

Single jet Dry type Water Meter STW

GENERAL

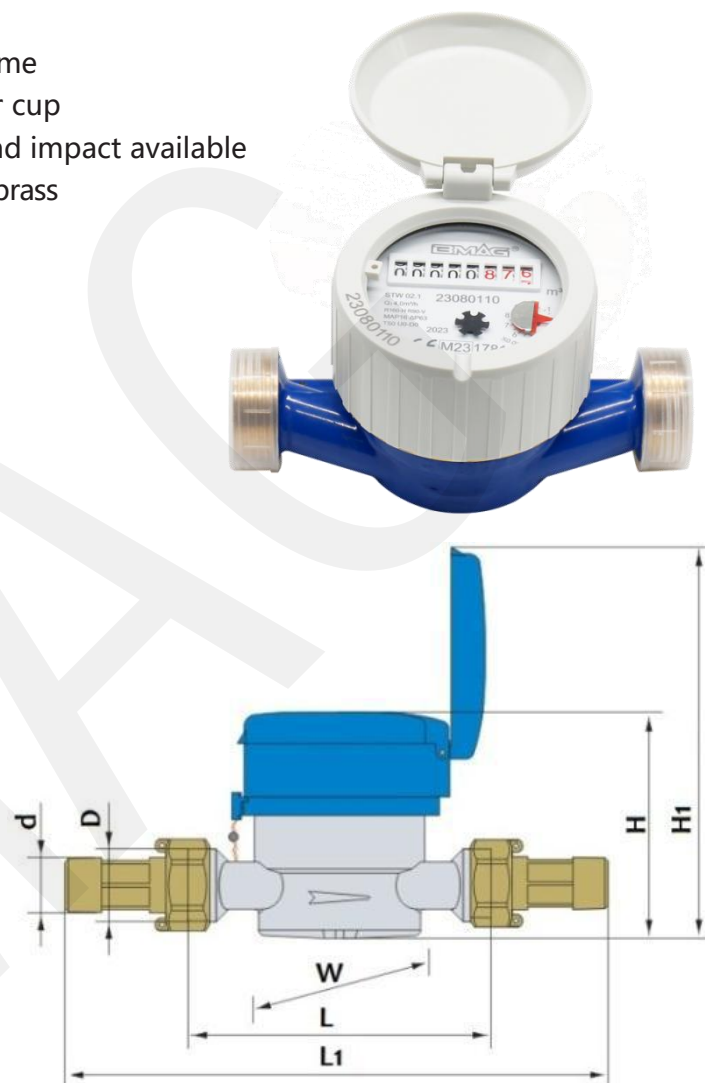
- Single jet working principle assures a long service time
- IP68 protection with copper / stainless steel register cup
- Reinforced glass with high resistance to pressure and impact available
- Electrostatic painted body made of corrosion resistant brass
- Protection against external magnetic fields
- Available for optical reading • 360° rotating dail
- Pulse output and AMR reading features are optional
- Non return valve and filter available
- Suitable for potable water, cold water up to 50°C
- Almost no maintenance • Vacuumed mechanism
- Low pressure loss, high sensitivity at initial flow

Dimension

Size	DN15	DN20
L	110/115	115/130
L1	204/209	209/234
D	3/4"	1"
d	1/2"	3/4"
H	84.5	84.5
H1	145.5	145.5
W	81.5	81.5

Technical Data

Size			DN15	DN20
Overload Flowrate	Q4	m ³ /h	3.125	5
Permanent Flowrate	Q3	m ³ /h	2.5	4
Transitional Flowrate	Q2	l/h	25	40
Minimum Flowrate	Q1	l/h	15.625	25
Q3/Q1 (OIML R49)			R160	
Mounting on the network			Horizontal	
Max. Reading		m ³	99999.9999	
Min. Reading		Liter	0.05	



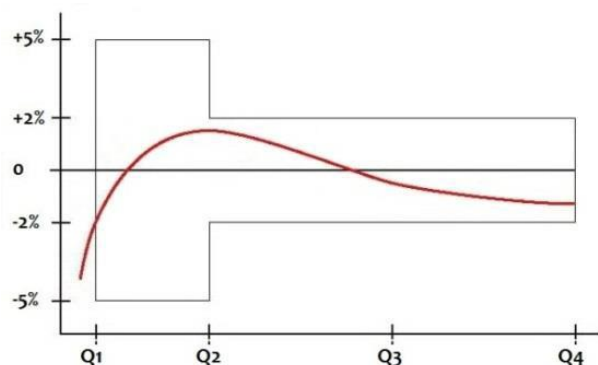
Size			DN15	DN20
Initial Flowrate	Qi	l/h	6	8
Max. Working Pressure		bar	16	
Max. Working Temperature		°C	50	
Pressure Loss		bar	0.63	

Accuracy

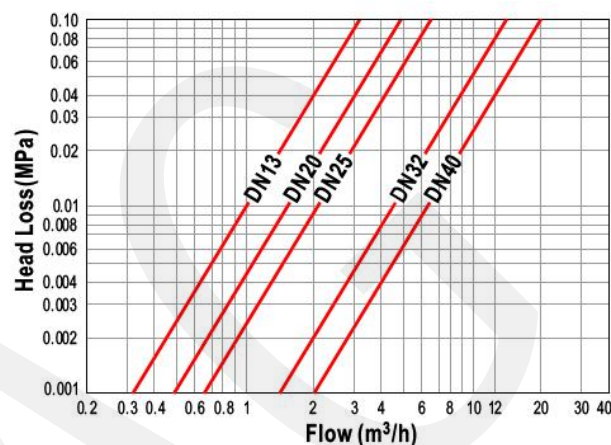
From Q1 inclusive up to but excluding Q2 is $\pm 5\%$;

From Q2 inclusive up to and including Q4 is $\pm 2\%$ for T30 and $\pm 3\%$ for T50;

Error Curve



Pressure Loss Curve



Installation

- The meter should be installed in HORIZONTAL position with the direction of the flow as indicated by the arrow cast on the meter body with register face upwards
- Pipeline must be cleaned before installation;
- The meter should be constantly full of water during operation;
- BMAG suggest to install the water meter as follows and in the water meter box

