

## GE-315 Adjustable Paddle Flow Switches

The GE-315 Series Target Water Flow Switch is a new type flow switch, avoiding rust and bad contact by separating the electricity from the liquid. This products totally give up the isolating part for water and electricity by corrugated pipe applied on common target flow switch. When the micro switch is operating, it won't touch with low temperature metal part, so no condensation water, no rust and bad contact, and the Protection Grade up to IP65, it could be applied in corrosive air environment.

### Character:

- \* Good Repeatability
- \* Low Pressure Loss
- \* Dirt Resistant
- \* Hermetic Separation of Electrical and Hydraulic Components
- \* Easy Adjustment of Switch

### Specification:

- \* Electricity: 250V max, 5A max
- \* Output: SPDT Switch
- \* Tolerance  $\pm 15\%$  of full scale
- \* Media Temperature  $-30\sim 110\text{C}$
- \* Average Pressure Loss  $0.01\text{bar}$  at  $Q_{\text{max}}$ .
- \* Hysteresis depending on switch value
- \* Metering Substances Oil, Water, Gas, Air
- \* Max Pressure  $25\text{bar}$  ( $40\text{bar}$  available)
- \* Protection Grade IP65
- \* Materials: Stainless Steel or Brass
- \* Pipe Connection: BSP or NPT thread , Male or Female thread.



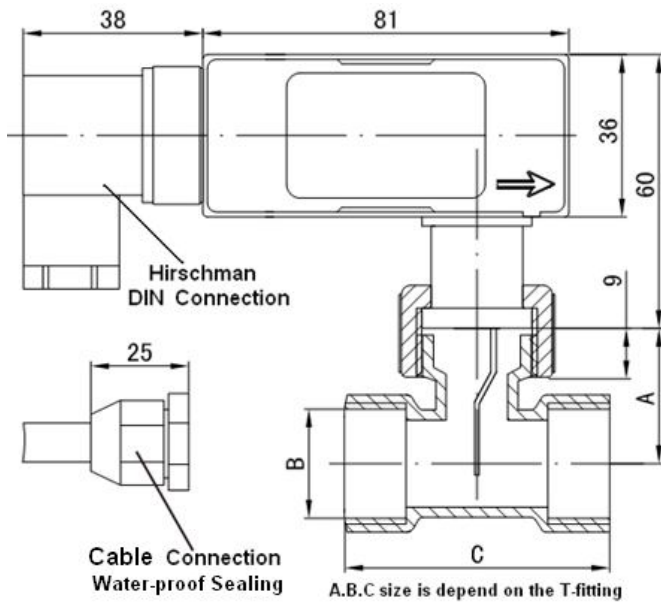
Model	Pipe Size	Adjustable Range for Flow Setpoint (L/min)				
		1st Range	2nd Range	3rd Range	4th Range	5th Range
GE-315-G3/8"	DN10	1.4~2.0	2.0~2.6	2.4~3.2	2.7~3.6	3.7~5.0
GE-315-G1/2"	DN15	3.3~4.4	4.4~5.9	5.3~7.2	6.0~8.1	8.4~11.3
GE-315-G3/4"	DN20	5.8~7.8	7.8~10.6	9.4~12.8	10.6~14.4	14.9~20.1
GE-315-G1"	DN25	9.1~12.3	12.2~16.5	14.7~19.9	16.6~22.5	23.2~31.4
GE-315-G5/4"	DN32	14.8~20.1	20.0~27.1	24.1~32.7	27.3~36.9	38.1~51.5
GE-315-G3/2"	DN40	23.2~31.4	31.3~42.3	37.7~51.0	42.6~57.6	59.5~80.5
GE-315-G2"	DN50	36.2~49.0	48.8~66.1	59.0~79.8	66.8~90.7	93.0~125.8

\* \* **NPT** or other thread is available

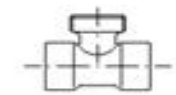
\* The adjustable range is for flow setpoint, **not for max flow rate**.

\* The max T-fitting pipe size could be DN100, we could supply the adjustable paddle flow switch with T-fitting DN63(2+1/2") DN75(2+3/4") DN80(3") DN90(3+1/2") DN100(4")

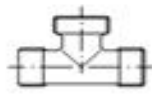
**Dimension Drawing:**



**Pipe Connection:**



**female thread**  
brass  
stainless steel



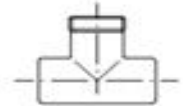
**male thread**  
brass  
POM



**welding, soldering**  
glue socket  
brass, stainless steel, PVC

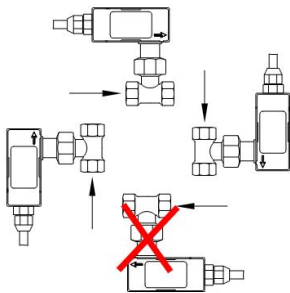


**solder fitting**  
copper

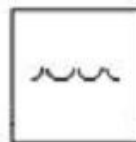


**glue fitting**  
PVC

**Installation:**



**Measuring Substance:**



water



gas/air



oil

**How to Choose the Type?**

A B C D E

**GE-315** □—□—□—□—□

Letter	Parameter	Option
A	Pipe Size	DN10 (3/8") ~ DN50 (2")
B	Pipe Connection	Female Thread; Male Thread, NPT or BSP
C	Adjustable Range of setpoint	1st range ~ 5th Range
D	Wire Connection	Hirschman DIN; Cable with sealing (1m 2x0.75m <sup>2</sup> )
E	Special Demand	Custom-made OEM ODM is acceptable