

## MP400



Magnetic inductive flowmeters of MP400 series from the Czech manufacturer EESA company will meet your requirements on accurate, reliable, multi-purpose and cost-effective device. The flowmeter can be used either separately or as a measuring element in various automating and measuring systems in water, heat, cool and living services as well as in all branches of industry.

Magnetic inductive measuring principle and construction of MP400 flowmeters enables reliable and long-term security of metrological properties of the device within wide range of flow rates and temperatures. High user comfort and easy flow rate matching to various measuring jobs are secured by the powerful microprocessor and its software.

There are no moving or fixed parts in the flowmeter inductive sensor that might interfere with the measured liquid flow. This is why this flowmeter is capable of measuring even very contaminated and viscous liquids while it does not cause any pressure loss and is not subject to wear.

The manufacturer carefully utilises his long-term experience from the corporate service activities throughout the Czech Republic as well as his permanent domestic and foreign clients' knowledge. The manufacturer provides training and detailed technical materials on the products for direct clients, assembly organisations and design engineers. EESA company has its own officially approved metrological workplaces and provides for both initial and subsequent tests of all its flowmeters.

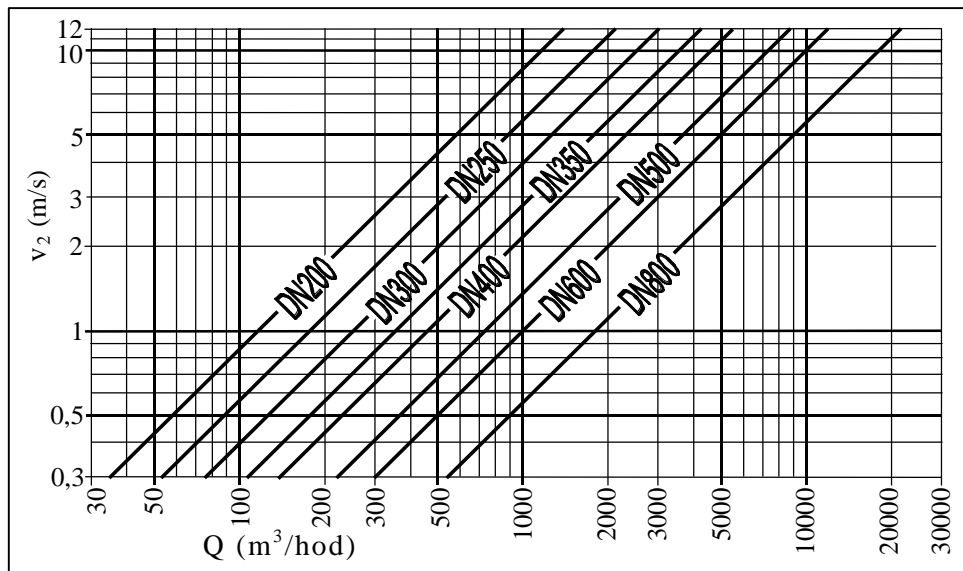
## DISTRIBUTOR'S ADDRESS

TEPSO Ltd.  
Haljas tee 25, 12012 TALLINN  
ESTONIA  
tel. +3726480235  
fax +3726480125  
E-mail: tepso@tepsa.ee <http://www.tepsa.ee>

## BASIC SPECIFICATION

Model: MP400

Rated inner diameter DN (mm)	200	250	300	350	400	500	600	800
Initial flow rate (m <sup>3</sup> /hour)	3,4	5,3	7,6	10,4	13,6	21,2	30,5	54,3
Min. flow rate Q <sub>min</sub> (m <sup>3</sup> /hour)	33,9	53,0	763	104	136	212	305	543
Max. flow rate Q <sub>max</sub> (m <sup>3</sup> /hour)	1360	2120	3050	4160	5430	8480	12200	21700
Max. impulse number Kp (imp/dm <sup>3</sup> )	4	2,5	1,6	1,25	1	0,5	0,4	0,25



Accuracy: ±1% of flow flow rate in range 2,5% Q<sub>max</sub> – Q<sub>max</sub>  
± 0,003 m/sec. below 2,5% Q<sub>max</sub>

Total measuring range:

1 : 400

Sensor lining:

Rubber

PTFE

Maximum temperature of

90 °C

150 °C

Maximum PN pressure:

10 (16) bar

Electrodes material:

stainless steel (standard),

Minimum conductivity of medium: 5,0 µS/cm

Power consumption:

< 20 VA

Power supply:

230 V RMS / + 10, -15% / 50Hz

Coverage:

IP54

Ambient temperature:

3 ÷ 50 °C

Safety class:

II. as per VDE 0631

MP400 E	MP400 C/M	
	standard	Display
	standard	Button to switch the measured data on display
standard	standard	Frequency / impulse output
standard*	option	Serial port RS232
	option	Serial port RS485
	option	Serial port M-Bus
standard*	option	RS232 with analogue output 4-20mA
	option	RS232 with analogue input 4-20mA
	option	Impulse input with programmable impulse sensor (external flowmeter, bottle counter, etc) + RS232
	option	Archive module
	option	IrDA
Compact	4-angles box	Standard design
	Standard	Bi-directional flow

\*It is not galvanically decoupled from the basic device hardware