

Series 3411LS : MF

Magnetic Float Level Switch

Top mounted

MF



Working Principle & Operation

Consisting of Float and Guide Tube, made of non magnetic material to achieve magnetic flux. The float designed with magnetic system and moves freely along the guide tube, which contains a glass encapsulated hermetically sealed Reed switch located at preset positions. Float follows liquid level and actuates reed switch at preset positions which will give a changeover contact. Single or multiple set points can be achieved through single or multiple floats as required.

Features

- Sturdy and versatile
- Easy installation
- Rugged construction
- Multi application

Applications

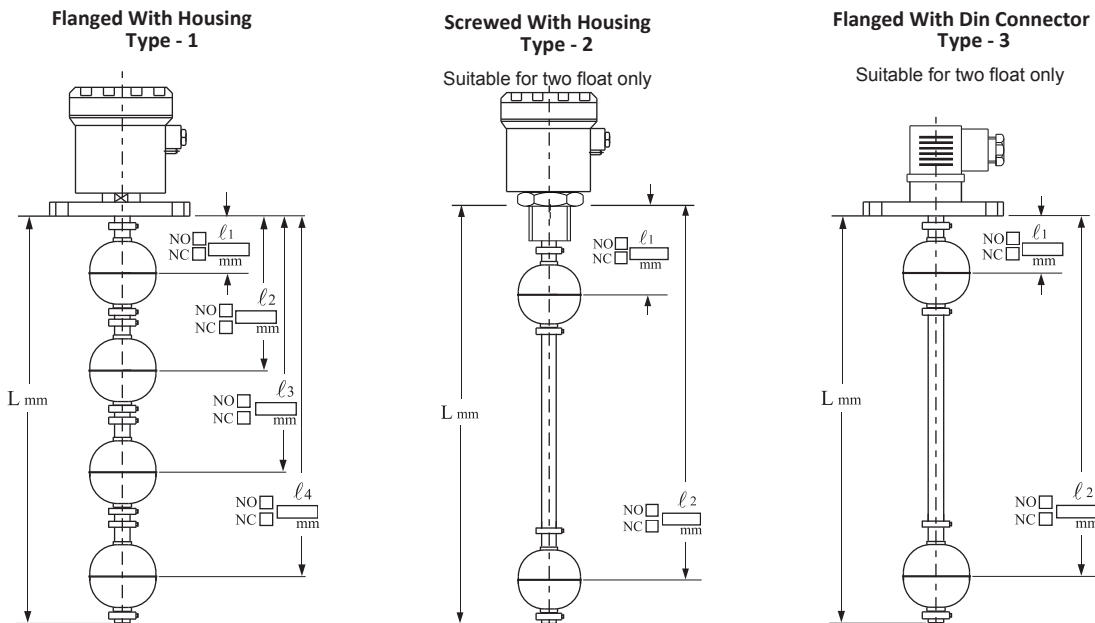
- Oil reservoir
- Coolant tank
- Sterilizing equipment
- Chemical processing system
- Pump control

Specifications

Standard Version

Housing material	: Die-cast Aluminum
Ingress protection	: IP 65
Material of wetted parts	: AISI 316 SS
Cable entry	: ½" BSP (F) with ½" BSP (M) Conduit
Switch differential	: ± 5 mm
Range	: 200 to 3500 mm
Reed switch	: 1 SPST
Switch rating	: 0.5 A / 250 VAC
Minimum specific gravity	: 0.8
Maximum operating temperature	: 100 °C
Maximum operating pressure	: 10 kg/cm ²

Dimensions - Standard Version



Notes : • Drawings are not to scale. • All Dimensions are in mm

Note: Design and Specifications subject to change without prior notice.

How To Order - Ordering Example: 3411LS.MF.2.A.1.SS.15NPM.800mm.4.L1=60mm, L2=180mm, L3=320mm, L4=600mm.ST

Basic Model		3411LS : MF					
Code	Type						
1	Flanged With Housing						
2	Screwed With Housing						
3	Flanged With Din Connector						
Code	Housing Material						
A	Die Cast Aluminum (for type 1 & 2 only)						
P	Plastic (For Type 3 only)						
SS	AISI 316 SS						
Code	Reed Switch	(*Available for Type 1 & 2 only)					
1	1 SPST (0.5 Amp, 230 VAC) (Standard)						
2	1 SPDT (0.5 Amp, 230 VAC)*						
Code	Process Connection Material	Code	Process Connection Material				
SS	AISI 316 SS (Standard)	PP	Polypropylene				
SSL	AISI 316L SS						
Code	Process Connection	Flanged (As per ANSI B 16.5)					
D01	92 Mm PCD Square Flange	15NPM	1 ½" NPT (M)	B39	2" 150# RF	B40	2" 300# RF
D02	92 Mm PCD Round Flange (standard)	20NPM	2" NPT (M)	B45	2½" 150# RF	B46	2½" 300# RF
		15BSM	1 ½" BSP (M)	B51	3" 150# RF	B52	3" 300# RF
		20BSM	2" BSP (M)	C33	4" 150# RF	C34	4" 300# RF
Code	Probe Length (L)						
XX	Please specify in mm between 200 mm to 3500 mm.						
Code	Number Of Floats (For Type 3, select 1 only)						
1	One	2	Two	3	Three	4	Four
Code	Switch Points (Distance below process connection)						
L1 L2 L3 L4	Please specify in mm. Example: L1= 60 mm, L2 = 180 mm, L3 = 320 mm & L4 = 600 mm Minimum distance between two set points >100 mm						
Code	Options						
MF	Matching Flange			GB	Housing - Suitable For Gas Group II A / II B		
ST	SS Tag Plate			GC	Housing - Suitable For Gas Group II C		
MTC	Material Test Certificates**			PPF	Polypropylene Float		

For non standard products / optional items, please contact factory for delivery and minimum quantity of order.

** Material test certificates will be provided for wetted parts only with chemical composition testing.

For others, please consult factory.