

Main Specifications

▼ **Type**

Type E (Economic)
Type SC (Stainless steel case)
Type SUS (All stainless steel)

▼ **Connection material**

Brass / SS304

For details please refer to material table

▼ **Connection specification**

RHFS-15 ▼
1/2" -14NPT
RHFS-20 ▼
3/4" -14NPT

RHFS-25 ▼

1" -11NPT

Other threads specification available upon requests

▼ **Applicable fluid**

Type E / SC ▼
Liquid compatible with brass
Type SUS ▼
Slightly corrosive liquid compatible with SS304

▼ **Ambient temperature**

0°C to +60°C

▼ **Fluid temperature**

-10°C to +100°C

▼ **Temperature error**

Every ±12 °C
max. error: ±0.5% F.S

▼ **Protection level**

IP54

Other Specifications

▼ **Case**

Material: ABS (red color)
Screw fixed

▼ **Socket material**

Zinc-plated steel / SS304
For details please refer to material table

▼ **Switch type**

SPDT micro switch

▼ **Bellow material**

Phosphor bronze / SS316
For details please refer to material table

▼ **Flow paddle**

Material: stainless steel
The number of flow paddles please refer to model / connection / flow paddle table

▼ **Wiring**

Screw clamp terminal blocks

▼ **Shaft material**

Brass / SS304
For details please refer to material table

▼ **Shaft size**

Type E / SC ▼

8.5 x 1.5 mm

Type SUS ▼

8.5 x 5 mm

▼ **Max. operating pressure**

10bar (145psi)

▼ **Operating voltage**

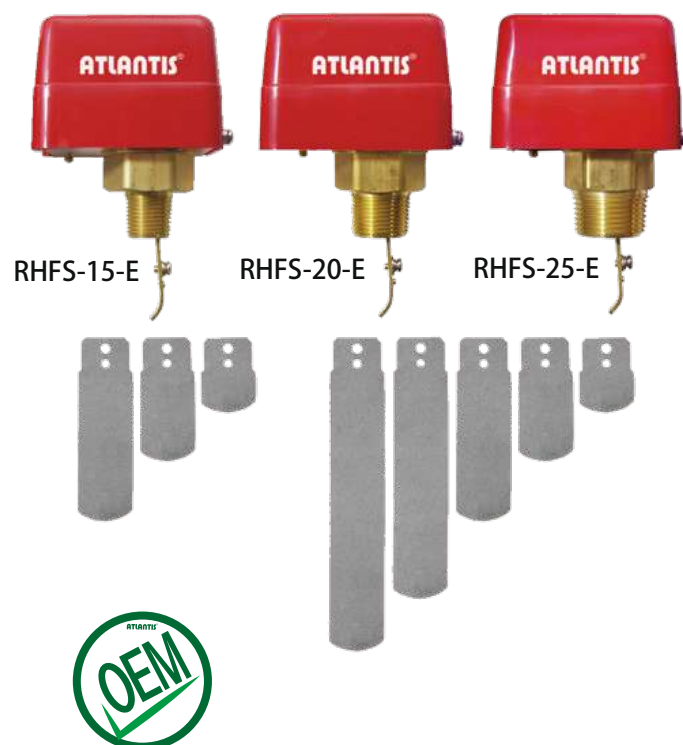
120 / 208 / 240 / 227VAC

Flow Switch

Model: RHFS

Introduction

Flow Switch (FS) can apply to pipeline that contains non-hazardous liquid (such as water, ethylene glycol, etc.). When liquid flow higher or lower than set flow, FS can interrupt or continue power supply through flow paddle.



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Material table

	Type E	Type SC	Type SUS
Connection	Brass	Brass	SS304
Sealing	Rubber	Rubber	Teflon
Socket	Zinc-plated steel	SS304	SS304
Bellow	Phosphor bronze	Phosphor bronze	SS316
Shaft	Brass	Brass	SS304



RHFS-25-SC



RHFS-25-SUS

Features

- OEM service
- Affordable flow switch with comprehensive applications
- SPDT micro switch design with sensitive action
- Provide various material and connection specification for selection
- The stainless steel paddle can be cut freely to meet the field installation demands

Electrical Parameters Table

Item	120V AC	208V AC	240V AC	227V AC
Non-inductive current	16.0	16.0	16.0	16.0
Overload current	16.0	8.8	8.0	-
Inrush current	96.0	52.8	48.0	-
Horsepower	1.0	1.0	1.0	-

Current unit = ampere (A)

Flow Data Table

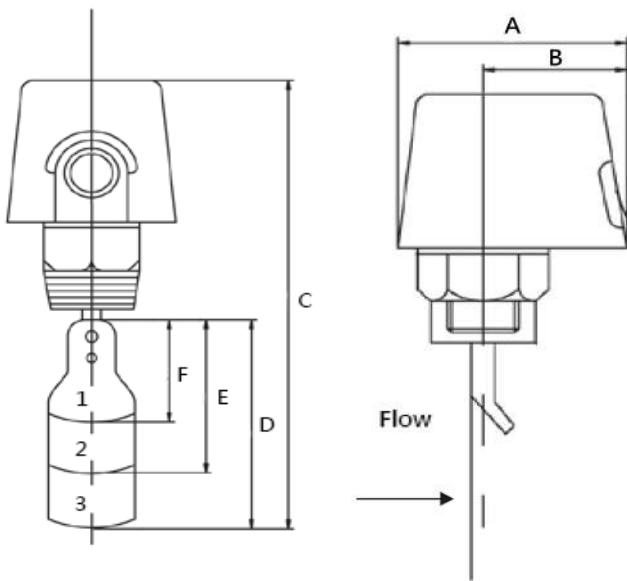
Piping size	Flow regulation range (switch on)			
	Minimum regulation		Maximum regulation	
	Decreased flow	Increased flow	Decreased flow	Increased flow
1"	18	21	45	50
1 1/2"	30	35	100	105
2"	50	58	150	155
2 1/2"	75	86	187	200
3"	100	115	225	260

All units = L/min

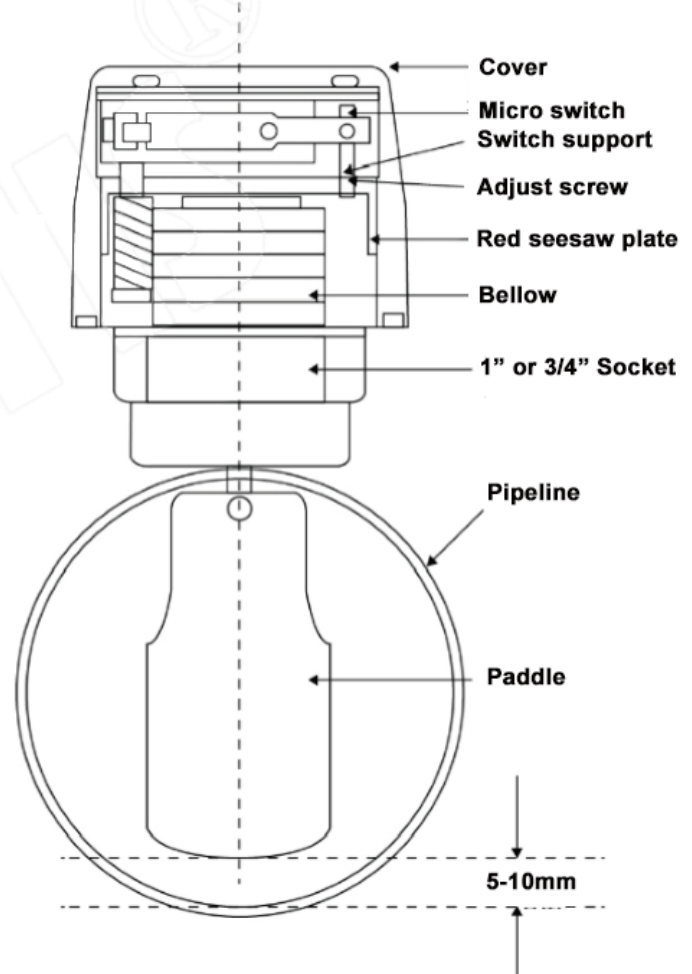
Model / Thread / Numbers of Flow Paddle Table

Model	Thread size / spec.	Flow paddle
RHFS-15	1/2" -14 NPT	3 pcs
RHFS-20	3/4" -14 NPT	5 pcs
RHFS-25	1" -11 NPT	5 pcs

Installation

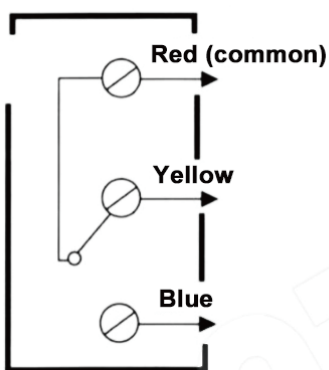


Flow switch parts

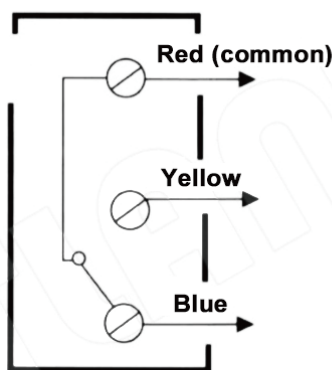


Circuit Contact

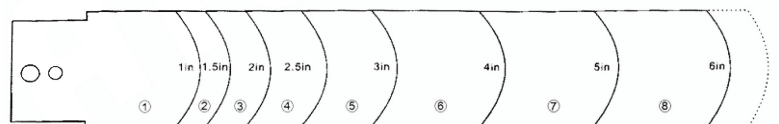
Operation for increasing flow



Operation for decreasing flow

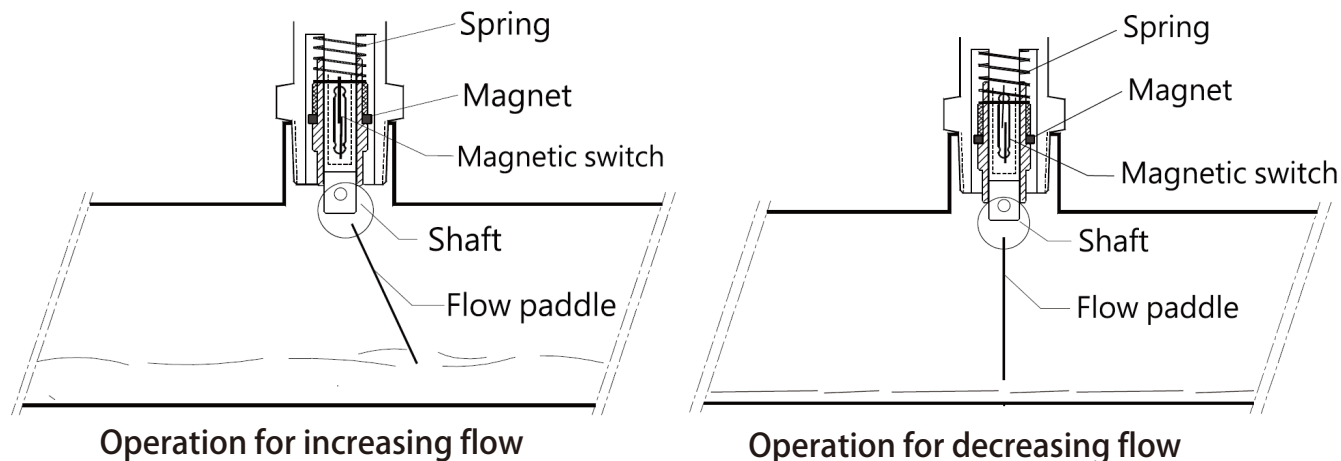


◆ Paddle Cutting



Working principle

The flow switch makes use of hydraulic flow power to drive flow paddle and test if the pipe liquid is flowing. In this time, the magnetic switch remains no action and contact is "NO (normally open)". When fluid start to inflow pipeline, and the flow push the paddle about 20 to 30 degree, the flow paddle eccentric shaft push the magnet to drive contact close "NC (normally closed)".



How to order

RHFS Flow switch									
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
E	Type	E	Economic	SC	Stainless steel case	SUS	All stainless steel (anti-corrosive)	-	-
4N	Process connection	4N	1/2" NPT	6N	3/4" NPT	8N	1" NPT	O	Others (please specify)
/B	Other requests	/A	Third party notarized document						
		/B	Inspection report (issued by Re-Atlantis)						
		/C	Tag						

Order example: RHFS - E - 4N - /B