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Outline Dimensions

Unit:mm
Tolerance: ±0.5

Technical drawings of the flow sensor showing top, side, and front views with dimensions:

- Top view: $\phi 42.0$, $2-\phi 3.7$, $2-\phi 9.6$, 150 ± 25 , 300 ± 25 , 350 ± 15
- Side view: $2-\phi 20.0$, 88.2 ± 2.0
- Front view: 53.0 ± 1.5 , 7.0 , 32.0 ± 1.0

Flow direction diagram showing $3/8$ INLET and $3/8$ OUTLET ports with a 36° angle. The flow direction is indicated by an arrow pointing to the right.

Internal wiring diagram

Internal wiring diagram showing a regulator (REG), a resistor, a transistor, and a relay connected to V_{cc} (PIN1), V_{out} (PIN2), and GND (PIN3).

Technical Requirements

1. Pressure: $10 \sim 150$ Psi
2. Accuracy: $\pm 10\%$
3. Medium: $1 \sim 30^\circ\text{C}$ pure water
4. Detection method: Hall sensor
5. Min flow rate: 1.0L/min
6. Operating temperature: 40°C
7. Power supply: DC5V
8. Max water pressure: 10kg/cm^2
9. Lead Color: Red—Power, White—Output, Black—Ground, UL1007# 22AWG
10. Sanitary safety requirement: It conforms to the safety evaluation standard of drinking water transmission and distribution equipment and protective materials
11. Operating characteristic: Meet table 1

PE pipe with the use of requirements

1. PE tube pulling force: after the PE tube is inserted into, a pull force of 100N is applied along the axis direction of the PE tube for 10S, and the PE tube should not be pulled out.
2. PE pipe insertion force: when PE pipe is inserted in, the insertion force of PE pipe along the axis direction should be less than 90N.
3. Quick connection: PE pipe and $3/8$ " fast joint shall be inserted and digged for 20 times, and the claw buckle and o-ring shall be free from wear.

Health and safety requirements:

It shall meet the related requirements of national standard GB 9690-2900 and GB 9684-2011.

Table 1

Flow/min.	1.0L	1.5L	2.0L	2.5L	3.0L	3.5L	4.0L	4.5L	5.0L
Hz/sec.	12.82	21.53	30.60	39.96	49.00	57.72	66.67	76.33	85.06
Hz/(+10%)	14.10	23.68	33.66	43.96	53.90	63.49	73.34	83.96	93.57
Hz/(-11%)	11.54	19.38	27.54	36.96	44.10	51.95	60.00	68.70	76.55

SODOWELL ShenZhen XinDaoWei Technology CO.,LTDProduct Name
3/8" flow sensorMode
MS-351-601Scale
NIL
Unit
mmIssue by
Wuhw
2014.06.05Checked by
_____Approved by
Zhoubo
2014.06.05

Rev.	Date	Revision History	Approved by	Issue by
A0	2014.06.05	Original Release.	Zhou Bo	Wuhw

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