



Series HLS Flow Switch

Specification

Electric loading	AC250 V10A
Max. working pressure	10.34Bar
Liquid Temp.	0~120°C
Environment temp.	0~60°C
Bellows life	500000 times
Protecting standard	IP53

Installation

HLS series water flow switch with NPT threaded pipe joints sealed, there is 1", 1/2", 3/4" three kinds of specifications, the user orders the selection of matching with the diameter of the joints. Direction of the arrow on the cylinder should be in line with the pipe flow; Water flow switch should be installed in a horizontal pipe line, if must be installed in a vertical pipe, the liquid flow should be a bottom-up flow, absolutely not permit the installation by top-down flow of the vertical pipe line. Flow switch in use is absolutely not permit to flow back to avoid the blade back into the fracture.

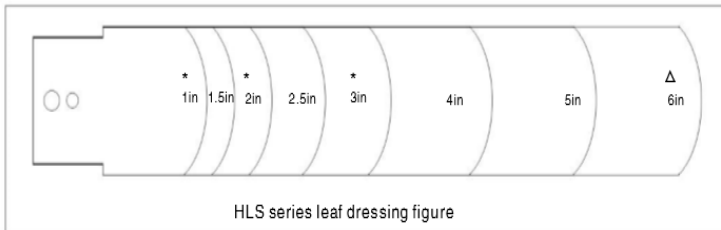
Introduction

HLS Series liquid flow switches for liquid flowing through the pipeline flow changes, such as water, ethylene glycol or other non-hazardous liquids; When the liquid flow over or single-pole double-throw switch contact (SPDT) make a loop turn-on, while cutting off other a loop, the flow switch is commonly used or "stop" protection sites.

Characteristic

Liquid pressure up to 1MPa, the use of a wide range. Stainless steel blades are 3 section, for the diameter of 25 - 75mm the pipe line. According to require to moved out the number of blades or modified leaf length. HLS series liquid flow switch additional 6" blade that can be used 100 - 150mm pipe line. Adjustable set point, the user may according to require to trim the flow value. HLS1001 series large wiring space, easy for user wiring.

Leaf Dressing Figure



Notice:

With (*) leaves for the factory is installed;

With (Δ) for additional blades (not installed);

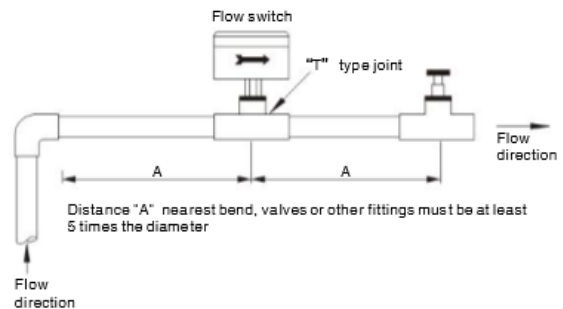
The remaining dimensions to correct use;

After the leaves trimmed to install, its top of the wall shall not have any friction with the wall and the bottom 5 - 10 mm gap.

Application

Typical applications of the freezer system, when the cooling water drying up, HLS can be effectively cut off the compressor current, in order to protect the freezer and the entire refrigeration system damage.

Typical installation diagram



HLS Series Liquid Flow Parameters

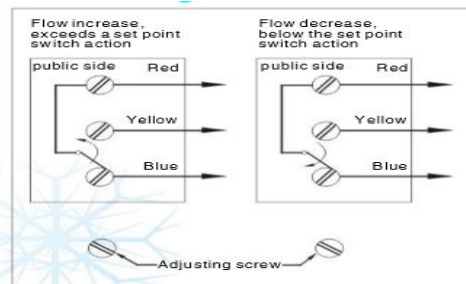
		Switch action flow need (m ³ /h)															
Pipe Diameter (mm)		25	32	40	50	65	80	100	125	150	200	100*	125*	150*	200*		
Min. Adjusting	Flow Increase (red, blue closed)	0.95	1.32	1.70	3.11	4.09	6.24	14.8	28.4	43.2	85.2	8.4	12.9	16.8	46.6		
	Flow Reduce (red, yellow closed)	0.57	0.84	1.14	2.16	2.84	4.32	11.4	22.9	35.9	72.7	6.13	9.31	12.26	38.6		
Max. Adjusting	Flow Increase (red, blue closed)	2.0	3.02	4.36	6.6	7.84	12.0	29.1	55.6	85.2	172.6	13.4	26.8	32.7	94.26		
	Flow Reduce (red, yellow closed)	1.93	2.84	4.09	6.13	7.23	11.4	27.7	53.4	81.8	165.8	17.3	25.21	30.66	90.85		

1. The flow value for the selection of reference;

2. With (*) is the values for the installation of all the four leaf values, without those for the three values;

3. HLS flow switch installed in accordance with the flow rate of the overall pipeline, using different kinds of leaves.

Contacting



GPRO Valve Sdn Bhd
7, Lot 752 Jalan Subang 3, Taman Perindustrian
Sg. Penaga 47610 Subang Jaya, Selangor, Malaysia.

Tel: +6 03 8023 6900
Whatsapp: +6 017 717 6900
Email: info@gprovalve.com.my
Website: www.gprovalve.com.my