



# ELECTROMAGNETIC INDUCTION FLOW METER

pipe instalation  
MVM

#### DESCRIPTION:

- process connectons stainless steel/PVDF
  - case aluminuim/ABS
  - fast response
- instalation in any position
  - electrodes stainless steel

#### APPLICATION:

- petrochemical industry
- chemical industry
- food industry
- metallurgy

#### TECHNICAL PARAMETERS:

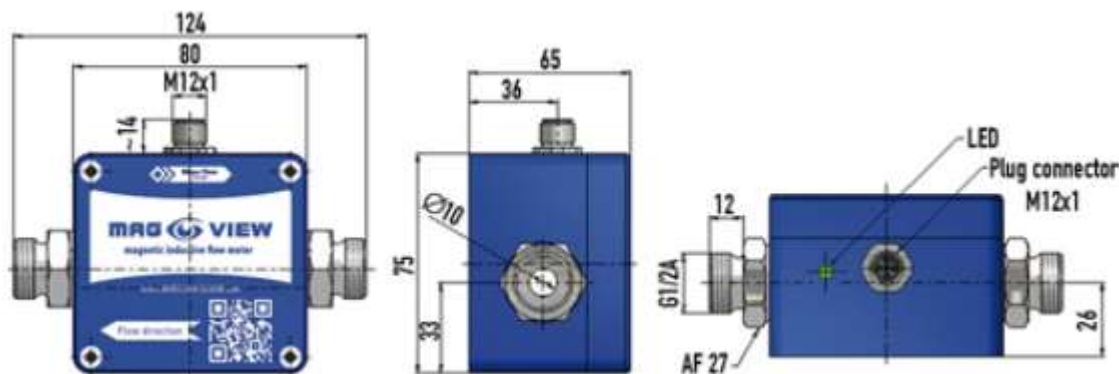
- measuring ranges: 0,5-250 l/min (MVM-xxx PA)
- measuring ranges: 0,1-250 l/min (MVM-xxx QA)
  - connection: 1/2 BSP, 3/8 BSP, 3/4 BSP, 1 BSP vnější závit
- power supply: 12-24 VDC, 24 VDC
  - output: 4-20mA
  - IP65

#### SPECIFICATION:

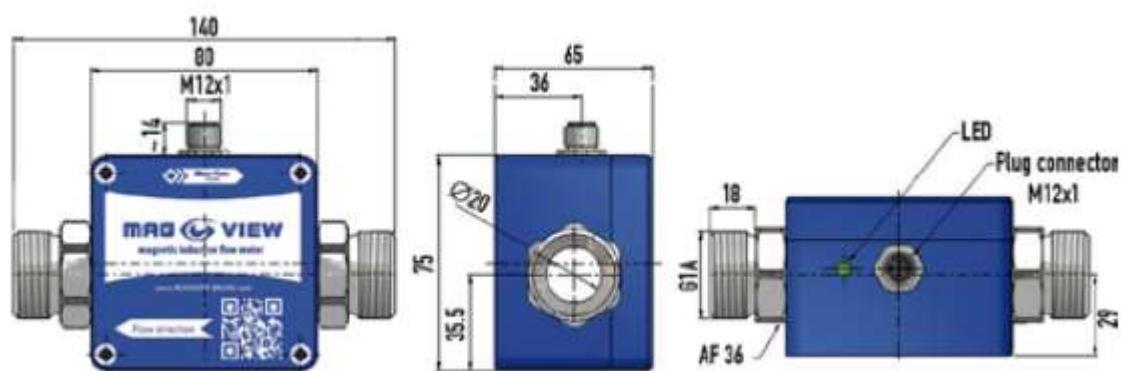
Electromagnetic flowmeter MVM offer high quality in areas where flow sensorswith moving parts cannot be used. Flowmeter is designed for continuous measurement flow rates or for dosing, dosing electrically conductive liquids. MVM works on the magnetic induction principle. The measuring tube is in the megnetic field. If electrically the conductive medium passes through the measiring tube and therefore the voltage is perpendicular to the magnetic field induced into the medium, which is proportional to the average flow spedd and captured by two electrodes. Pulse signal frequency and optional analong output is proportional to the flow.

Type	Measuring ranges	Thread		DN	Max. con.	Medium/amb. temp.	Accuracy class
	l/min liquid (H <sub>2</sub> O)						
MVM-030 PA	0,5-30 l/min	G1/2"	1/2" BSP	7	50 μS/cm	-20+90°C	1,5%
MVM-060 PA	1-60 l/min	G1/2"	1/2" BSP	10			
MVM-250 PA	5-250 l/min	G1"	1" BSP	20			
MVM-002 QA	0,1-2 l/min	G3/8"	3/8" BSP	3	20 μS/cm	Medium: -10+60°C  Ambient: 5-60°C	1%
MVM-005 QA	0,25-5 l/min	G1/2"	1/2" BSP	6			
MVM-020 QA	1-20 l/min	G1/2"	1/2" BSP	8			
MVM-050 QA	2,5-50 l/min	G3/4"	3/4" BSP	15			
MVM-200 QA	5-200 l/min	G1"	1" BSP	20			
MVM-250 QA	12,5-250 l/min	G1 1/4"	1 1/4" BSP	25			

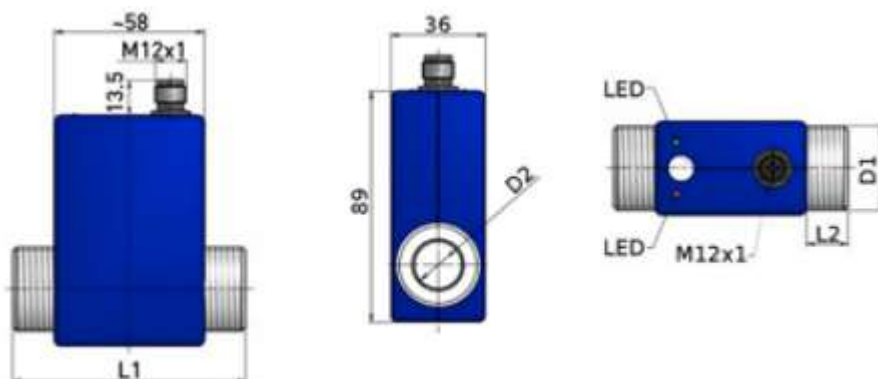
- MVM-030 PA a MVM-060- PA



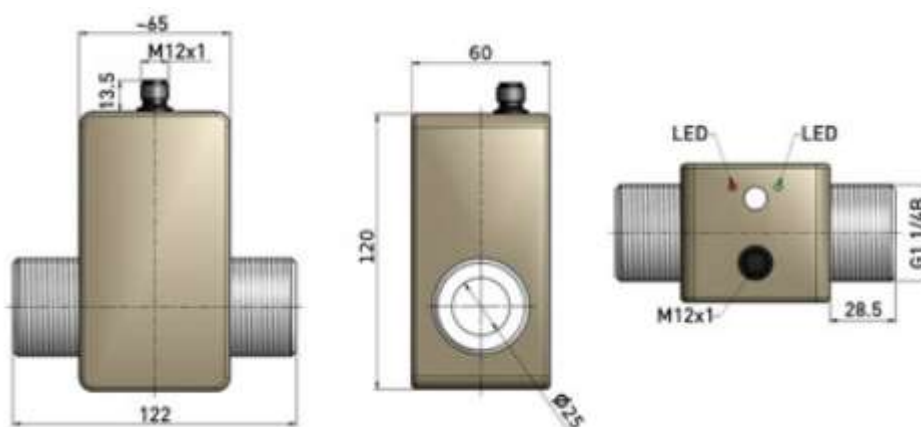
- MVM-250 PA



- MVM-002/005/050/100 QA

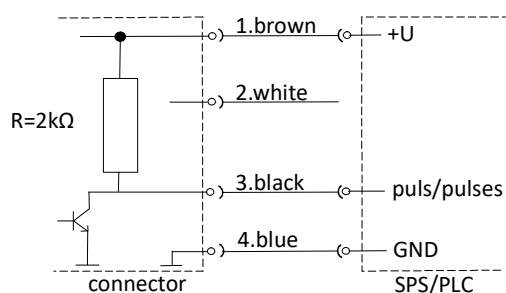


- MVM-250 QA



Type	L1	L2	D1	D2
MVM-002 QA	85	13,3	G3/8	3
MVM-005 QA	85	13,3	G1/2	8x2
MVM-020 QA	85	13,3	G1/2	8
MVM-050 QA	90	15,5	G3/4	14
MVM-200 QA	90	15,5	G1	18

### CONNECTION DIAGRAM TO PLC:



Electric connection

### CONNECTION DIAGRAM TO NPN or PNP:

