

# Water-meter in plastic M 25 – M 40



(LCD totalizer or 6 rolls counter on dial)



BCP 48

- Water-meter, oscillating disc
- Body in nylon
- Ranges from 0.5 to 160 l/min
- Watertight measuring chamber

## APPLICATIONS

These water-meters are suitable for totalization of clean or slightly dirty liquids, raw or demineralized water.

## DESCRIPTION

M25 and M40 are volumetric counters, suitable for totalization of clean or slightly dirty liquids.

A grid located at the inlet, protects the measuring chamber from possible introduction of particles.

### Operation:

Lower and upper parts of measuring chamber are spherical in shape. Inside the chamber is the disc, which is set in motion by the liquid. The flow causes an oscillating movement of the disc, opening and closing alternately the inlet and outlet orifices of the measurement chamber. The frequency of disc oscillations is magnetically transmitted to the totalizer.

### Commissioning

The water-meter must be installed on a horizontal pipe, full of liquid.

### Displays and remote signals (3 possibilities):

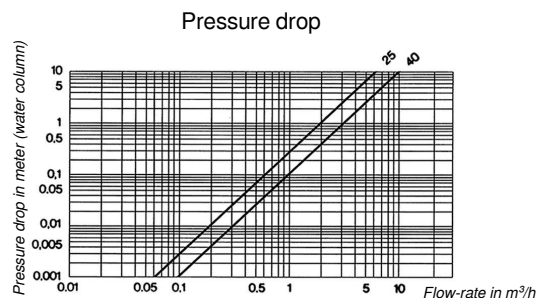
- Totalizer: 6 reading rollers
- Emitting head (1 or 10 pulses per liter) without display
- Emitting head (1 or 10 pulses per liter) without display LCD (Reset function by REED contact - Max. 20 Hz - 24 V - 50 mA)

### Accessories :

BCP 48: Counter/ downcounter (See data-sheet 289-01)

## TECHNICAL FEATURES

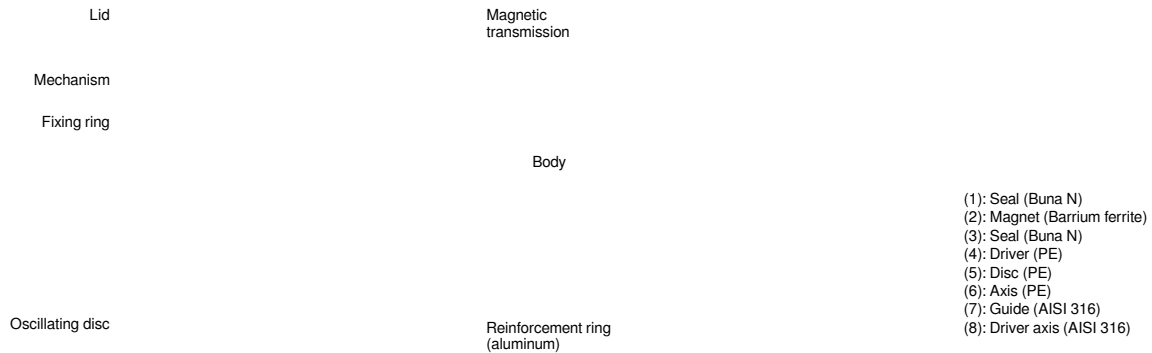
Flow ranges	M25: 1 to 100 l/min
	M40: 2 to 160 l/min
Viscosity	500 cPo
Nominal pressure	PN 16
Temperature	Max. 50 °C
Accuracy	± 1.5 %



**EC conformity:** The instrument meets the legal requirements of the current European Directives

## DESIGN

- Measuring chamber with oscillating disc, magnetic transmission, gridd to protect against the insertion of large particles.



## CODE NUMBERS AND DESCRIPTIONS

Code	Description
786 005	M 25 (without head) - 1 ... 100 l/min
786 008	M 40 (without head) - 2 ... 160 l/min
786 010	Head with 6 reading rollers for M 25
786 015	Head with 6 reading rollers for M 40
786 020	Head with pulse output; 1 p/l for M 25
786 025	Head with pulse output; 10 p/l for M 25
786 030	Head with pulse output; 1 p/l for M 40
786 035	Head with pulse output; 10 p/l for M 40
786 040	Head with LCD + pulse output; 1 p/l for M 25
786 045	Head with LCD + pulse output; 10 p/l for M 25
786 050	Head with LCD + pulse output; 1 p/l for M 40
786 055	Head with LCD + pulse output; 10 p/l for M 40

## DIMENSIONS

	Water-meter M 25	Water-meter M 40
Nominal diameter	ND 15	ND 25
Fittings	BSP 3/4"	BSP 1 3/4"
Length (L)	190 mm	270 mm
Width (B)	122 mm	151 mm
H: with totalizer	125 mm	150 mm
H: with pulse output head	168 mm	180 mm
H: with LCD & pulse output head	188 mm	200 mm
h	43.5 mm	50 mm
Mass	1.2 kg	1.8 kg

