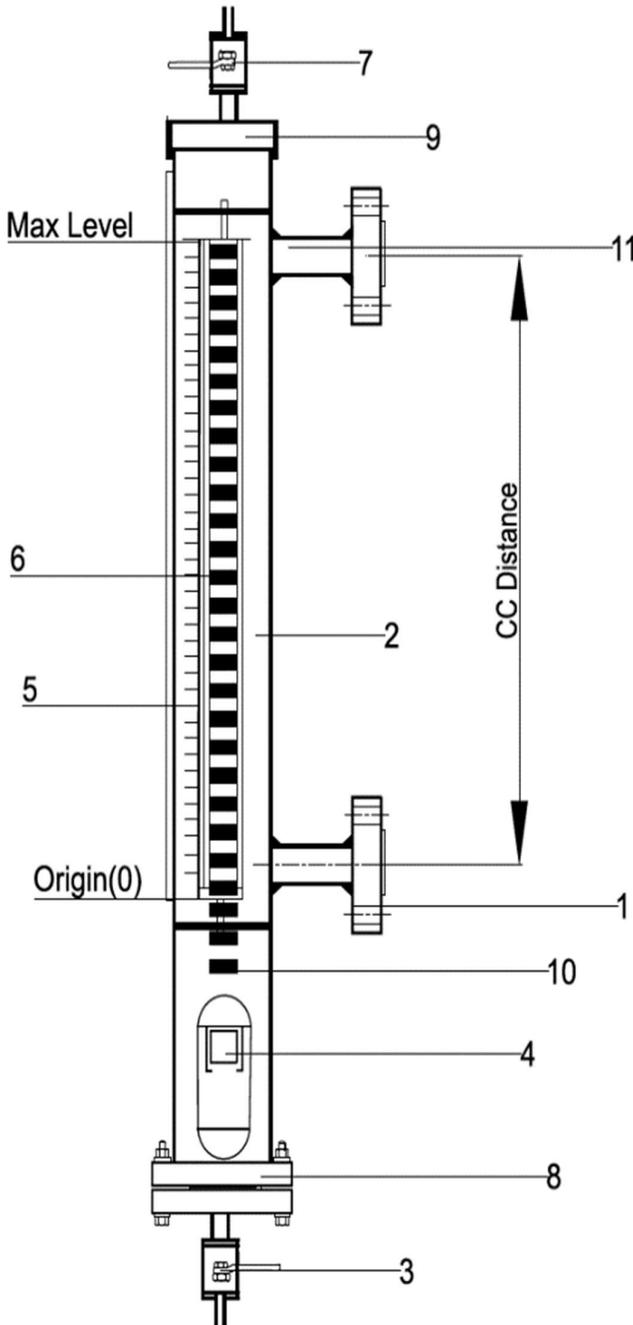
Specification:

Glass Tube	Heavy duty Borosilicate
Level Indicating Capsules/Strips	Red + Black PVC with permanent ALNICO magnet
Glass Protecting Channel	"G" section Aluminium painted / S.S Buffing Quality
Vent & Drain	½" BSP plug / Valve Provided
Scale	Aluminium / Acrylic / Backlite / S.S 304 / S.S 316
Mounting	Side
Float	SS 304 / 304 L / S.S 316 / S.S 316 L / P.P / PTFE / PVDF / HDPE Lined
Float Chamber	SS 304 / 304 L / S.S 316 / S.S 316 L / P.P / PTFE / PVDF / HDPE Lined
Connection	Flanged / Screwed



Title: GA Drawing for Magnetic Level Gauge

Bill of Material



Sr. No.	Description	Material	Qty.
1	Process Conn. 2" #300	SS-316L	2
2	Chamber Body Sch. 80	SS-316L	1
3	3/4" Drain Ball Valve	SS-316L	1
4	Float	Titanium	1
5	Scale (SS-316)	SS-316	1
6	Flapper	SS-316	1
7	Vent Ball Valve	SS-316L	1
8	Bottom Flange #300	SS-316L	2
9	Top Flange #300	SS-316L	1
10	Float Failure Indication	SS-316	1
11	Connecting Pipe 32x25	SS-316L	2



Top Mount Installation

⚠ Caution: This instrument is designed for use in Installation Category II and Pollution Degree 2 environments.

The top-mounted gauge can be installed as a complete assembly or disassembled to provide access inside the tank. It must be installed perfectly vertical to ensure smooth and accurate float movement. If disassembly is required, simply unscrew the threaded cap at the bottom flange or connection.

⚠ Caution: Take precautions to avoid bending the guide rod during installation or handling, as any deformation can affect float operation and measurement accuracy.

Top/Bottom Connection Installation

⚠ Caution: This instrument is designed for use in Installation Category II and Pollution Degree 2 environments.

Carefully unpack the Magnetic Level Indicator (MLI) and place it in a vertical position. The float stop disc at the bottom flange and the welded stop bar at the top of the gauge indicate the correct orientation, with the stop bar always marking the top of the unit.

⚠ Caution: Overall length should be $\pm 1/8$ ". Smooth float travel must be assured by no bending of the chamber pipe.

⚠ Caution: Use this equipment only in Installation Category II and Pollution Degree 2 environments. Do not exceed the maximum pressure indicated on the nameplate.



Side Mount Installation

Note: Top of gauge nameplates are available as an option.

The MLI nameplate can be used as bottom reference of the external cage. Install the cage to the vessel with nameplate at bottom. Isolation valves are recommended for installation between vessel and external cage. Check to ensure the external cage is vertical. All piping should be straight and free of “low spots” or “pockets” so that the lower liquid connection will drain toward the external cage. Adjust piping as required.

It is recommended a drain valve be installed in the bottom flange to allow cleaning and checking level. Close the isolation valves until start-up.

Initial installation of the Magnetic Level Indicator is simple. Unless otherwise specified, MLIs will be shipped from the factory assembled. The float will be shipped outside of the chamber unless otherwise noted. Make sure all process connections attached to the vessel which the gauge will be mounted to are vertically level, and flanges, if any are level.

Carefully unpack the MLI and stand it up vertically.

Note: Longer units need support of the entire length of the chamber while being lifted in place vertically. This will prevent bowing of the chamber, that could result in glass breakage. Once the gauge is mounted to the vessel and the liquid level rises inside the vessel, the gauge will become operational. Isolation valves are recommended. If isolation valves are used, care must be used when opening the valves to prevent a surge of fluid or gases through the chamber. A surge can cause the float to be propelled to the far end of the chamber and float is damage

⚠ Caution: If for any reason the MLI is pressurized higher than the maximum pressure indicated on the name tag, the float inside the chamber is subject to collapsing and causing float failure.

Note: Float is shipped in chamber.

Start-up: During commissioning, increase system pressure gradually. Carefully check for any leaks and ensure that the local indicator accurately reflects the liquid level. Confirm that all external accessories—such as switches, transmitters, and other devices—are operational and properly calibrated.

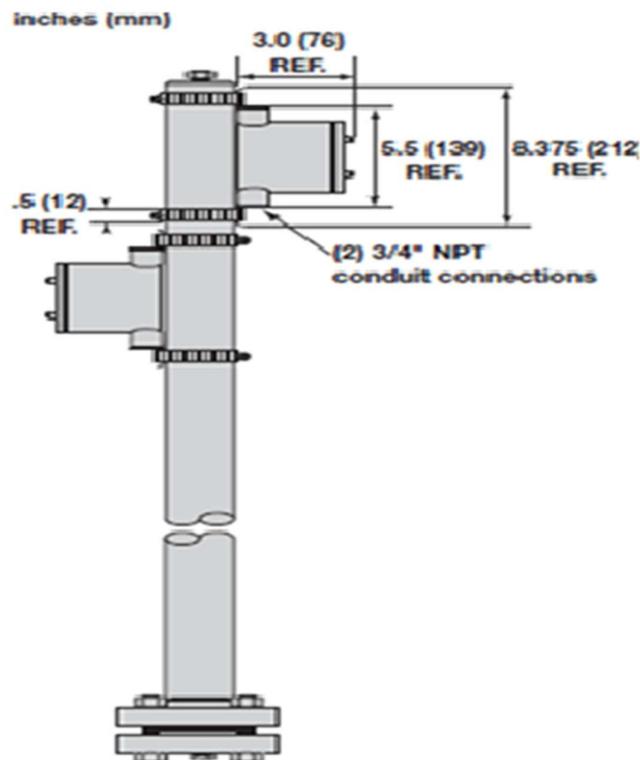
⚠ Caution: Open the bottom isolation valve slowly. Allow the liquid level to rise gradually until the MLI accurately reflects the level in the vessel. Open the bottom isolation valve slowly. Allow the liquid level to rise gradually until the MLI accurately reflects the level in the vessel.

Switch Installation:

FCS Cam Operated Switch:

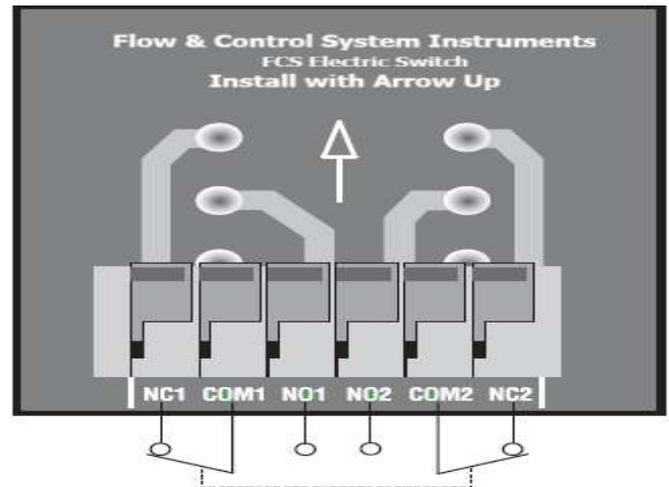
The Model FCS snap switch is designed to extend the control capabilities of FCS's magnetic level indicators (MLIs). This cam-operated, double-pole double-throw switch is clamp-mounted externally on the MLI, allowing for easy installation, repositioning, or addition of switches without interrupting the process.

The FCS switch(es) are pre-installed, calibrated, and factory-checked for correct orientation. Your unit may include one or more switches for alarming or control functions. To reposition a switch in the field, simply unscrew the clamp and slide the switch to the desired location. See Figure [insert figure reference].



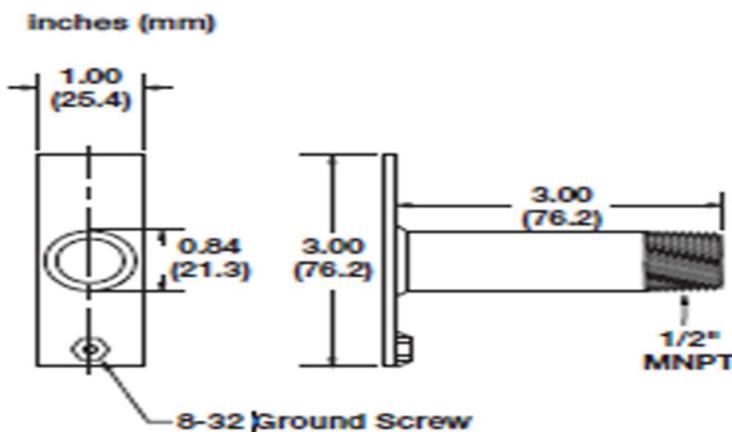


Wiring of FCS cam operated switch
Contact closure is shown with the
magnetic float below the switch

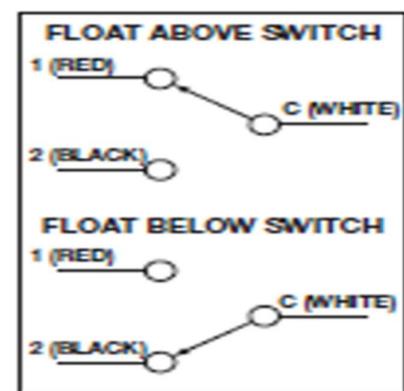


FCS Electric Reed Switch:

The Model FCS reed switch enhances the control functionality of FCS magnetic level indicators. Encased in an explosion-proof stainless-steel housing, it mounts externally to the MLI using clamps, allowing easy installation, addition, or repositioning without process interruption. Each switch is factory-installed, calibrated, and verified for correct orientation. Depending on application needs, one or more switches may be provided for alarm or control functions. To relocate a switch in the field, simply loosen the clamp and slide it to the desired position.



(Fig 1)



Wiring of ORS Reed Switch
Contact closure shown for both conditions of the switch relative to the magnetic float

(Fig 2)



Mounting and Wiring Instructions:

FCS Transmitter or Switching Model

⚠ Caution: Use the equipment only as specified by the manufacturer. Improper use or installation may reduce the protection and performance of the instrument.

To install the FCS reed switch, loosen the mounting clamps and position the switch on the body of the Special Transmitter or Switching Model so that the center line of the stainless-steel tube is aligned with the desired switching level. Ensure the green ground screw is positioned toward the bottom of the unit. Tighten the clamps securely to fix the switch in place. If insulation is required, place it between the instrument body and the switch before tightening the clamps. When mounting, position the switch as close to the indicator side as possible for accurate operation.

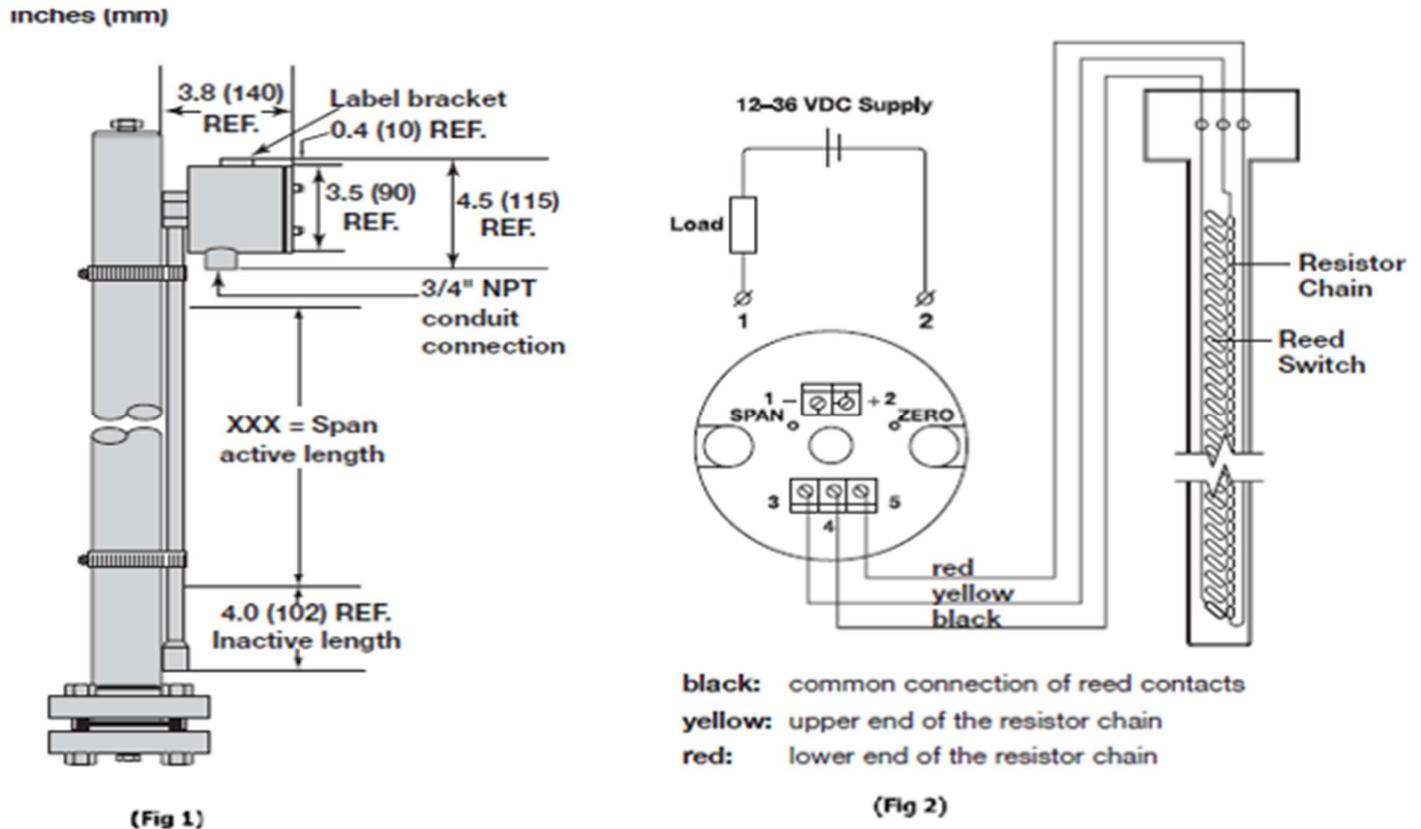
Wiring: Leads from the potted end of the switch housing are color-coded:

- White: Common
- Black: Normally Closed
- Red: Normally Open

Notes:

- Use wire rated for at least +167 °F (+75 °C). Minimum 14 AWG for power and ground field wires.
- The housing must be grounded via the protective ground screw on the lower mounting tab.
- For ambient temperatures above +158 °F (+70 °C), use cables rated for +185 °F (+85 °C) with the certified junction box.

FCS Analog Transmitter Installation:



FCS Reed Transmitter

The FCS analog transmitter mounts directly to the side of the chamber and provides a continuous 4–20 mA output signal proportional to liquid level. Using surface-mounted reed switches on a printed circuit board, the unit achieves a level accuracy of $\pm 0.50''$ (13 mm).

The transmitter is shipped attached to the MLI gauge and is pre-calibrated to the customer-specified span (see Figure 8). Refer to Figure 9 for wire terminations.



Installation:

- Simplified by gear clamps that can be repositioned with a screwdriver.
- If the MLI is insulated, the analog transmitter probe must remain outside the insulation blanket.

Electrical and Safety Notes:

- Use wire rated for at least +167 °F (+75 °C). Minimum 14 AWG for power and ground field wires.
- Housing must be grounded via the protective ground screw at the base.
 - Compliance with applicable installation codes and practices is the customer's responsibility. Class I, Division 1 locations may contain explosive gases—take appropriate precautions. Installation must be performed by qualified personnel.

For ambient temperatures above +158 °F (+70 °C), use cables rated up to +185 °F (+85 °C).

In hazardous areas, do not power the unit until the conduit is sealed and the enclosure cover is securely fastened.

Internal Electronic Transmitter Installation

- The Model allows installation of various continuous measuring instruments (transmitters) or point level control devices (switches). The electronic instrument mounts in the 2" or 3" secondary chamber of the MLI.
- Consult the factory to review operating parameters and ensure correct application.
- As the electronic instrument is supplied separately, carefully review its instruction manual before installation. The manual will be shipped with the instrument.

Theory of Operation:

Side Mount Operation:

The MLI uses a float with a strong internal magnet, weighted to match the specific gravity of the measured fluid. As the liquid level in the vessel rises or falls, the float moves vertically within the non-magnetic chamber.

Attached to the external wall of the chamber is a hermetically sealed, non-porous glass tube containing a highly visible fluorescent orange indicator or flags, each with a strong magnetic assembly. The indicator is magnetically coupled to the float, providing a precise and accurate visual representation of the fluid level. (See Fig 1, 2)



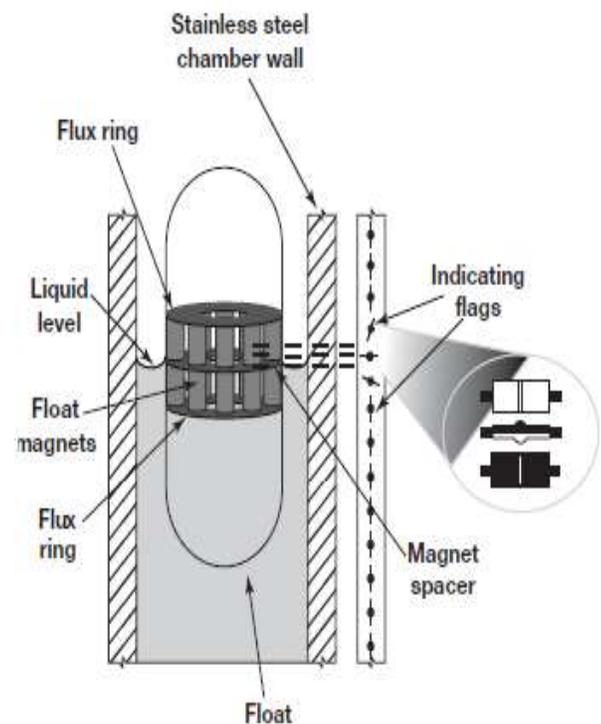
(Fig 1)

Top Mount Operation:

The top-mounted MLI features a float assembly with a magnet at the top, a guide rod in the middle, and a float at the bottom. The bottom float is submerged in the vessel's liquid, and the entire assembly is weighted according to the specific gravity of the fluid being measured.

Attached to the external wall of the non-magnetic chamber is a hermetically sealed, non-porous glass tube containing a highly visible fluorescent orange indicator or flags, each with a strong magnetic assembly. The indicator or flags are magnetically coupled to the float assembly, providing an accurate visual representation of the liquid level.

(See Fig 1, 2)



(Fig 2)



Troubleshooting: Top Mount

Problem

The float assembly or visual indicator is moving slowly or not at all.

My scale is at the center of the zero mark on the outside of the top mount chamber but the indicator is above or below zero.

Solution

Make sure the vessel opening or flange connection that the top mount flange connects to is level. The top mount guide rod assembly may be bent. Visual inspection is required. The process fluid in the vessel may be too viscous, Heating the vessel to make the process fluid more liquid may be required. The specific gravity of the process fluid and the float may need to be reverified. Visual inspection of the float inside the process fluid may be required to see if the float has collapsed.

The scale assembly is mounted to the chamber using stainless steel gear clamps. It can be easily adjusted in the field using a screwdriver. Make sure the scale zero is in line with the zero mark on the outside of the top mount chamber. The float stop spring at the top of the chamber is there to cushion the magnet assembly. Make sure the bottom float stop tube is not bent or broken. The float stop tube is at the bottom inside the chamber. It is there to stop the magnet assembly at the zero mark on the outside of the chamber.



Troubleshooting: Side Mount

Problem	Solution
Flags do not rotate with level change.	Test flags with a magnet from bottom to top (magnet not included). If flags test correctly, check for float obstruction. (See Maintenance <i>Section</i>)
Flags rotate at different height than actual level.	Float may be rated for a different specific gravity. Replace float with the correct rating and confirm float orientation is top up.
Float inside the level gauge moves slowly or not at all.	Ensure the MLI is vertical. Fluid may be too viscous; heat tracing may be required (available from factory). Reverify float weight vs. fluid specific gravity. Inspect for magnetic particle buildup and check if the float has collapsed.
Switch does not actuate with level change.	Check micro switch for continuity; replace if damaged. If okay, remove the switch and test the magnet assembly with a re-alignment magnet. Replace the switch if it fails. Verify float travel if switch tests okay.
Reed transmitter does not track level.	Remove the transmitter and test with a re-alignment magnet from bottom to top of the reed chain. Check zero and span calibration. Replace if output does not change.
Scale is at zero to the center of the bottom process connection, but the indicator is above or below zero.	The scale is mounted with stainless steel gear clamps. Adjust in the field using a screwdriver so scale zero aligns with the center of the process connection.
Float stop springs at each end are bent or broken.	The springs cushion and center the float assembly. Ensure top and bottom springs are intact and properly positioned.
Shuttle indicator has uncoupled and fallen to the bottom of the glass tube.	In flashing applications, the float may move quickly. Consult factory for guidance. To re-couple, use a small magnet along the chamber to locate the float, mark its position, and pull the indicator up to meet the float. Ensure gear clamps are tight and the scale channel is snug.



Spare Parts

Spare parts are available for Flow and Control System's MLIs and certain switches and transmitters; Please Consult the factory for specific model number and serial number available for reference.

Maintenance:

Regular inspections are essential to ensure the level control system operates reliably. This device serves as a safety mechanism to protect valuable equipment.

If the process liquid is clean and free of solids or deposits, the Magnetic Level Indicator (MLI) will require minimal maintenance. However, if the liquid contains impurities or buildup, it is advisable to isolate the external chamber from the process and flush it periodically.

For thorough cleaning, drain the unit, remove the bottom flange and float, and inspect both the float and chamber for any residue or buildup. Clean as necessary.

Magnetic traps can also be installed to prevent magnetic particles from entering the chamber from the process vessel.



Data required to submit the quotation:

- Product Code
- Name of the Liquid
- Operating Temperature
- Operating Pressure
- Operating Density
- Center to Center Distance
- Operating Specific Gravity
- Connection Details
- Material Of Construction
- Accessories
- Nozzle Size



Quality Assurance Plan: Side Mounted MLI

Quality Assurance Plan: Side Mount Magnetic Level Indicator										
No.	Component	Check Characteristic	Type of Check	Quantum of Check	Reference Standard Documents/Acceptance Norms	Format of Records				
						M	C	V	W	
A. Materials										
1	Pipe, Float, Plate, Flange	Surface finish & Dimensions.	Visual & Dimensional	100%	As per requirement given in P.O. approved Drawings. & given Std. Specification	Goods Receipt Note	✓	✓	C	
2	Pipe, Float, Flange	Chemical properties.	chemical	Random	As per requirement given in P.O. approved Drawings. & given Std. Specification	Mfr.'s Lab T.C.	✓	✓	C	
3	Channel, Scale	Surface finish & Dimensions.	Visual & Dimensional	100%	As per requirement given in P.O. approved Drawings. & given Std. Specification	Goods Receipt Note.	✓	✓	C	
B. BOUGHT OUTS / JOB WORK										
1	Glass tube, Magnet, Capsule	Surface finish & Dimensions.	Visual & Dimensional	Random	From Approved Vendor.	Goods Receipt Note	✓	✓	C	
2	Fasteners, gasket etc.	Surface Finish, Dimensions	Visual & Dimensional	Random	From Approved Vendor.	Goods Receipt Note	✓	✓	C	
C. IN PROCESS										
1	Machining	Dimension	Measurement	100%	As per Approved Drawing Of Mfr.	Internal Inspection Report	✓	✓	C	
2	Welding	Welding Quality	Visual	100%	As per Approved Drawing Of Mfr.	Internal Inspection Report	✓	✓	C	
3	Assembly	Dimensions & conformity orientation	Visual & Dimensional	100%	As per Approved Drawing Of Mfr.	Internal Inspection Report	✓	✓	C	
4	Testing	Leak Tightness	Hydro Test	100%	No leak at rated pressure for 20 min.	Internal Inspection Report	✓	✓	C	
5	Painting & cleaning	Surface finish	Visual	100%	As per P.O. & approved Drawing Of Mfg.	Internal Inspection Report	✓	✓	C	
6	Final Inspection	Final finish & Appearance	Visual	100%	• Good Finish	Internal Inspection Report	✓	✓	C	
		Completeness of supply with spares & access.	Visual	100%	• As per P.O. & App. Drawing					

Legends:

◦C: Customer, ◦M: Manufacturer, ◦P: Perform, ◦V: Verify, ◦W: Witness

◦Performance Test Procedure: ◦Performance Test: M-100%, C-10%

The Magnetic Level Indicator (MLI) will be connected to the prototype tank. Upon opening the inlet valve, liquid will begin to flow into the MLI chamber. As the liquid level rises, the float inside the chamber will move correspondingly, causing the indicator flappers to rotate in accordance with the liquid height. During controlled drainage, the magnetic flappers will gradually return to their original position, accurately reflecting the decreasing level within the chamber.

◦Testing 100% by M/s Flow & Control (P) Ltd. and Client may witness randomly as agreed upon.

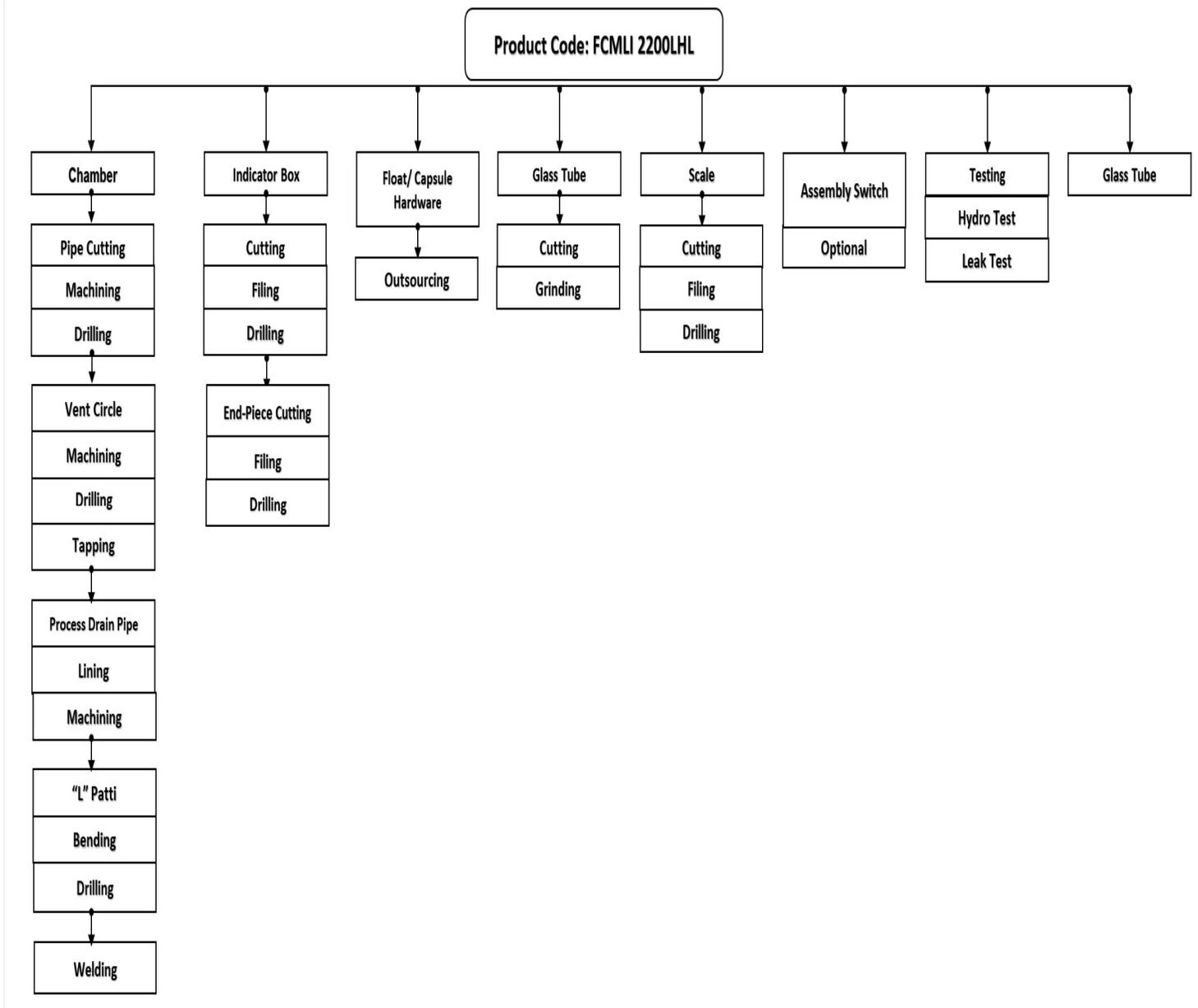
Prepared By: (QC Engineer)

Approved By: (Technical Head)

Remarks:



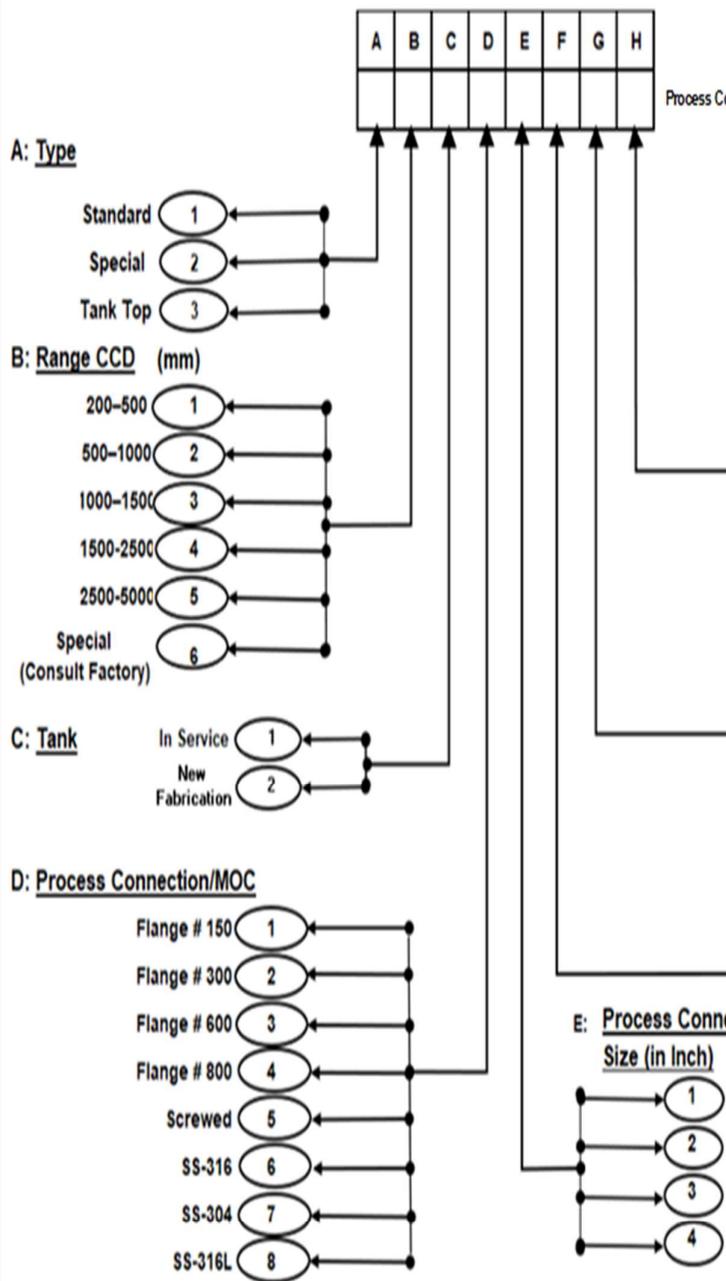
Process Flow Chart: Side Mounted Magnetic Level Indicator





DE codification: Side Mounted Magnetic Level Indicator

Order Code:



Type	A	1	2	3	-	-	-	-	-
Range	B	1	2	3	4	5	6	-	-
Tank	C	1	2	-	-	-	-	-	-
Process Connection/MOC	D	1	2	3	4	5	6	7	8
Process Connection Flange Size (inch)	E	1	2	3	4	5	6	7	8
Application	F	1	2	3	4	-	-	-	-
Float Scale	G	1	2	3	4	-	-	-	-
Valve	H	1	2	3	4	-	-	-	-
Transmitter Model	*Note: For any Specific Requirement Please Consult Factory at above mentioned Email/Numbers								
Switching Model									

Reviewed & Approved By: Technical Head

Remarks:



Assured Quality & Less Service Cost

Service Policy

Owners may return any Flow & Control System instrument or component for rebuilding or replacement. Returns must be shipped prepaid. The company will repair or replace the gauge free of charge, excluding transportation costs, provided that, if:

- **Returned within the warranty period; and**
- **The factory inspection finds the cause of the claim to be covered under the warranty.**

If the issue arises from conditions beyond our control or is not covered under warranty, charges for labour and replacement parts will apply. In certain cases, it may be necessary to ship replacement parts or a new instrument before the original is returned.

To arrange this, please provide the model and serial numbers of the instrument to be replaced. Credit for returned materials will be determined based on warranty applicability. Claims for misapplication, labour, or consequential damages will not be accepted.

Return Material Procedure

To ensure efficient processing of returned materials, a Return Material Authorization (RMA) number must be obtained from the factory before shipment. This can be arranged through your local Flow & Control System representative or by contacting the factory directly. Please provide the following information:

- | | | |
|-----------------------------|-----------------------------------|-------------------------|
| 1. Company Name | 2. Description of Material | 3. Serial Number |
| 4. Reason for Return | 5. Application | |

Units previously used in a process must be thoroughly cleaned in accordance with Occupational Safety and Health Administration (OSHA) standards before return. A Material Safety Data Sheet (MSDS) must accompany any unit exposed to process media. All returns must be shipped prepaid, and all replacements will be dispatched F.O.B. factory.



Flow & Control System Private Limited

ISO 9001-2015 Certified Company

CIN No: U74140DL2015PTC277814

Our Footprints in India and Across the Globe

Trusted by leading organizations in Energy, Oil & Gas, Power & Process Industries.



COCHIN SHIPYARD LTD



भारतीय नभिकिया विद्युत निगम लिमिटेड
Bharatiya Nabhikiya Vidyut Nigam Limited



Chhattisgarh State Power
Generation Company Limited



एनटीपीसी-सेल पावर कम्पनी लिमिटेड
(एनटीपीसी की ओर से संचालित)



राष्ट्रीय केमिकल्स एंड फर्टि ताइज़र्स लिमिटेड

Rashtriya Chemicals and Fertilizers Limited



Maharashtra State Power Generation Co. Ltd.



Manufacturing Units:

MIDDLE EAST

Flow & Control System Private Ltd.
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Flow & Control System Private Ltd

Works: 16/5, Main Mathura Road Plot No: 11,

Lane No: 2 Karkhana Bagh, Opposite: DPS

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