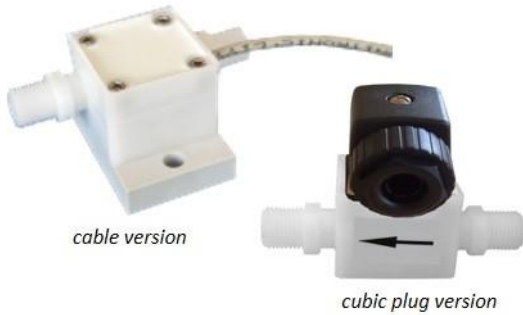


Flow Sensor R2 (1/4" male or 5/8" UNF)



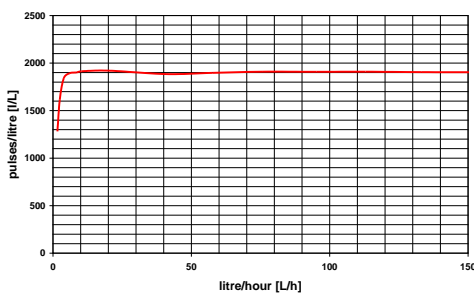
cable version

cubic plug version

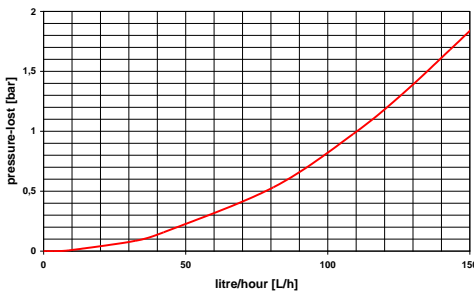


pulse output

pulse curve: *



pressure loss curve: *



electrical connection:



cubic plug version

PIN 1 : +4,5 ... 24 V_{DC}
 PIN 2 : Signal
 PIN 3 : GND

technical details :

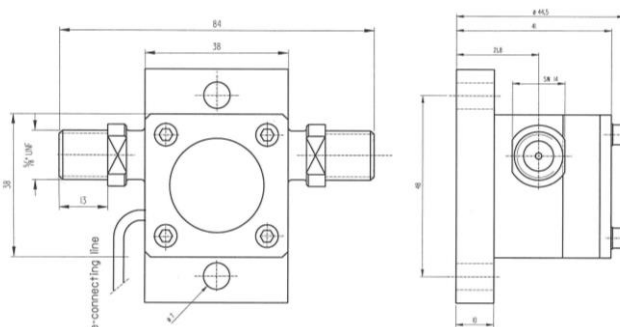
flow range / measuring range: (H₂O at 21°C)
R2 D1,2: 1,0...60 l/h / 3,0...50 l/h
R2 D1,7: 2,5...150 l/h / 6,0...130 l/h
R2 D03: 6,0...250 l/h / 15...200 l/h
R2 OD: 15...350 l/h / 30...300 l/h

viscosity: approx. 1 ... 10 cST
accuracy: +/- 2 % under same operating conditions
repeatability: < 0,8% under same operating conditions
flow direction: horizontal in arrow direction, see drawing
operating/burst press.: max. 10 bar / > 30 bar
operating temperature: -10 ... 80 °C
installation position: any, horizontal in arrow direction best ventilation
measuring principle: volume / speed measurement
sensing principle: halleffect, non-contacting
output signal: square wave
hydraulic connection: 2 x 1/4" male **or** 2 x 5/8" UNF
electrical connection: output type: complementary output stage
 power supply: 4.5 ... 24 V_{DC}
 output current: max. 11 mA at 24 V_{DC}
cable version: **white wire** → +4,5 ... 24 V_{DC} (VDC)
brown wire → earth (GND)
green wire → signal (OUT)
 cable standard length 5 m (3x0.14 mm² LiYY)
cubic plug version: PIN 1 → +4,5 ... 24 V_{DC} (VDC)
 PIN 2 → signal (OUT)
 PIN 3 → ground (GND)
 cubic plug DIN 43650 (EN175301-803A)
 IP rating: IP65

materials

	<u>version ECTFE</u>	<u>version POM</u>
housing / rotor:	ECTFE/ECTFE	POM/POM
injector:	ECTFE	POM
shaft / bearing:	in 1/4": Corepoint/ECTFE	Corepoint/POM
	or: Saphir/Rubin	
	in 5/8" UNF: Saphir/Rubin	
magnets:	capped in ECTFE	capped in POM
seals (optional):	FKM/Viton or EPDM [option: Kalrez [®] upon request]	
weight:	cable vers.: approx. 140 g / cubic plug vers.: approx. 86 g	

drawing:



safety instructions:

Attention! Please examine the stability of the used materials regarding the chemicals used by you.

Our flow meters may not be used as exclusive means for the prevention of dangerous conditions at machines and plants. Machines and plants must be designed in such a way that incorrect conditions cannot lead to an dangerous situation for the service personnel. The flow meter may only used of qualified personnel, excluding technical data according to which are used. Qualified personnel are persons, who are familiar with the list, assembly, start-up and enterprise of this equipment and over one its activity corresponding the qualification orders

* constant flow