

GENERAL CHARACTERISTICS

The Hall effect flow rate sensor consists of a full plastic enclosure and linear turbine wheel. The revolutions of the turbine are magnetically sensed by an external hall sensor and processed to a stable frequency output. The advantage of this principle is the independence from pressure conditions and the optional mounting position.

- * high accuracy, low cost
- * optional installation

Male thread G3/8A PA

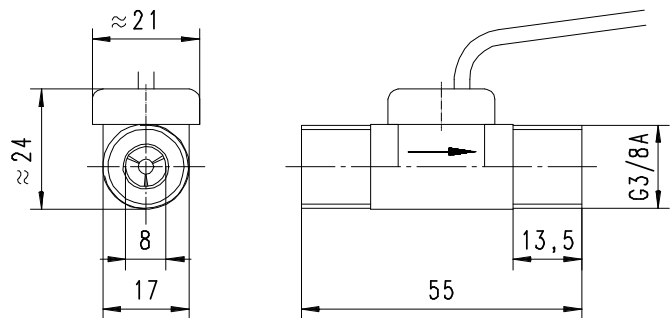
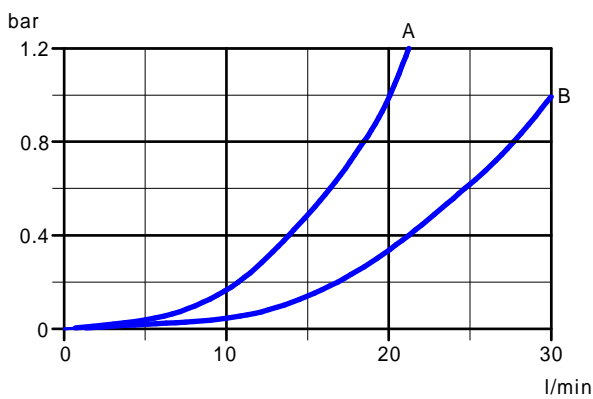


TECHNICAL DATA

G	Type	PN bar	metering range l/min H ₂ O	pulse / litre	frequency output Hz	pressure loss code	weight g
G3/8A	RRF-010AN005	14	0.5 - 5	6900	58 - 575	A	40
G3/8A	RRF-010AN010	14	1.0 - 10	3300	55 - 550	A	40
G3/8A	RRF-010AN015	14	1.0 - 15	2200	37 - 550	A	40
G3/8A	RRF-010AN030	14	2.0 - 30	1000	33 - 500	B	40

tolerance ±3% of reading
 repeatability ±0,5% full scale
 media temperature -20..100°C
 ambient temperature max. 80°C

PRESSURE LOSS

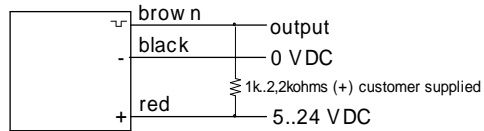


MATERIALS

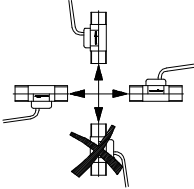
housing PA 12
 turbine PA 12
 bearings PTFE 15% graphite

ELECTRICAL DATA

input power 5..24VDC at 8mA
output NPN sinking open collector at 50mA max.
(1 to 2,2K Ohm Pull-Up Resistor Required)
(frequency output)
cable 1 m or spade terminals 2.8/6.3 x 0.8mm
protection class cable IP 65
spade terminals IP 00



MOUNTING POSITION



METERING SUBSTANCES



water

a filter < 50µm is recommended



oil up to 16mm²/s

NOMENCLATURE

For combinations see table "technical data"

RRF	010	A	N	005	K	basic type specification
	010					● nominal diameter DN 10 - G3/8A
		A				● male thread
			N			● housing material nylon
				005		● metering range 0,5- 5 l/min
				010		● metering range 1,0-10 l/min
				015		● metering range 1,0-15 l/min
				030		● metering range 1,0-30 l/min
					K	● cable
					F	○ spade terminals

All technical changes reserved

●BASIC Standard ○BASIC Programme option □VARIO Special option ⊕ PLUS Accessories ✗ not recommendable