

QUICK FLOAT TYPE LEVEL SWITCH

HQM(HQ) Series



ASME



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Always The Best Solution

HITROL CO., LTD.

Overview

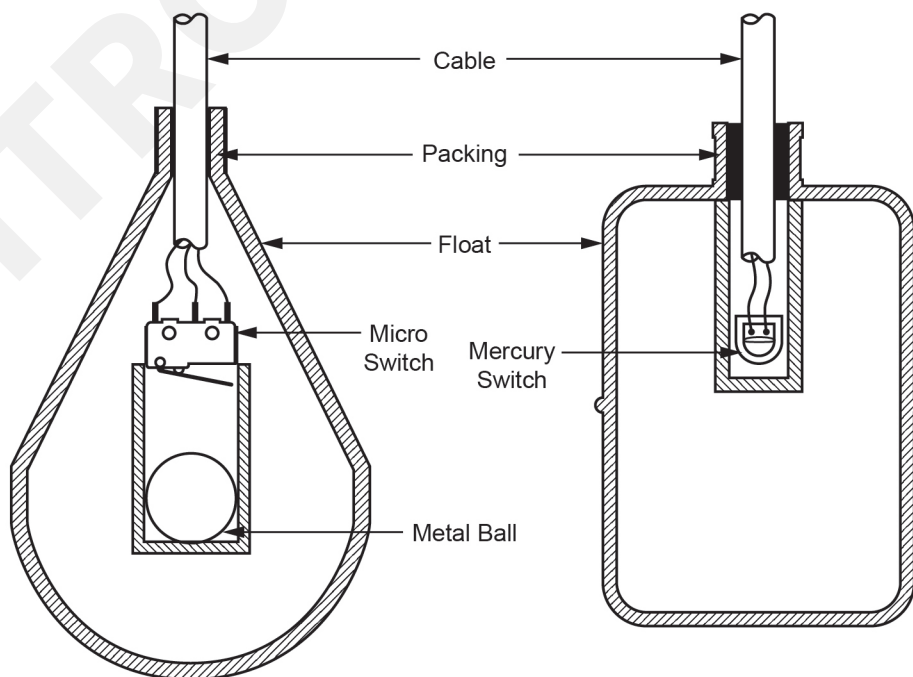
HQM(HQ) Series is a Quick Float Type Level Switch which is suitable to control liquid levels in general industries, especially wastewater treatment plant and it is designed to use easily with strong structure.

Characteristics

- Simple installation
- Easy adjustment at the site
- Strong to corrosion due to no metal exposed part and long life cycle
- Simple appearance and structure
- Applicable to wastewater having floating material and high viscosity liquid

Operation Principle

- When liquid level increases, float rises by buoyancy.
- When float reaches to the setting point, the built-in micro switch or mercury switch (Only HQ-66S) in the float is operated with switch ON or OFF.
- When liquid level decreases, the switch is operated contrary to above situation.



[Micro Switch Float - HQM Series]

[Mercury Switch Float - HQ Series]

Specification

Model	HQM-36	HQM-77	HQ-66S
Mounting	Flange		
Enclosure	Weather-proof		
	IP54 (Std.) IP65 (Opt.)	IP54	
Temperature	Max. 60°C		Max. 150°C
Process Pressure	ATM		
Switch Type	Micro Switch		Mercury Switch
Contact Rating	AC 250V, 3A / AC 125V, 5A DC 30V, 0.1A (Opt.)		AC 110V, 1A / DC 24V, 0.5A
Contact Form	SPDT		SPST (Std.), SPDT (Opt.)
Head Material	ABS (Std.), 304 SS (Opt)		304 SS
Cable Entry	ABS : PF 1/2 "(F) 304 SS: 20A Cable Connector		
Process Connection	80A JIS 10K FF	100A JIS 10K FF	100A JIS 10K RF
Flange Material	PVC		304 SS, 316L SS
Float Material	ABS		316L SS
Cable Material	NBR	NBR(Std.), PUR (Opt.)	Silicon
Guide Wire Material	Nylon		304 SS, 316 SS
Weight Material	CS + ABS		304 SS
Weight Size	1,2F: Ø55 x 60L 3,4F: Ø70 x 70L		76.3 x 80L
Measuring Length	6m (Std.)		
Application	General liquids such as water	General liquids such as water (Cable:NBR), Acidic or oily liquids (Cable:Polyurethane)	High temperature liquids
Combination Unit	HLC-200A, HLC-300N, or HLC-400		



HQM(HQ) Series may malfunction or be damaged due to arc discharge. Use with our Combination Unit is strongly recommended. A/S will not be provided for issues caused by non-compliance.



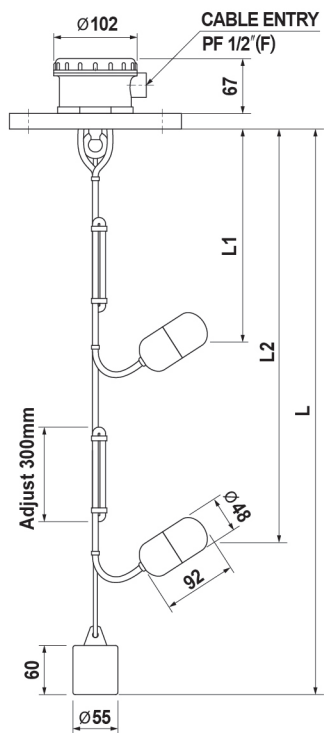
This product is recommended to be used in conjunction with our Control Unit, as other conditions may cause malfunction and component damage.

► **Order Code** can be printed at our website (www.hitrol.com)

Dimension

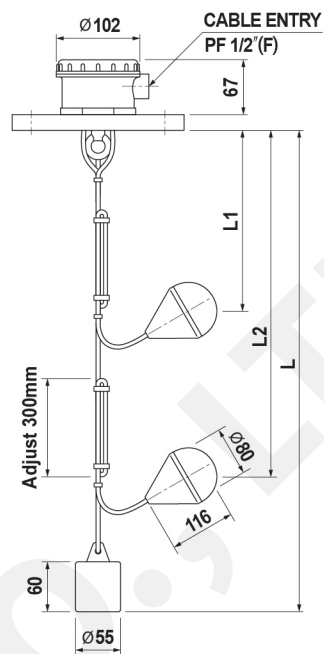
HQM-36

(ABS Housing)



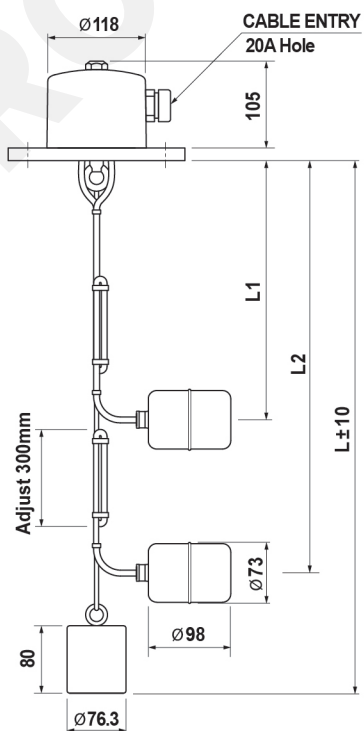
HQM-77

(ABS Housing)

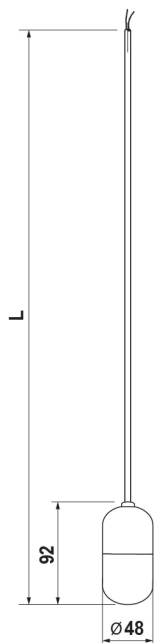


HQ-66S

(SUS Housing)



HQM-3



HQ-6S



HQM-7



HQM(HQ) Series

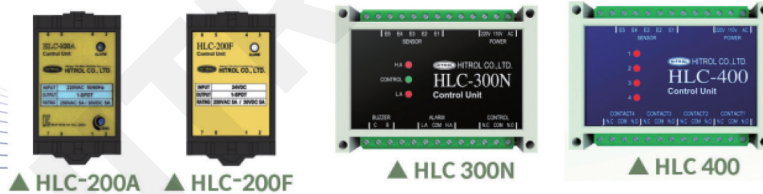
■ Actual product may have a tolerance slightly.



QUICK FLOAT TYPE LEVEL SWITCH

HQM(HQ) Series

- 01 High performance & economic price
- 02 Suitable for wastewater and sewage
- 03 Easy adjustment and maintenance
- 04 Various COMBINATION UNIT
HLC-200A/F, 300N, 400



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* Design of product can be changed for upgrade without notice.