

# Model MS

Multi-Jet Magnetic Water Meter



The Multi Jet Silver is a revolutionized water-meter with superior performances which exceeds all known products in the industry. The meter offers very accurate registration in extreme flows, contributing to the revenues of the assigned customer.

## Applications

For domestic, agriculture and industrial use

## Available Sizes

1 1/2" - 2" (40mm - 50mm)

## Standards

MID 2014/22/EC (based on OIML R49 EN 14154 and ISO 4064:2014),  
WRAS (for 40mm)

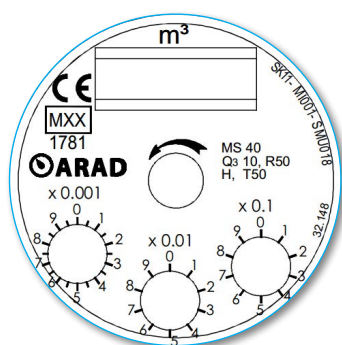
## Features

By incorporating revolutionized hydraulic design the meter has superior performances.

- Incorporates unique magnetic transmission which avoids disconnection
- Eliminates any previous installment requirements for straight pipe section of 10D 5D upstream and downstream respectively.
- Optional Electrical Output: EV, EF, Dialog 3G, ER.

## Technical Specifications

|                                    |                                                        |
|------------------------------------|--------------------------------------------------------|
| <b>Maximum Working Pressure</b>    | 10 bar                                                 |
| <b>Maximum Working Temperature</b> | 50°C                                                   |
| <b>Body</b>                        | Corrosion proof copper alloy<br>Cast iron upon request |
| <b>Coupling threads</b>            | BSP, NPSM                                              |



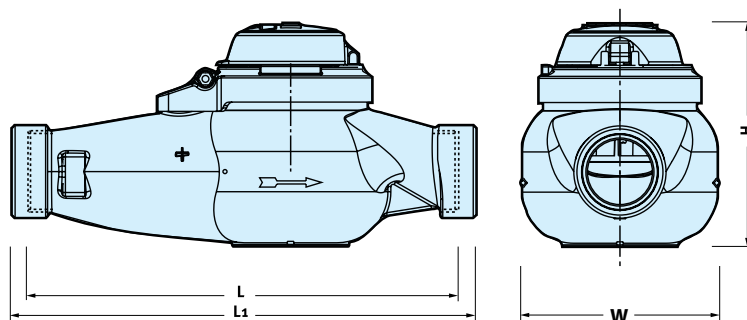
MS type dial

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## Dimensions

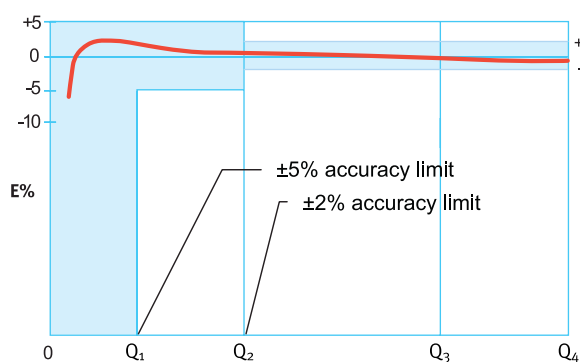
| Model                                       |        | MS40 | MS50 |
|---------------------------------------------|--------|------|------|
| Nominal size                                | (mm)   | 40   | 50   |
|                                             | (inch) | 1½   | 2    |
| L - Length without couplings (mm)           |        | 300  | 300  |
| L <sub>1</sub> - Length with couplings (mm) |        | 435  | 460  |
| B - Width (mm)                              |        | 125  | 160  |
| H - Height (mm)                             |        | 140  | 190  |
| Weight (kg)                                 |        | 4.1  | 8    |
| Weight with couplings (kg)                  |        | 5.1  | 9.4  |



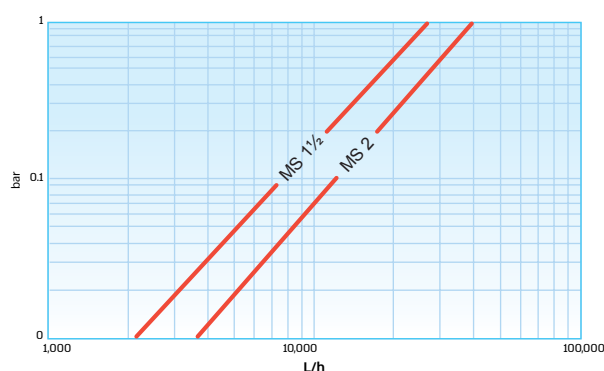
## Performance data:

| Model | Nominal size (inch) | Q1 Minimum flowrate (m³/h) | Q2 Transitional flowrate (m³/h) | Q3 Nominal flowrate (m³/h) | Q4 Maximum flowrate (m³/h) | R Q3/ Q1 | Indicating range (m³/h) | Smallest readable unit (liter) | Accuracy between Q4 & Q2 | Accuracy between Q2 & Q1 |
|-------|---------------------|----------------------------|---------------------------------|----------------------------|----------------------------|----------|-------------------------|--------------------------------|--------------------------|--------------------------|
| MS40  | 1½                  | 0.10                       | 0.16                            | 10                         | 12.5                       | 100      | 999,999                 | 0.5                            | ±2%                      | ±5%                      |
| MS40  | 1½                  | 0.20                       | 0.32                            | 16                         | 20                         | 80       |                         |                                |                          |                          |
| MS50  | 2                   | 0.32                       | 0.512                           | 16                         | 20                         | 50       |                         |                                |                          |                          |

## Accuracy Curve



## Head Loss Curve



## Installation Requirements

- The meter should be installed in horizontal position dial face up.
- Pipeline must be flushed before installation.
- The meter should be constantly full of water.