



## Mechanical water meter Q water 4 (SJ Evo)

Mechanical MID-conform meter for determining water consumption in water supply systems.

The water meter Q water 4 (MAD) is designed as a single-jet dry running meter in compact design, is available in the nominal flow rates  $Q_3$  1.6 m<sup>3</sup>/h, 2.5 m<sup>3</sup>/h, 4.0 m<sup>3</sup>/h and also as a special length of 115 mm.

## Application

---

The mechanical water meter used for measuring water quantities. The main areas of application are in water supply systems where the water is outputted individually to different consumers.

This is meaningful in:

- 】 Apartment buildings
- 】 Offices and administration buildings

Typical users are:

- 】 Private building owners
- 】 Housing associations
- 】 Building service companies
- 】 Property management compaies

## Functions

---

- 】 Measurement of water consumption
- 】 Display of consumption values

## Technology

---

### Measuring principle

The meter operates based on the single-jet measuring principle where the water jet hits the impeller tangentially. The impeller's speed is sensed magnetically.

## Mechanical design

---

### Basic design and totalizer

The water meter is comprised of a flow measuring section, which houses the impeller and the totalizer. It is designed as a compact unit; the flow measuring section and the totalizer form one unit. The body of the flow measuring section is made of brass. It houses the measuring chamber with the single-jet impeller. The inlet has a sieve to retain larger dirt particles. The flow measuring section carries the totalizer, which is a dry running meter. It is protected by a transparent plastic cover. The water meter indicates the actual consumption with an 8-digit totalizer. It has an indicator for the current water consumption and a rotating wheel for the indication of flow.

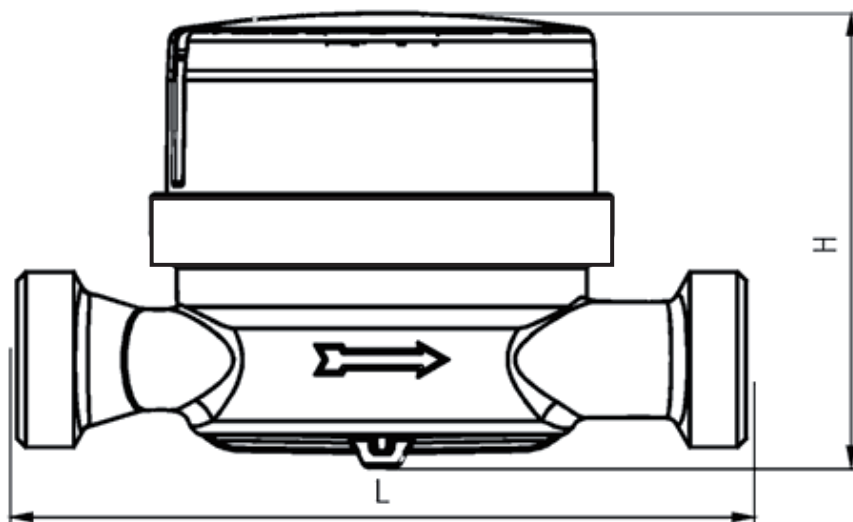
### Direct connection

The water meter for direct connection has a flow measuring section with two externally threaded connections. Fittings are used to mount it directly into the piping. The totalizer can be swivelled through 360°.

The water meter is equipped with a QUNDIS-specific Data Matrix code. It is located on the meter's marking plate, on the packaging and on the outer packaging and contains the serial number, the complete article number, the year of the conformity assessment and the number of products.

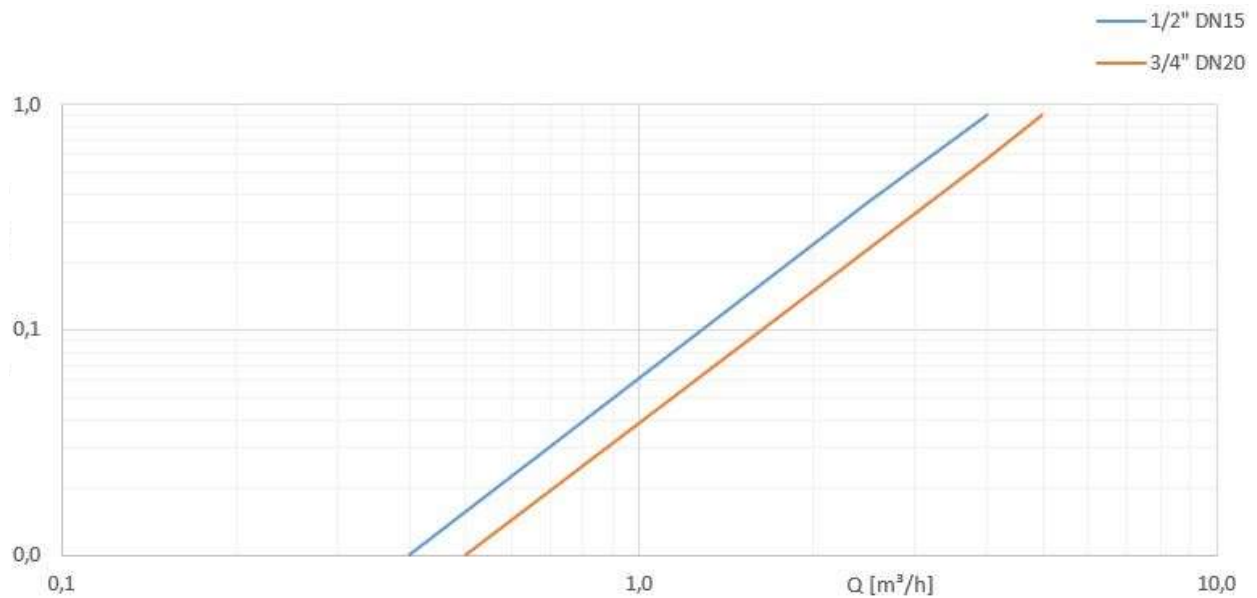
## Technical Data

Meter type	WMMH xxxx 0	WMMH xxxx 1	WMMH xxxx 2	WMMH xxxx 3	WMMH xxxx R	WMMH xxxx Y	WMMH xxxx Z
Meter size / permanent flowrate $Q_3$ in $m^3/h$	2.5		4	2.5	1.6	2.5	4
corresponds to previous nominal size $Q_n$ in $m^3/h$	1.5		2.5	1.5			2.5
Connection thread	G 3/4" B		G 1" B	G 3/4" B		G 7/8" B - G 3/4" B	G 1" B
<b>Performance data</b>							
Overload flow rate $Q_4$ in $m^3/h$	3.125		5.000	3.125	2.000	3.125	5.000
Transition flow rate $Q_2$ $_{(H/M)}$ in l/h	50/63.5		80/101.06	50/63.5	25.6/64	50/63.5	80/101.6
Min. Flow Rate $Q_1$ $_{(H/M)}$ in l/h	31.25/39.7		50/63.5	31.25/39.7	16/40	31.25/39.7	50/63.5
Measuring range (MID) $Q_3/Q_1$ $_{(H/M)}$ Optional measuring range	R80/R63	R80/R63 R160/R63	R80/R63 R160/R63	R80/R63	R100/R40	R80/R63	R80/R63
Permanent flowrate $Q_3$ in l/h	2,500		4,000	2,500			4,000
Temperature class MAT in °C	Cold water T50 Hot water T30/T90						
Perm. operating pressure MAP in bar	16						
Mechanical class	M1						
Protection rating	IP 67						
Inflow/outflow zone	U0 / D0						
Length L in mm	80	110	130	130	110	115	115
Height H in mm	74,1						
Nominal width DN in mm	15	15	20	15	15	15	20
Weight in kg	0.35		0.45	0.35			0.45
Start-up in l/h	6		8	6			8
Ambient conditions	Transport: -25 °C ... 70 °C, <95 % RH (without condensation)						
	Storage: -5 °C ... 45 °C, <95 % RH (without condensation)						
	Use: 5 °C ... 55 °C, <95 % RH (without condensation)						
Drinking water approvals	Germany: KTW, W270   France: ACS   Italy: Law no. 31/1, Decree no. 174/2004						



## Pressure loss curves

---



---

✉ **QUNDIS GmbH**  
Sonnentor 2  
99098 Erfurt / Germany  
☎ +49 (0) 361 26 280-0  
☎ +49 (0) 361 26 280-175  
✉ info@qundis.com  
**www.qundis.com**

The information in this data sheet only contains general descriptions or product characteristics, which may not always apply in particular application cases and/or may be subject to change through further development of the product. Required product characteristics are then binding if they are expressly agreed when the contract is drawn up.  
©2025 QUNDIS GmbH. Subject to change.