



VLI1250A

### Description

Available in lengths up to 20 feet (6.1 meters), the all stainless steel VLI-1250A features a slim profile for limited space installation. This compact size indicator has a 1¼" (31.75 mm) diameter 316L stainless steel pressure chamber withstanding up to 400 PSIG (27 bar). The metal flag indicator rack is magnetically coupled to a metal ball float assembly moving vertically within the separate, pressure-tight stainless steel chamber that can be connected to the tank in an infinite variety of configurations. The indicator is fully isolated from the liquid and pressure to provide a clean and highly visible continuous level reading that is invulnerable to media contamination.

### Principle of Operation

The high contrast black and gold or red and white flags in the external indicator strip are flipped to their "color side" as the magnetic ball float passes. The flags remain magnetically interlocked in their "color position" until the float inverts them to their original position as the liquid level falls. Liquid level is indicated by the interface between the "color" and "non-color" portions of the column. The VLI-1250A can also be equipped with separate point level switch outputs for alarm and valve control functions.

### Key Features

- Great for tight spaces
- Fully isolated indicator and pressure chamber
- Point level switches available
- Durable all metal construction

### Applications

- Beverage vessels and tanks
- Water tanks
- WFI skids
- DI water systems
- Sanitary mixing tanks
- Pharmaceutical and Biotech vessels

### Environmental

- Temperature: +400° F (+204° C)
- Pressure: 400 psig (27 bar)

### Electrical (optional point level)

- SPST 50VA (standard),  
100VA SPDT 20 or 100VA



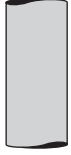


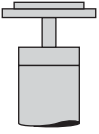
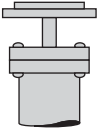
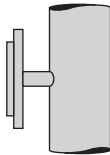
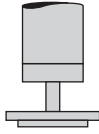
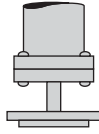



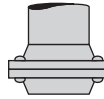

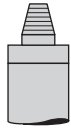
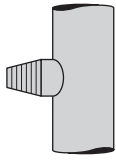
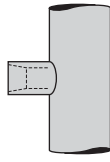

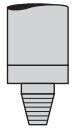

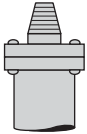

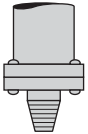
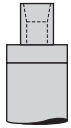
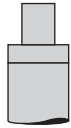
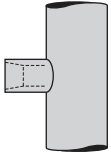
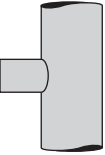
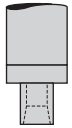
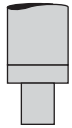
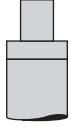
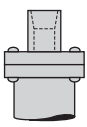
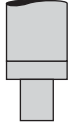
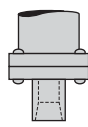


Specifications		
Designation	Housing	Float
L	316L stainless steel	316L stainless steel

Bulletin: IS-710.0  
Effective: December 2009

### Process Connections

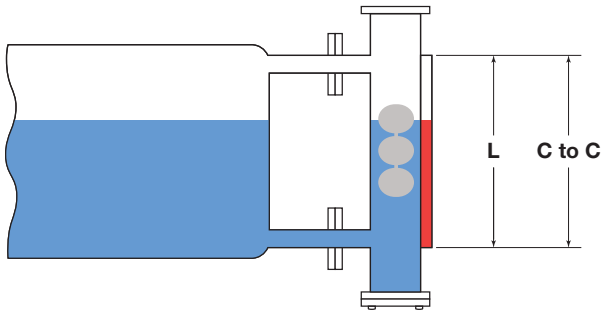
The following are common connection configurations normally stocked by Innovative. Consult the factory for other special connections or materials

TOP		SIDE		BOTTOM	
<b>Fixed and Removable Blind Connections</b>					
					
FTB	RTB	SB		FBB	RBB
<b>Fixed and Removable Flanged Connections</b>					
					
FTF	RTF	FSF		FBF	RBF
					
FTSF	RTSF			FBSF	RBSF
<b>Fixed NPT Connections</b>					
					
FTPF	FTPM	FSPM	FSPF	FBPF	FBPM
<b>Removable NPT Connections</b>					
					
RTPF	RTPM			RBPF	RBPM
<b>Fixed Weld Connections</b>					
					
FTWS	FTWB	FSWS	FSWB	FBWS	FBWB
<b>Removable Weld Connections</b>					
					
RTWB	RTWS			RBWB	RBWS

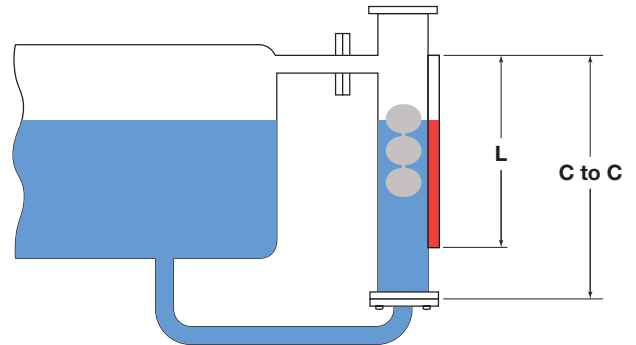
**Mounting Configurations**

Standard mounting for the VLI are the following combinations of side, top, and bottom connections. These are the positions where the liquid will enter and leave the indicator.

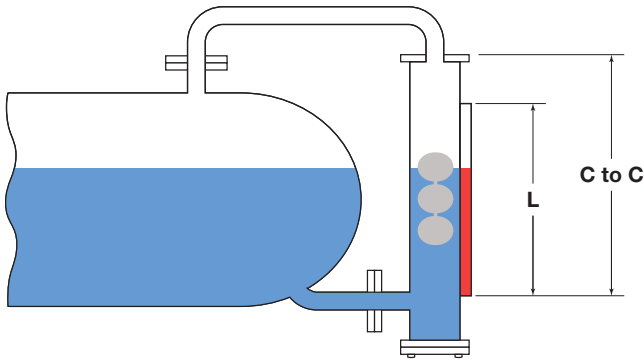
**L = length of indication**



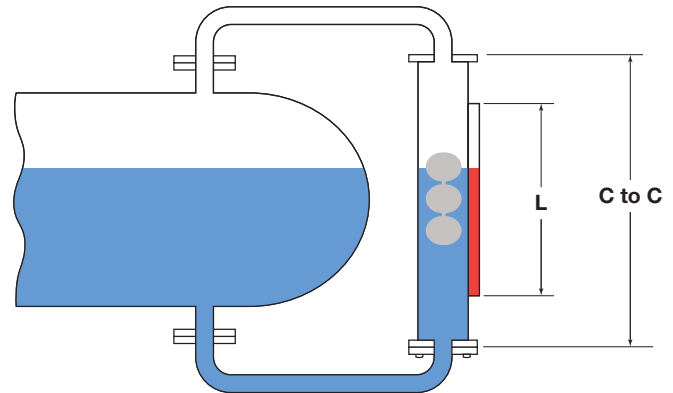
**Type SS**  
Side and Side Process Connections  
C to C = L



**Type SB**  
Side and Bottom Process Connections  
C to C = L + 5" (127 mm)



**Type TS**  
Top and Side Process Connections  
C to C = L + 3" (76 mm)



**Type TB**  
Side and Bottom Process Connections  
C to C = L + 7.72" (196)

These dimensions are for reference purposes in standard configurations and may vary with special connections, material or specific gravity. The maximum available indication length is 240". The minimum specific gravity is 0.40. Please consult the factory for special designs and calibrations.