

LevelSite®

Model LSSM, LTBM, LTSM, LSBM

Features

- Safe, accident-proof design
- Rugged, welded stainless steel construction
- Maintenance-free - no need to be removed from service for cleaning

Applications

- Lube oil console systems
- Hot water/condensate steam systems
- Industrial refrigeration
- Storage tanks
- Solvent recovery systems
- Marine applications
- Industrial refrigeration
- Scrubbers
- Semi-conductor industry



General Specifications*

Ranges: Temperature:	To 302°F (150°C)
Pressure:	Vacuum to 1,000 psig (68 bar) at 100°F (38°C)
Proof Pressure:	1.5 times maximum flange pressure @ 72°F (22°C)
Accessories:	- Limit switches - Measuring scale - Remote continuous tank level indicating system - Aluminum rotating flag assembly
Maximum Length:	- 20 feet - continuous (6,000 mm) - 65 feet - multiple (19,800 mm)
Inner Housing Diameter:	2-3/8" (60 mm)
Wall Thickness:	5/64" (2 mm)
Float Housing Material:	316 stainless steel or titanium ¹

* See product configurator for additional options.

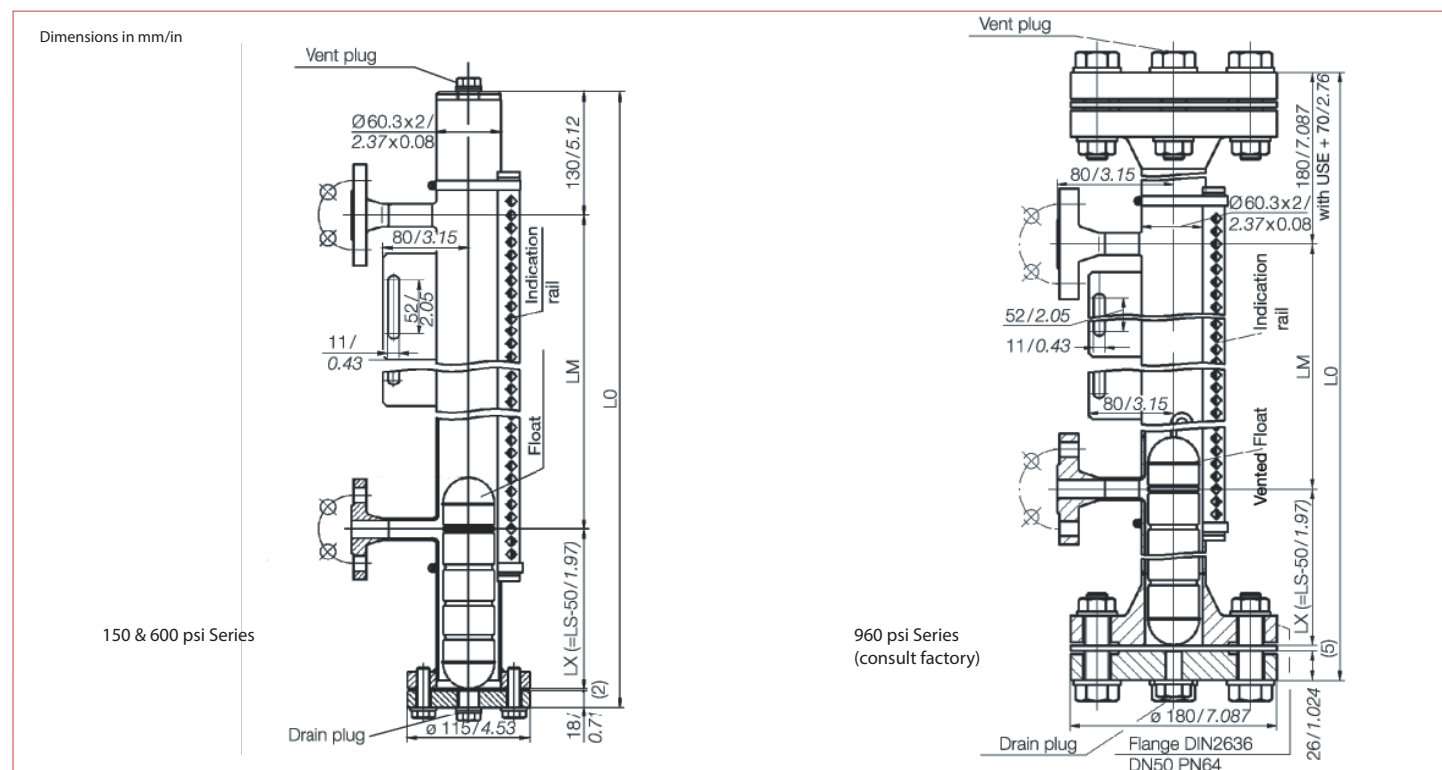
¹ Titanium float recommended for temperature greater than 302°F.

Process Connection Size:	See configurator		
Operating Pressure Max. @ 100°F (38°C):	150 psig (10 bar)	600 psig (40 bar)	960 psig (64 bar)
Operating Temperature Max.:	302°F (150°C) maximum		
Rotating Flag Assembly:	Polycarbonate: 302°F (150°C), Optional: painted aluminum to 600°F (316°C)		
Flag Colors:	White/Red		
Float Size:	2-5/64" (58.67 mm) diameter x 7-7/8 (200.2 mm) length		
Float Material:	316 stainless steel		
Min. Specific Gravity of Liquid:	0.65 stainless steel 0 Titanium		
Vent & Drain Plugs:	1/2" NPT (standard)		
Mounting Brackets:	Every 3 feet (standard)		

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Technical Drawing



Order Number Key / Options

Example	600	LSSM N02 GA	75.25	L	-T
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System Pressure

150 psi	BNA-S3X
600 psi	BNA-S4X
960 psi	BNA-S5X

Process Connection

N01	1/2" NPT male
N02	3/4" NPT male
N03	1" NPT male (for LMSSM models only)
N04	1-1/2" NPT Male
N06	1/2" NPT Female
N07	3/4" NPT Female
N08	1" NPT Female
N09	1-1/2" NPT Female
N10	2" NPT Female
F01	ANSI Class 150 1/2" Raised Face Flange
F02	ANSI Class 150 3/4" Raised Face Flange
F03	ANSI Class 150 1" Raised Face Flange
F04	ANSI Class 150 1-1/2" Raised Face Flange
F05	ANSI Class 150 2" Raised Face Flange
F06	ANSI Class 300 1/2" Raised Face Flange
F07	ANSI Class 300 3/4" Raised Face Flange
F08	ANSI Class 300 1" Raised Face Flange
F09	ANSI Class 300 1-1/2" Raised Face Flange
F10	ANSI Class 300 2" Raised Face Flange

Base Configuration

LTBM	Top/bottom process connections
LTSM	Top/side process connections
LSSM	Side/side process connections
LSBM	Side/bottom process connections
LTMM	Top mount configuration

Options

-T	Optional 4-20 mA level transmitter (round up to nearest inch)
-SK	Calibrated self-adhesive scale in Cm (Scotch 467 MP HI)
Limit switches available - separate line item	

Flag Assembly

L	Polycarbonate flag assembly (302°F)
M	Anodized aluminum fl ag assembly (400°F)
H	Painted aluminum fl ag assembly (600°F)

Length

LL.LL	Measuring length in inches
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Float Type¹

GA	Stainless steel (specific gravity = 0.75 min). Temp: 302°F (150°C). Pressure: 360 psi (25 bar) Can only be installed in the BNA-S3X
GF	Titanium (specific gravity = 0.60 min). Temp: 608°F (320°C). Pressure: 580 psi (40 bar)

¹ Special float required for pressure greater than 580 psi

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