



*When every drop counts.*

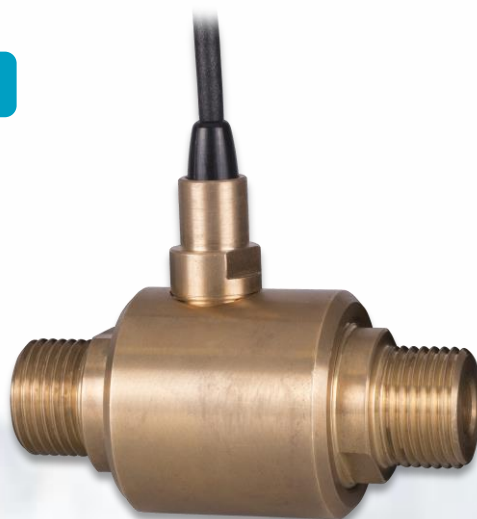
## Brass Turbine Flow Sensor

Outstanding performance in various applications

The brass flow sensor of Equiflow has low flow sensing capabilities in a wide range of applications suitable for neutral, aqueous and opaque liquids including fuel. An ultra light-weight turbine rotor follows the fluctuation of the flow very accurately and generates a high resolution infrared-reflected digital output signal. In either flow controlled or monitoring applications, the brass flow sensor can measure flow rates and totalize.

### CHARACTERISTICS

- Brass turbine flow sensor with high resolution output
- Measuring by revolutionary infrared turbine reflection
- High accuracy and repeatability
- Also suitable for opaque liquids
- All wetted parts are made of brass, PVDF, ruby bearing and EPDM (Viton®) sealing
- Optional: programmable K-factor



MODEL	0045 Low Flow	0045	0085
Inner diameter in mm	4.6	4.6	9.3
Linear flow range	0.07 – 1.0 L/min	0.1 – 2.0 L/min	1.0 – 20.0 L/min
Minimum flow	0.02 L/min	0.03 L/min	0.5 L/min
Accuracy	1% of reading	1% of reading	1% of reading
Repeatability	< 0.15%	< 0.15%	< 0.15%
Wetted materials	Brass / PVDF / Ruby	Brass / PVDF / Ruby	Brass / PVDF / Ruby
O-ring seals	Viton or EPDM	Viton or EPDM	Viton or EPDM
Connections	¼" BSP/NPT	¼" BSP/NPT	¾" BSP/NPT or ½" BSP
Length in mm (incl. housing)	73	73	74
Liquid temperature in °C	-20 to +80	-20 to +80	-20 to +80
Max. pressure at 20°C in bar	100*	100*	200*
Viscosity in cSt.	0.8 - 10	0.8 - 10	0.8 - 10
Approx. K-factor in pulses/L	130,000	100,000	4,800
Power supply	5 - 24 Vdc	5 - 24 Vdc	5 - 24 Vdc
Output signal	5 - 24 V square wave	5 - 24 V square wave	5 - 24 V square wave
Power consumption	34 mA at 5 V	34 mA at 5 V	34 mA at 5 V
Default cable	PVC 1 meter	PVC 1 meter	PVC 1 meter

\* With additional pressure support the maximum pressure will be 150 bar (0045 models) and 250 bar (0085 models)

All data based on water and under ideal laboratory test conditions. The specifications can vary among the different local process conditions. Other specifications on request | Patent US5388466 | Subject to change without notice | V.012020