BIMCO SERIES FLOW SWITCH

BIMCO1001

BIMCO 61MB

BIMCO 61MB
(stainless steel)

BIMCO68

Introduction

BIMCO 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 – 75 mm the pipeline;

According to require to moved out the number of blades or modified leaf length;

BIMCO series liquid flow switch additional 6 "blade that can be used 100 – 150 mm pipeline;

Adjustable set point, the user may according to require to trim the flow value;

BIMCO61MB type shell with fully closed structure, for electrical equipments are effective protection against dust and water vapor (which may be a small amount of dew);

BIMCO 61MB series of electrical switches are the entire body, closed, for a small amount of dew will not have the risk of leakage;

BIMCO1001, BIMCO61MB series large wiring space, easy for user wiring BIMCO68 series, has been wiring;

BIMCO 61MB also suitable for ammonia medium stainless steel joints to be choose, when ordering the model added "S", such as BIMCO61MBS.

Application

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

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

Specification

Electric loading	AC250V 10A
Max. working pressure	10.34Bar
Liquid Temperature	0~120℃
Environment temperature	0~60℃
Bellows life	500000 times
Protecting standard	IP53

Installation

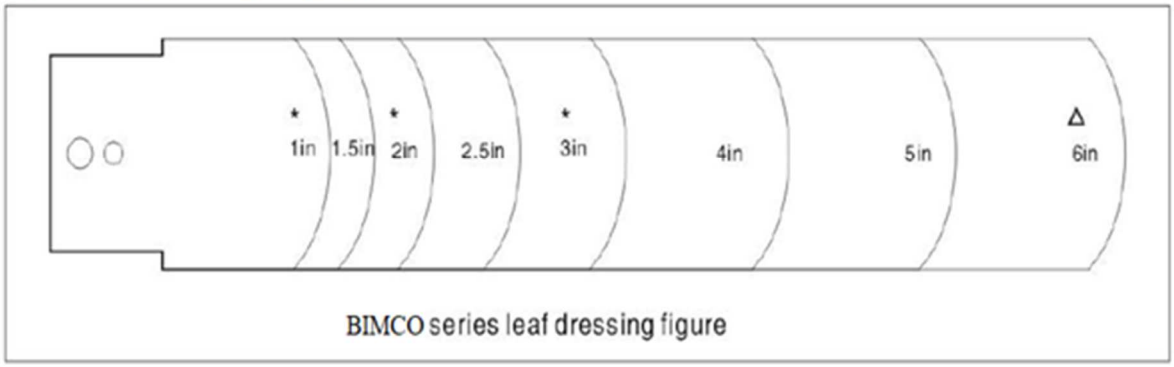
BIMCO series water flow switch with NPT threaded pipe joints sealed, there is 1 ", 1 / 2", 3 / 4 "three kinds of specifications, the user orders the selection of matching with the diameter of the joints;

Direction of the arrow on the cylinder should be in line with the pipe flow;

Water flow switch should be installed in a horizontal pipeline, 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 pipeline;

Flow switch in use is absolutely not permit to flow back to avoid the blade back into the fracture.

Leaf Dressing Figure



BIMCO series leaf dressing figure

Notice:

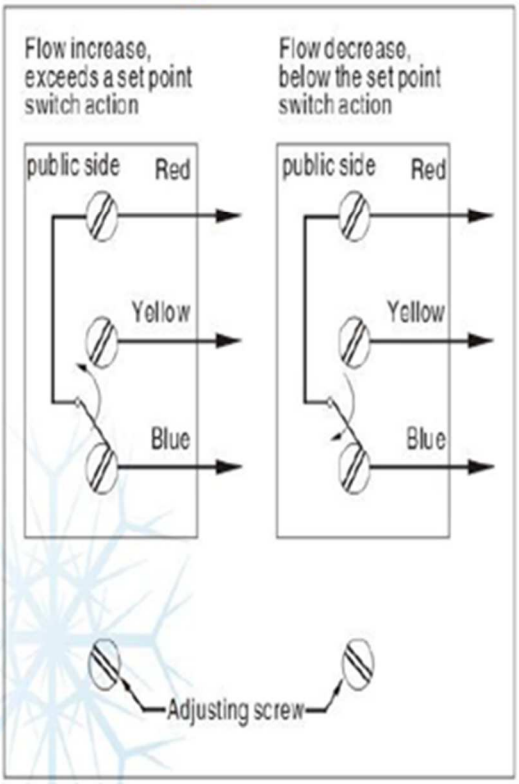
With (*) leaves for the factory is installed;

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

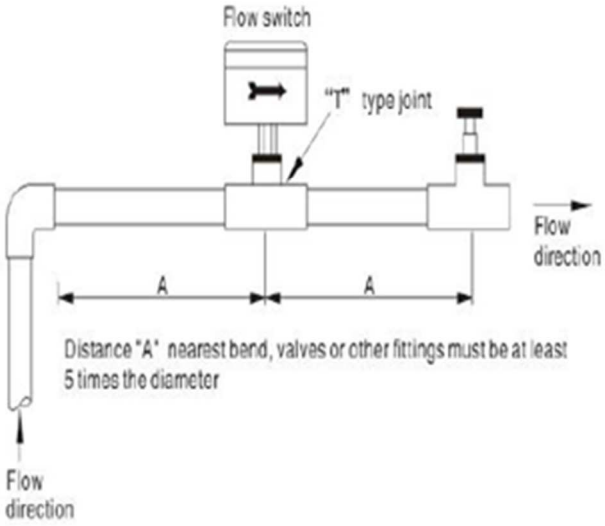
The remaining dimensions to correct use;

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.

Contacting



Typical installation diagram



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