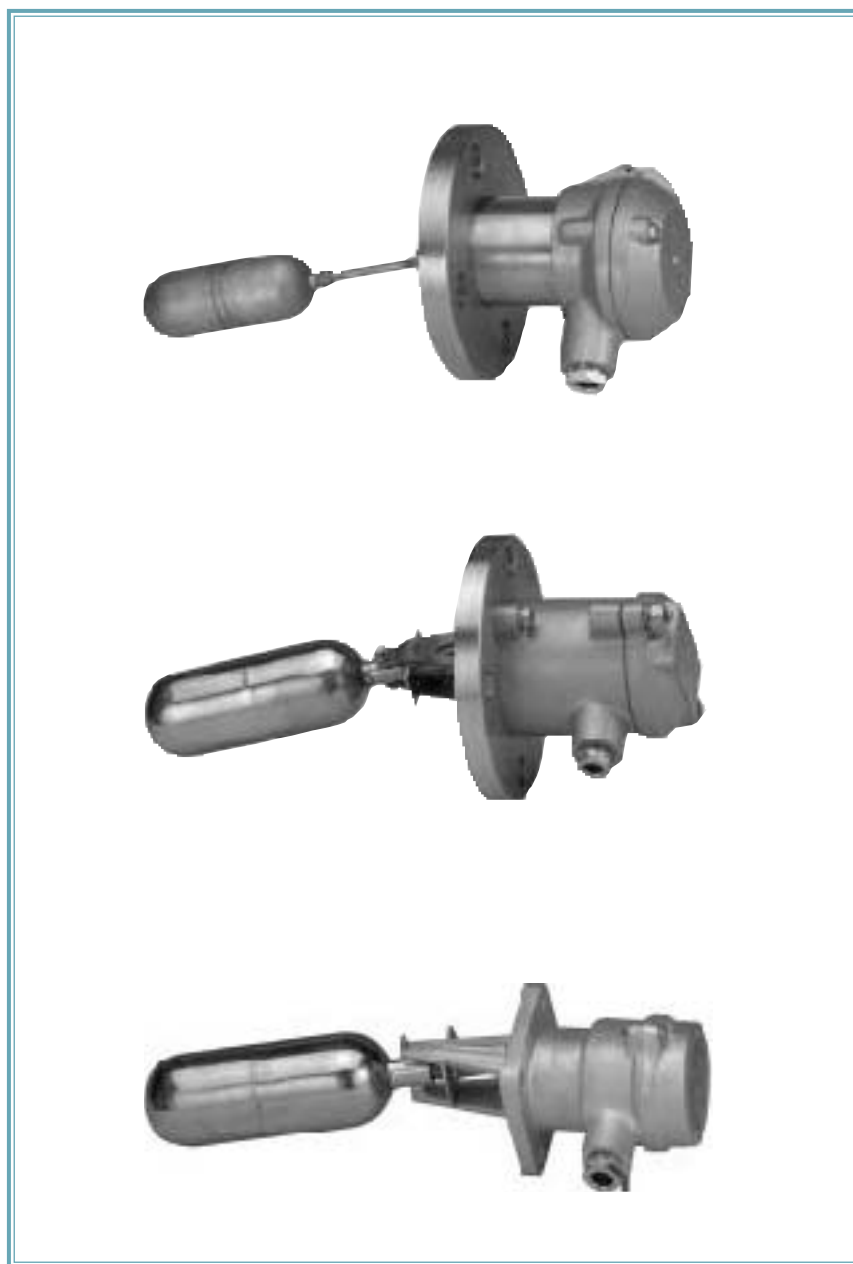


General Information

HM-12(10)Series

Magnetic Float Type
Level Switch



HITROL CO., LTD.

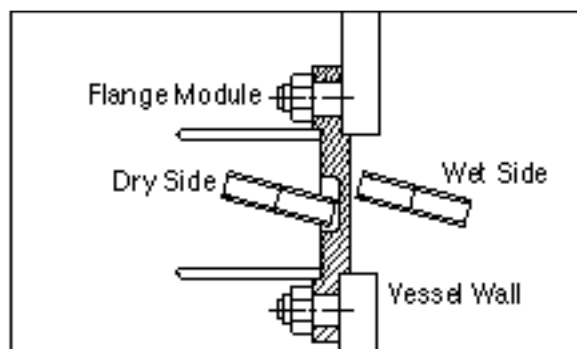
General

Designed for horizontal mounting in a tank or vessel through flanged pipe connections. Standard models are

equipped with a single switch mechanism for high or low alarm or control applications.

Operating Principle

In this design, a float magnet and switch magnet are arranged to repel each other. As the process level rises, the float rises, the float magnet pivots down and the switch magnet is repelled up, thereby changing the state of the electric switch.



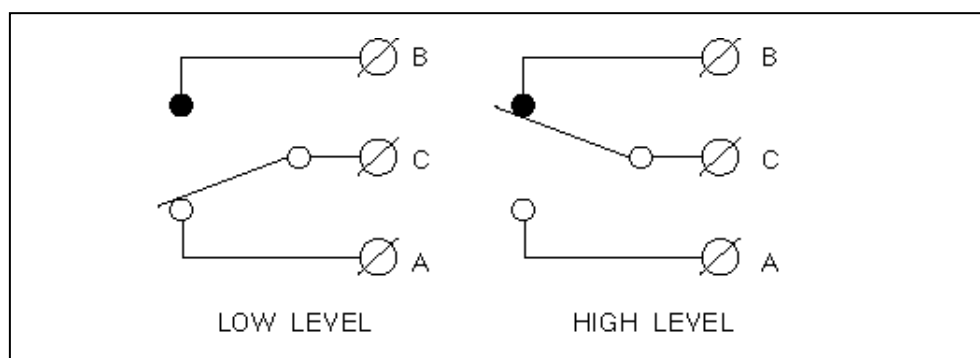
Specifications

Model	HM-12S	HM-12H(E)	HM-12D	HM-10
Mounting Method	Flange			
Mounting Size	JIS 40A 10K RF	JIS 2-1/2 " 10K RF	Square flange □92 x 92	JIS 2 " 10K RF
Working Pressure	STD. : 10 kgf/cm ² Option : 30 kgf/cm ²			
Process Temp.	120 °C	STD. : 120 °C Option : 250 °C	120 °C	Max. 100 °C
Enclosure	Weather Proof (Option for HM-12H : Ex-Proof Exd IIc T4)			
Conduit Conn.	1/2 "PF			
Material	Head & Base	ALC	Bs	ALC
	Flange	SUS 304	Bs	SUS 304
	Float	SUS 304 / SUS 316		

Applications

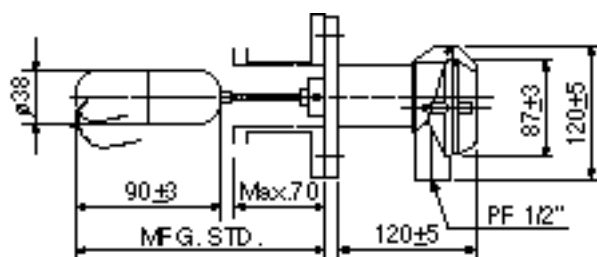
- * Fuel oil tank control
- * Process control for petrochemical plants
- * Water treatment plants
- * Sealing liquid level control for generators
- * Other liquid level controls only

Connection Diagram

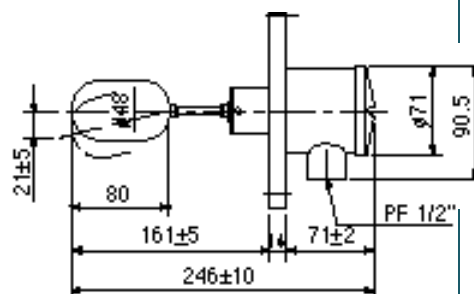


Dimensions

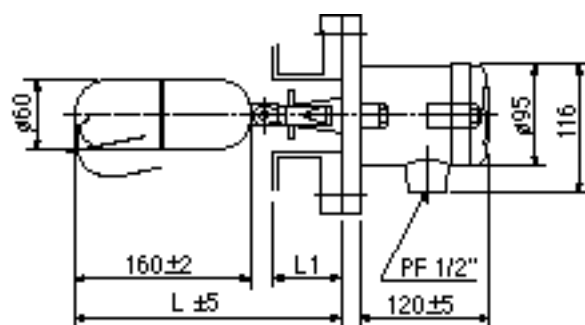
HM-12S



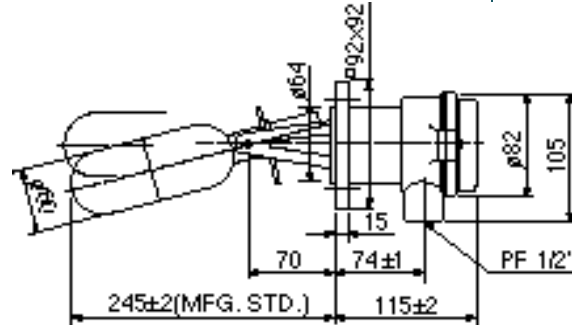
HM-10



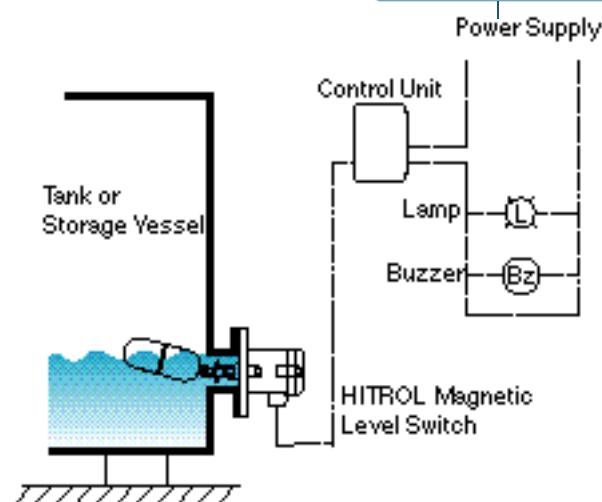
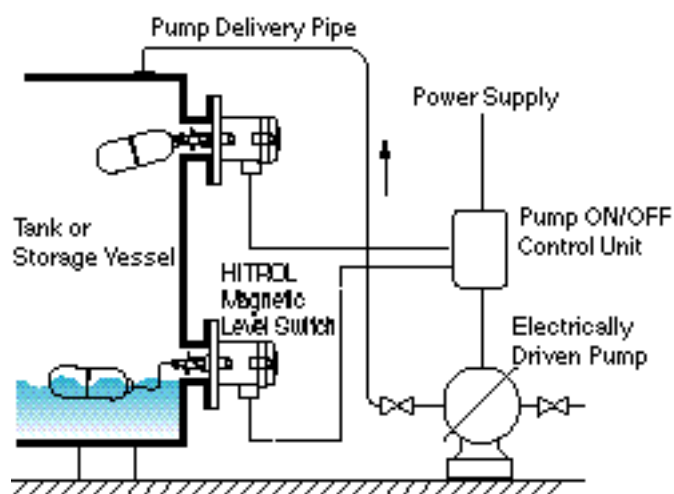
HM-12H



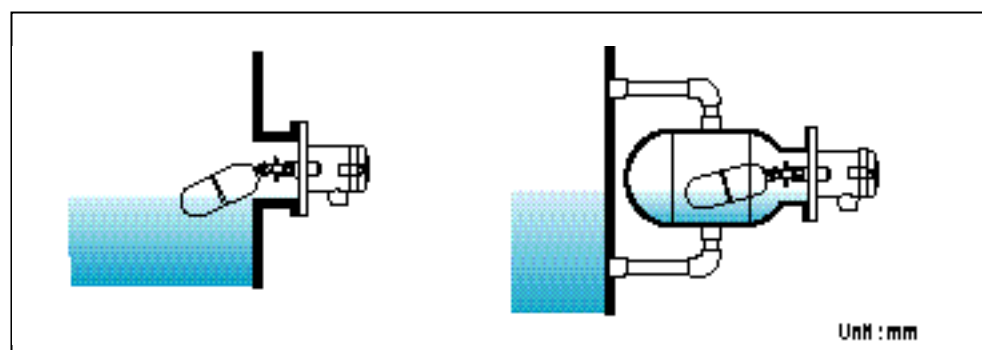
HM-12D



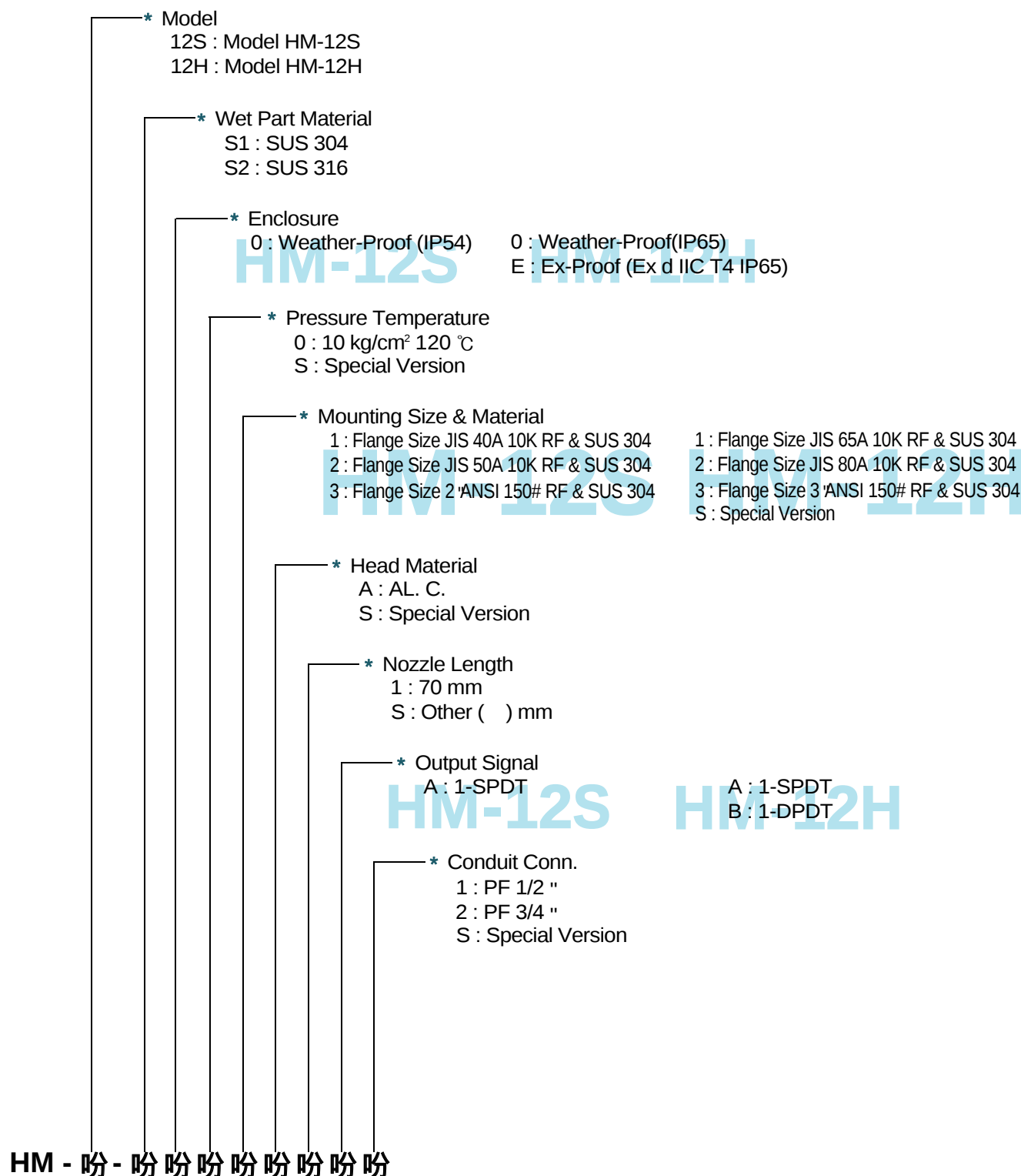
Block Diagram



Installation Method



ORDER CODES



HITROL CO., LTD.

HEAD OFFICE · FACTORY · R & D INSTITUTE

62-182 BONGILCHEON-RI CHORI-MYUN

PAJU CITY KYUNGGI-DO KOREA

TEL : (031) 943-0875~7

FAX : (031) 943-0878, 5600

<http://www.hitrol.co.kr>

hitrol@hitrol.co.kr