

General Information

HM-90S(E)

Float Type Level Switch



HITROL CO., LTD.

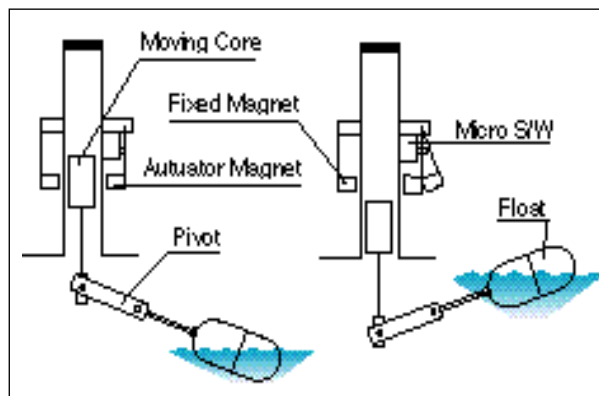
General

Model HM-90S is side mounting controls mount horizontally to any tank or vessel through a flanged pipe connection. Standard models are normally equipped with a single switch mechanism for high or low level alarm or

control applications. Tandem models, when two switch mechanisms, are available for two level stage applications providing the operating functions of two separate instruments, such as high and low level alarm.

Operating Principle

Side mounting units employ permanent magnetic force as the only link between the float and the switching element. As the pivoted float follows liquid level changes, it moves a magnetic sleeve up and down according to liquid level. Hereby, A switch actuating magnet cause switch operation.



Specifications

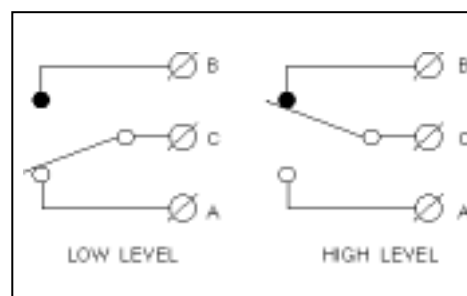
Mounting Method	Flange
Mounting Size	JIS 3 "10K RF / JIS 4 "10K RF
Working Pressure	STD. : 10 Kgf/cm ²
	Option : 64 kgf/cm ²
Process Temp.	STD. : 120 °C Option : 350 °C
Enclosure	Weather Proof(Option : Ex-Proof Exd IIC T4)
Conduit Conn.	3/4 "PF(F)
Wet Part Material	Stainless Steel
Contact Rating	AC 250 V, 15 A / DC 125 V, 0.5 A

Features

- * KS. JIS general flange
- * Designed for side mounting ; Operating differential for high or low alarm, cut off or pump control
- * Electric output
- * Switch type : Micro switches
- * Contact from SPDT
- * Specific gravity : Min. 0.8

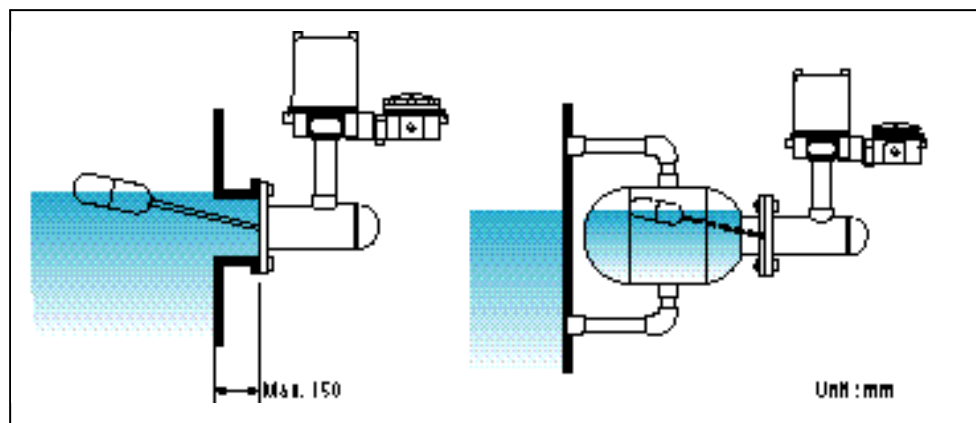
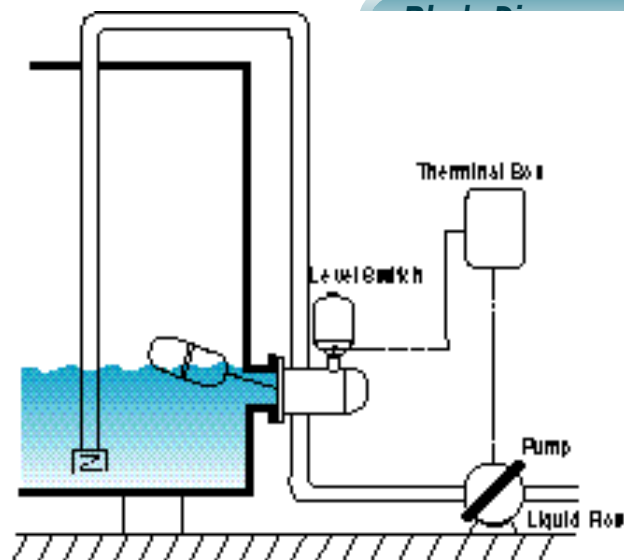
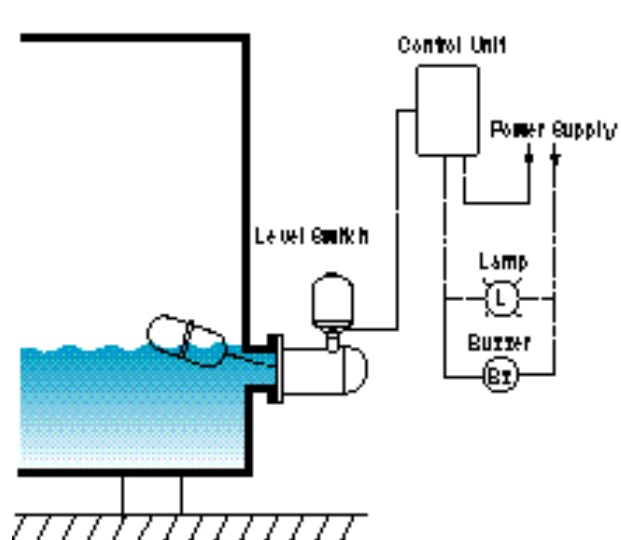
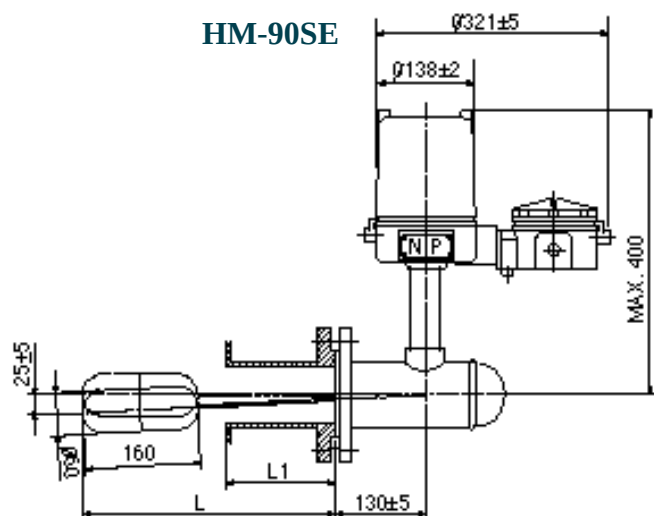
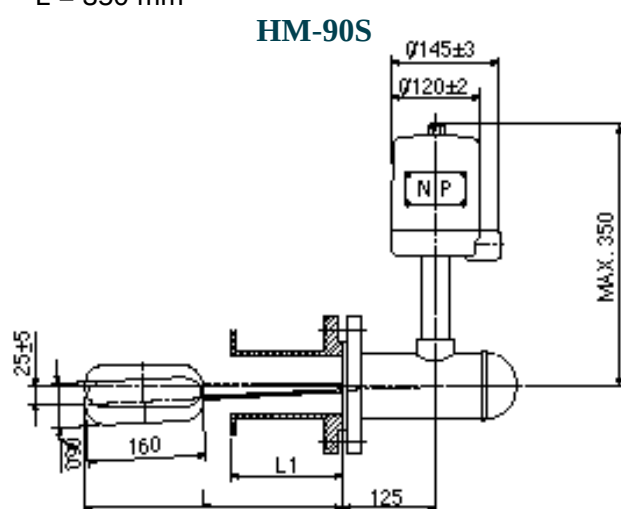
Applications & Connection Diagram

- * Boiler feeding drum water control
- * Fuel oil tank level control
- * Process control for petrochemical plants
- * Nuclear power plant process control
- * Sealing liquid level control for generators
- * Other liquid level control



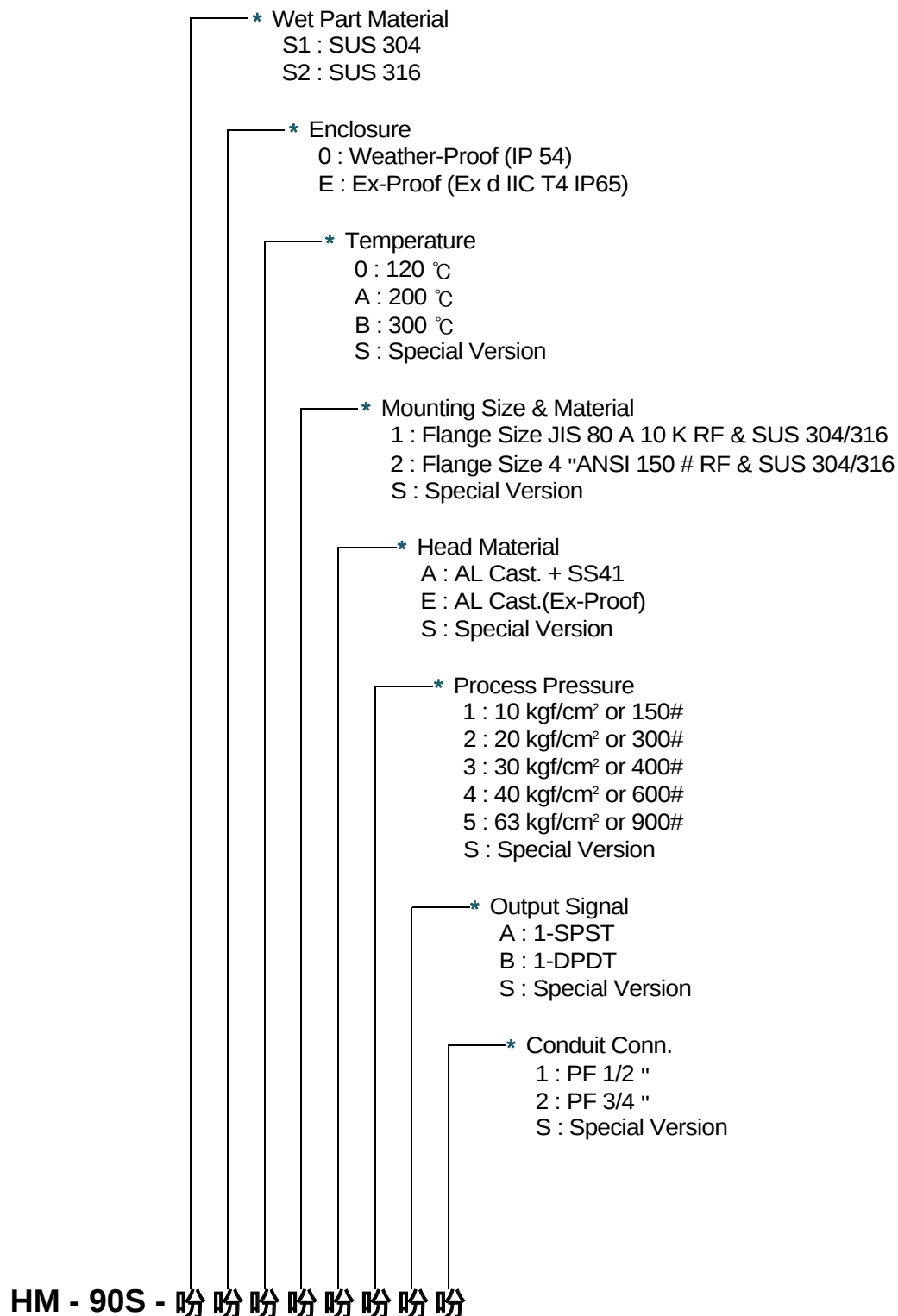
* Length(STD.)
L1 = 150 mm
L = 350 mm

Dimensions



Installation Method

ORDER CODES



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