

Savant FS-2000H Flow Sensor, Digital Output

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Features :

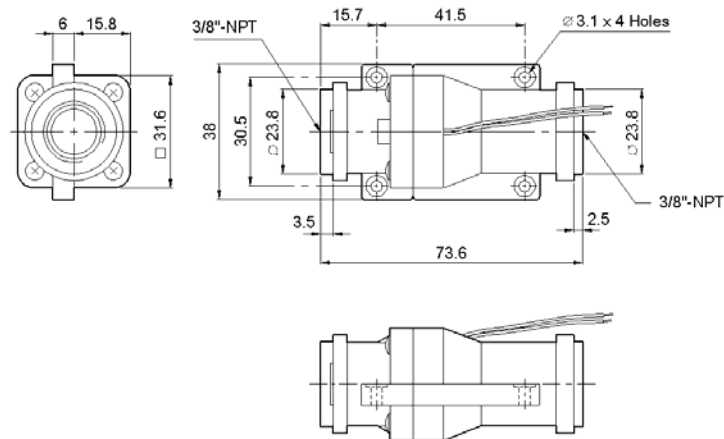
- Accurate and reliable
- Low unit cost
- Low maintenance cost
- Easy installation
- Hall effect sensor, digital output



Application :

- ✓ Residential and commercial water treatment system
- ✓ Water dispenser
- ✓ Water cooler

1.0 Mechanism :



2.0 Electrical :

Supply voltage : 2.4 – 26 V DC

Supply current : typical 2.8 mA, maximum 8.0 mA.

Output mode : open collector

Output rise time : typical 1.0 μ second. maximum 10 μ second.

Output falling time : typical 0.3 μ second. maximum 1.5 μ second.

Wire connection : Red – Vdd

Brown – Vout

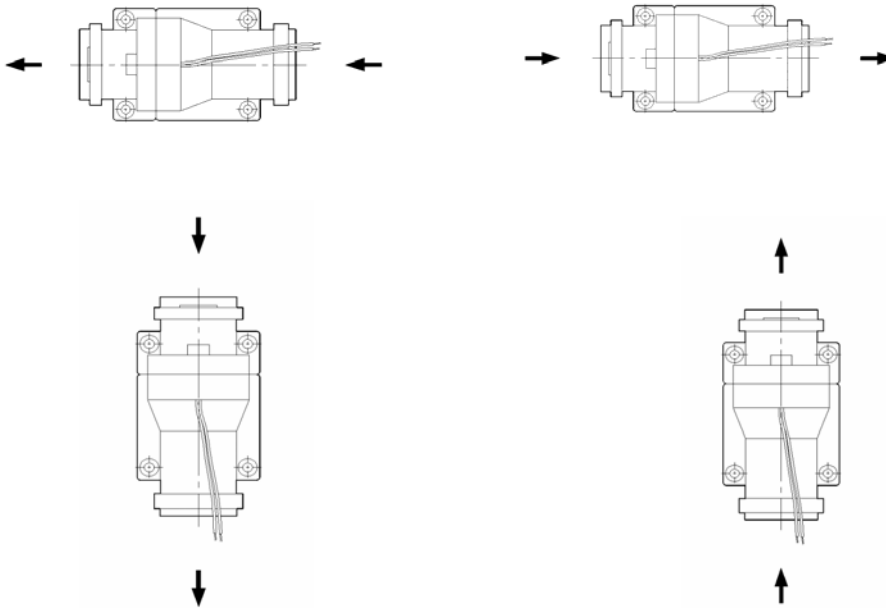
Black - GND

Connector : JST compatible, Housing : SMR-03V-N, Terminal : SYM-0001T-P0.6

3.0 Application :

Mounting Method : Horizontal to Vertical

Flowing Direction : Bi-Direction



Flow Rate : Maximum 14.1 lpm (vertical and horizontal mounting)

Minimum 1.50 lpm (horizontal mounting)

Minimum 1.00 lpm (vertical mounting)

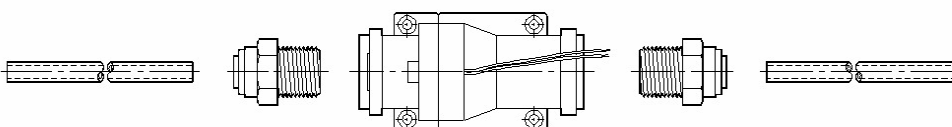
Calibration :

Horizontal mounting :

Flow Rate (liter/min)	Resolution (liter per pulse)
1.5 – 2.0	0.0042
2.0 – 6.0	0.0040
6.0 -14.0	0.0038

Vertical mounting :

Flow Rate (liter/min)	Resolution (liter or gallon per pulse)
1.0 – 1.5	0.0041
1.5 – 2.0	0.0040
2.0 – 6.0	0.0040
6.0 -14.0	0.0038



4.0 General :

Operating life : 300,000 liters

Connection : 3/8 inch NPT Female

Temperature : 0 to 80°C (32 to 176 °F)

Pressure : Max. 6.0 bar (85 psi)

Weight : 50 g (1.92 oz.)

Accuracy : +/- 5%

Materials : Sensor Body : Acetal Copolymer, TICONA M90

Turbine : Acetal Copolymer, TICONA M90

Stick of Turbine : #304 Stainless Steel

O-Ring : E.P.D.M.