

## BVA Series Flow Meters



**BVA 2000 SW P 00**

This is model BVA, 2000 L/hr, PVDF float connection PVC solvent weld ends

### General Description

Based on the float Principle with the float moving freely without friction in the measuring tube.

With the measurement taken at the top of the float, the standard scale is for water at 20°C

The Measuring tubes are available In PVC, Trog amid, or Polysulphon, Floats are PVDF or St St

PVC Union Ends solvent weld standard threaded optional

Note.

1. Extra long flow rate scale
2. Scale L/min, Meters 3, or Percentage
3. Better than 4% accuracy of actual Flow or Class 4 to VDI 3513 part 2
4. Must be mounted vertically
5. Good corrosion resistance
6. Visual media contamination

**BVA**    **1000**    >    **SW**    >    **P**    >   

Model    Scale reading    Medium Connection    Float    Limit switch

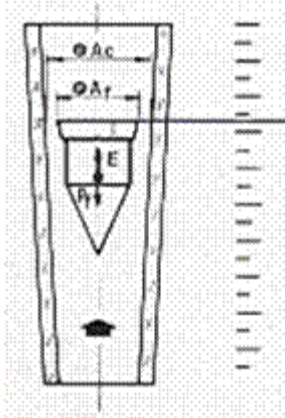
BVA flow Meter    range L/min

SW = Solvent weld  
TH = threaded

P = PVDF Standard  
S = St St  
M = with magnet

L1 = 1 low flow switch  
H1 = 1 High flow switch  
D2 = Hi & low Switches

## BVA Flow Meters

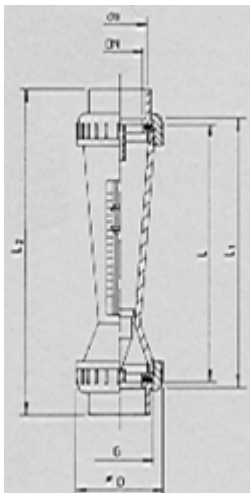


### Operation Principle

The fluid flows up through the tapered tube forcing the float to a position with sufficient free area to enable the flow to pass this free area is related to the flow rate, the weight of the float and the density and the viscosity of the fluid.

The pressure drop across the flow meter remains constant over the entire flow range, due to the velocity of the fluid, and the area of the flow increasing as the flow rate increases.

Part N'o	Measuring range Ltrs / Hr H <sub>2</sub> O	da	DN	L	L1	L2	D
BVA 24	3 > 24	15	10	165	172	199	43
BVA 60	5 > 60	20	15	170	176	199	43
BVA 100	10 > 100	20	15	170	176	199	43
BVA 150	15 > 150	20	15	170	176	199	43
BVA 250	25 > 250	25	20	185	191	229	60
BVA 400	40 > 400	25	20	185	191	229	60
BVA 600	60 > 600	32	25	185	191	229	60
BVA 1000	100 > 1,000	32	25	185	191	229	60
BVA 1500	150 > 1,500	32	25	185	191	403	60
BVA 2000	200 > 2,000	50	40	335	341	417	83
BVA 3000	300 > 3,000	50	40	335	341	417	83
BVA 6000	600 > 6,000	63	50	335	341	457	103
BVA 10000	1000 > 10,000	63	50	335	341	457	103
BVA 15000	1500 > 15,000	75	65	350	356	444	122
BVA 25000	2,500 > 25,000	75	65	350	356	444	122
BVA 50000	10,000 > 50,000	75	65	350	356	444	122



### Limit Switch Operation

#### Maximum flow:

On increasing flow the contact closes when the float reaches the height of the alarm sensor. And remains closed while the float is above the sensor.

It opens again when the flow reduces and the float returns to below the sensor.

#### Minimum Flow:

on reducing flow, the contact closes when the float reaches the height of the alarm sensor. It remains closed while the float is below the sensor.

It opens again when the flow increases and the float rises above the sensor