

Water Flow Sensor

(SWF -B15)(SWF-B20)

PRODUCT SPECIFICATION SHEET



FEATURES

- This sensor has excellent character in low pressure.
- The out put pulse frequency has linear character in flux change.
- This sensor has a half-permanent life by high sensitivity semiconductor sensor.

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APPLICATION

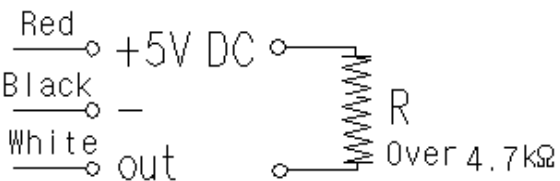
This sensor is used in water flow sensing.

This sensor has application to gas boiler and instantaneous warm-water appliance, and water filtering appliance.

SPECIFICATIONS

Type	: Turbine with Hall sensor	
Installation	: Vertical / Horizontal	
Working pressure	: 10 kgf / cm ²	
Permissible fluid temperature	: 0 ~ 60℃ (It shall not be frozen)	
Material	: Body	Brass
	: Rotor	POM
	: Magnet	Ba – Ferrite
	: Stop ring	SUS304

SPECIFICATIONS

Efficiency	Fluid	: Water		
	Measuring range	: 2.0 ~ 30 ℓ / min		
<div>Flow rate - pulse</div> <div></div>		Flow rate Q (ℓ /min)	Pulse signal (Hz)	
		2	14	Accuracy F.S ± 8%
		5	34	
		10	68	
		20	136	
		30	204	
Withstand pressure		: 17.5 kgf/cm ² (1 min)		
Electrical rating		: DC 4.5V ~ 24V, 10 mA, Max.		
Duty cycle		: 30 ~ 70%		
Insulation resistance		: Not less than 100 MΩ (Between the connector and body)		
Dielectric strength		: When AC 600V(50/60 Hz) is added between the connector and body, detecting current is under 3 mA.		
Pipe Connection		: PF 1/2"(15A) or PF 3/4"(20A)		
Weight		SWF-B15 : 216g SWF-B20 : 234g		

DIMENSIONS

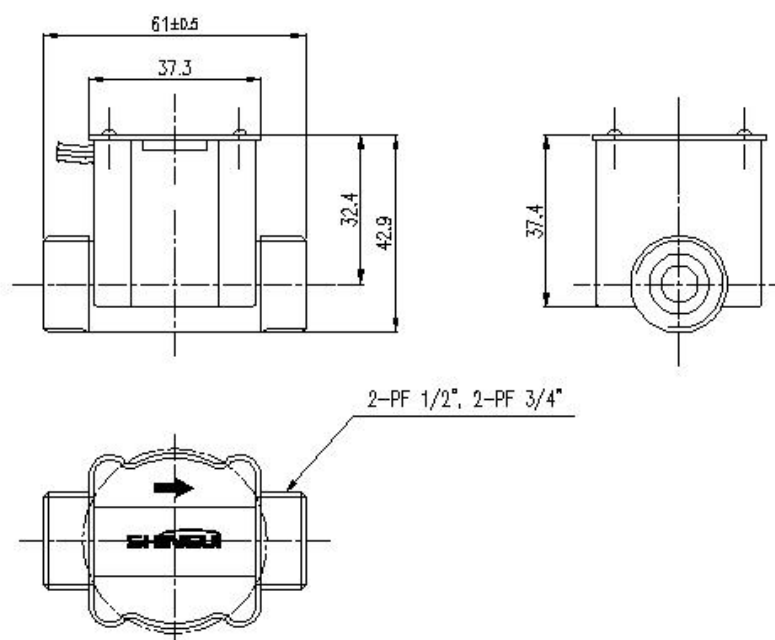


Fig 1. Water flow sensor

The specifications and dimensions can be changed without warning