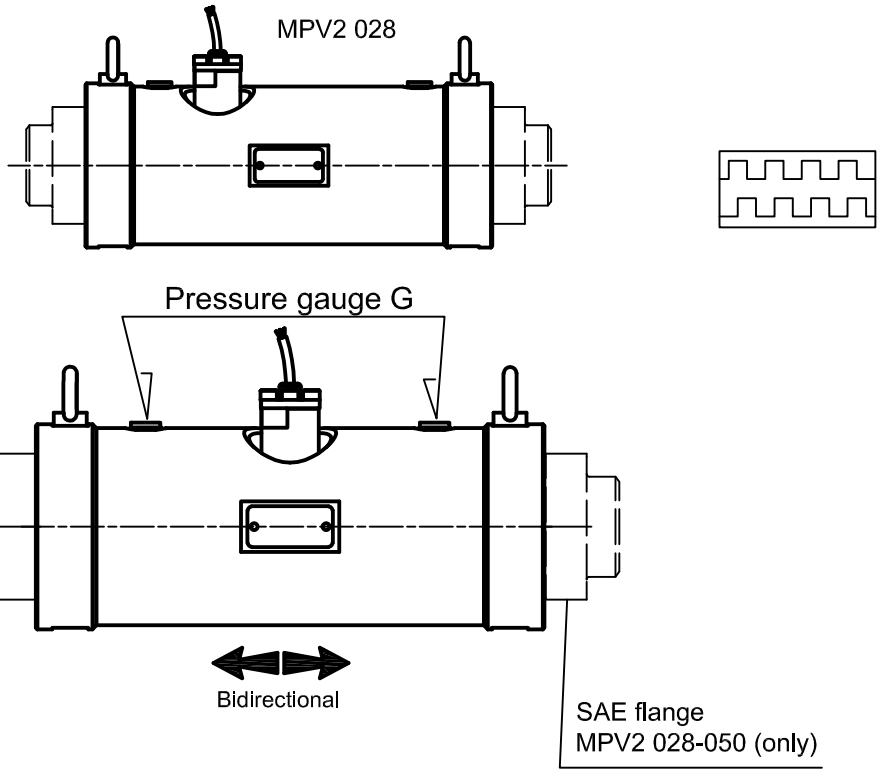
Flowmeter (two screws) MPV2

For hydraulic, lubricating oils, fuel Oil, Diesel Oil.
Special version on demand.
Maximum pressure 40 bar or 200 bar depending by flow meter dimension (up to 400 bar on demand).
Reduced pressure drop.

Main applications

Flow measurement also bidirectional (it is possible to dismount the sensor without fluid leakage*).
Only a sensor to measure flow rate and flow direction (*).
Evidence of the difference in flow rate between two flowmeters of the same size (*).
Totalization of the flow rate.
(*) Only with standard versions sensor - no for ATEX Version

Section and components



Optional
Inductive sensor ATEX.
Wheel.
Versions available: - steel flanges
- nodular cast iron GS400 body, aluminum or steel body.

MODELLO	Q min *l/min*	Q nom *l/min*	Q max *l/min*	P max* *bar*
028	0.2	60	90	200
050	1.0	300	450	160
075	3.4	900	1350	100
100	8	1920	2880	40

* Pressure applies to hydraulic oils and lubricating fluids, for other fluids contact SEIM

Consult the performance charts for the individual pump size.
For different functional characteristics, please contact our sales department.

TD - STE - MPV2 - IT 10-20-1

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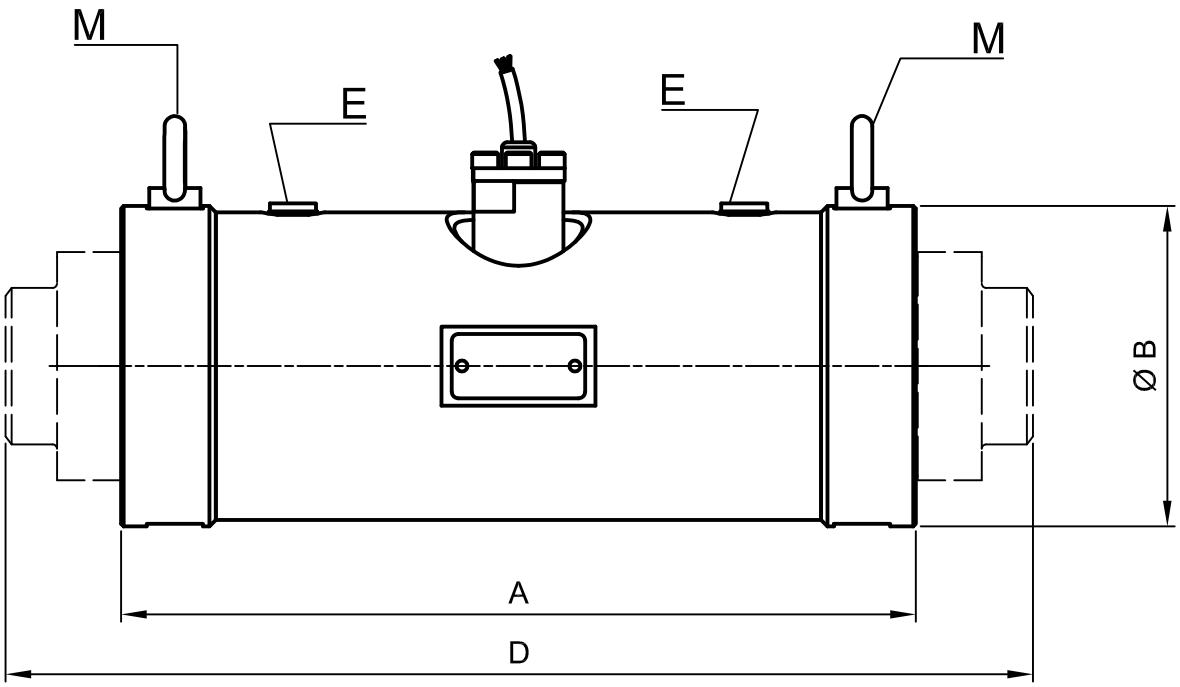

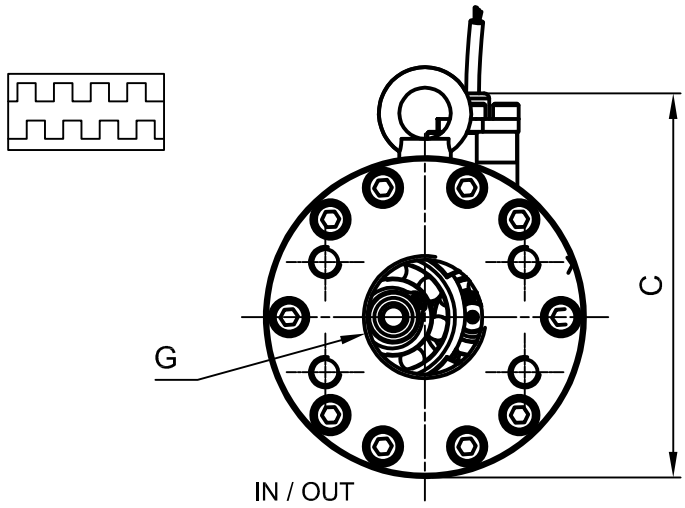

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Dimensional chart (mm)

MODEL	A	B	C	D	E	M	Weight (Kg)	G IN/OUT	Optional IN/OUT
028	224	93	137	272	G 1/8	M8	12	G 3/4"	SAE 1 - 3000
050	310	125	150	400	G 1/8	M8	23	G 1 1/2"	SAE 2 - 3000
075	500	168	180	-	G 1/4	M12	65	SAE 3" - 3000	
100	680	200	216	-	G 1/4	M12	110	SAE 4" - 3000	

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www.seim.it

Flowmeter (two screws) MPV2

Sensor features

Specifica	Valori	Standard
Power supply	4,5V ÷ 30V Max.	PDV Rev. 3 – P. 5.1
Output current	350mA Max.	PDV Rev. 3 – P. 5.5
Input current	25mA Max.	PDV Rev. 3 – P. 5.2
Frequency	10KHz Max.	-
Precision	90° ± 45°	-
Output type	Open manifold (resistenza pull-up)	-
Overload protection	420mA per 5”	PDV Rev. 3 – P. 5.6
Overvoltage protection	36V per 5”	PDV Rev. 3 – P. 5.7
Reverse Polarity Protection	-30V per 1h	PDV Rev. 3 – P. 5.3
Working distance	0.6mm Max.	-
Bewilderment	(90±45)°	-
Short circuit protection	On the ground for 5” ; Power for 5”	PDV Rev. 3 – P. 5.4
Operating Temperature	-40°C ÷ 150°C	IEC 60068-2-14 IEC 60068-2-1 IEC 60068-2-2
Degree of protection	IP67	IEC 60529
Storage Temperature	-65°C ÷ 150°C	IEC 60068-2-14 IEC 60068-2-1 IEC 60068-2-2
Vibration resistance	1mm/80Hz (~4g)	IEC 60068-2-6 ISO 15998
Compatibility EMC-BMI	BCI classe “A” – 100mA; (1÷400)MHz	ISO 11452-4
Body material	Copper	-
Tightening torque	25Nm	-

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Flowmeter (two screws) MPV2

Inductive sensor

	Standard version	On demand	
			
Available measure	Flow and direction	Flow	
Dedicated housing	Yes	Yes	
Output	Npn	Pnp	Npn
Atex version	//	Ex II 3G Ex nA II T4 X	
Short circuit protected	Yes	Not	
Possible combinations with various versions of digital panel (see prior page)	Version "1" "2","3","4"	Version "1" "2","4"	
Range of temperature (proximity)	-40...+150°C	-25...+80°C	
Degree of protection	IP67	IP68	
Supply voltage	min 4,5 Vcc, max 30 Vcc	75 VDC	
Rated operational current	max 350 mA	200 mA	

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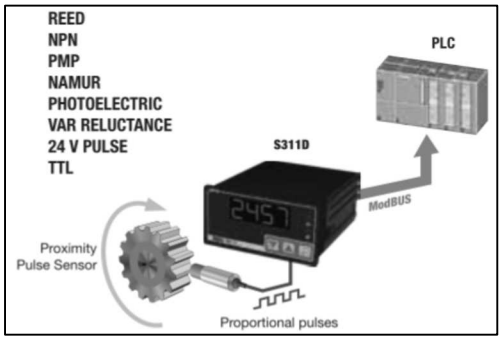
Digital panel (Optional)



Version "1": SHOWS THE INSTANTANEOUS FLOWRATE AND TOTALIZE (+ 1 Flowmeter with 1 inductive sensor)

Shows the istantaneous flow rate. It is available as option the module for signal retransmission. The same version can be programmed to show the totalization of flow rate in sobstitution to show the istantaneous flow rate.

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