

**BR-025**  
 1.1/4"BSP

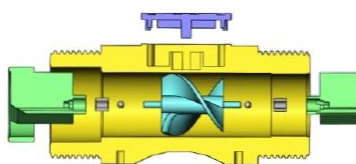
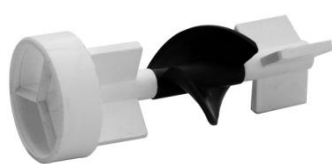
**BR-020**  
 1"BSP

**BR-012**  
 3/4"BSP

**BR-008**  
 1/2"BSP

**BR-004**  
 1/4"BSP


## HELICAL ROTATING SENSOR



The helical flow sensor is a special positive displacement system with a very favorable low pressure drop behavior, therefore perfectly suited for flow measurements for low and high viscosity liquids.

The special developed mechanical helical sensing system provides wide measuring ranges, high accuracy and high resolution they are the excellent choice for water, laminating systems, painting systems, adhesive dispensing systems, as well as batching systems for various viscous liquids.

### MATERIALS

Body: Nylon PA66 + 30% GF (Glass Fiber)  
 Helical rotor: Nylon PA66  
 Shaft: S.S. AISI316  
 Ball: S.S. AISI304 with hard coating  
 Support: POM  
**Optional**  
 Body and Helical rotor in Stainless steel

### ELECTRICAL DATA

**Connections**  
 3 wires cable lenght 20cm  
**Output**  
 NPN Open-Collector pulses (5 to 24Vdc)  
**Optional**  
 Reed switch 2 wire  
 Display totalizer/meter/4-20mA battery/24Vdc

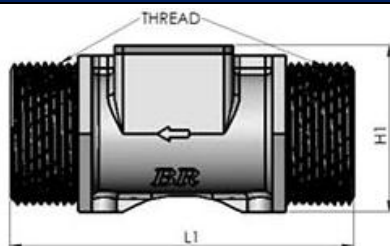
### WIRING



MODELS	Size BSP male	Range l/min	PPL approx	Accuracy wide range	Repeatability standard	Temperature range	Pressure max	Viscosity range
BR-004	1/4"	0.5 ÷ 6	3900	±1%	0,1%	-20°...+80°C	2 bar	1 ÷ 106 mm <sup>2</sup> /s
BR-008	1/2"	2 ÷ 30	950	±1%	0,1%	-20°...+80°C	2 bar	1 ÷ 106 mm <sup>2</sup> /s
BR-012	3/4"	8 ÷ 90	204	±1%	0,1%	-20°...+80°C	2 bar	1 ÷ 106 mm <sup>2</sup> /s
BR-020	1"	15 ÷ 150	84	±1%	0,1%	-20°...+80°C	2 bar	1 ÷ 106 mm <sup>2</sup> /s
BR-025	1.1/4"	18 ÷ 180	49	±1%	0,1%	-20°...+80°C	2 bar	1 ÷ 106 mm <sup>2</sup> /s

It is possible to use the flowmeters with lower flow rates by adjusting and recalibrating the PPLs

### DIMENSIONS



Models	L1	H1	Weight	Thread
BR-004	60	26.5	0.01 Kg	1/4"BSP
BR-008	70	32	0.04 Kg	1/2"BSP
BR-012	87	37	0.06 Kg	3/4"BSP
BR-020	95	42,5	0.08 Kg	1"BSP
BR-025	101.3	49	0.12 Kg	1.1/4"BSP

Never use compress air to test the flowmeter