Bopp & Reuther

Multi-Jet Water Meter

SNI 2547 : 2008

MT-KD-X

15 mm

Characteristics and Advantages

- Hermetically vacuum-sealed register
- Magnetic transmission
- Magnetic shield, for external magnetic field protection
- High-flow accuracy and steady curve characteristics
- Solid and robust design
- High scratch resistant glass
- Internal strainer
- Minimum friction wear due to negligable impeller weight, bearing flushing and hard metals
- External calibration
- Rotating star for flow indication, electronic calibration on the test bench and leak detection
- Internal Check valve - Optional

Compliance with Standards

- ISO 4064 Class B

- The meters MT-KD-X Multi-Jet Water Meter was designed to measure potable water.
- Working principle: while water passes through the water meter, several water jets make the impeller rotate. The impeller's rotations are proportional to quantity of water passing through and magnetically transmitted to the register, in which the reading of the water meter takes place.
- Its solid and sturdy construction makes the meters MT-KD-X Multi-Jet Water Meter suitable for various applications.
- The meters MT-KD-X Multi-Jet Water Meter ensures high sensitivity and accurate registration throughout a wide flow range.

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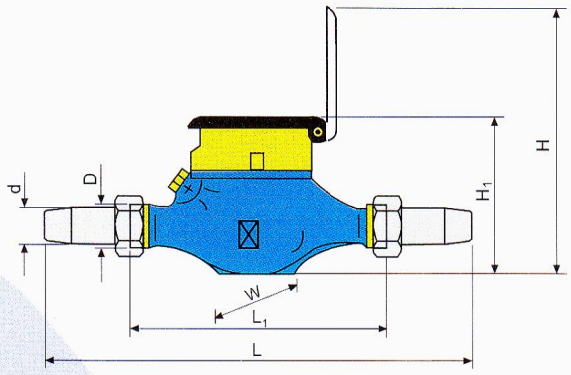
Multi-Jet Water Meter

MT-KD-X

Dimensions and Weights

Operating Conditions

- Water temperature: up to 50°C
- Pressure rating: PN-10

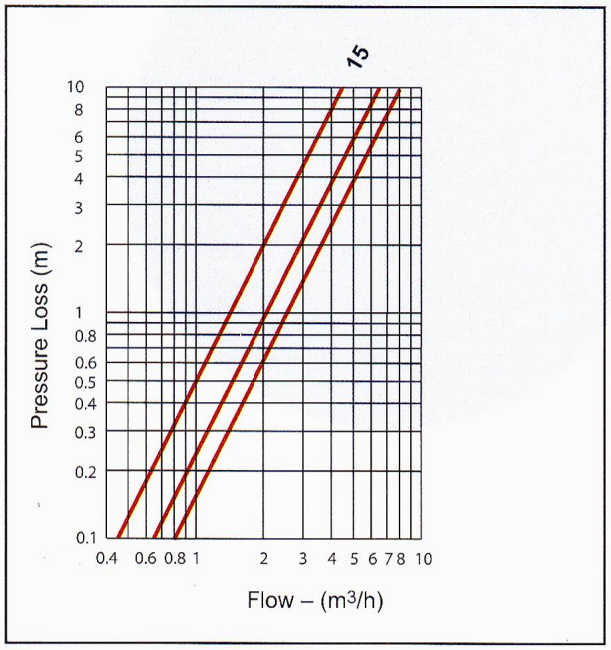


Nominal Size DN ⌀	mm	15
	inch	1/2"
Body thread (inch)	D	3/4"
Connectors thread (inch)	d	1/2"
Length (mm)	L	259
	L_1	165
Width (mm)	W	93
Height (mm)	H	167
Height (mm)	H_1	98
Weight without connectors (kg)		1.08
Weight with connectors (kg)		1.25

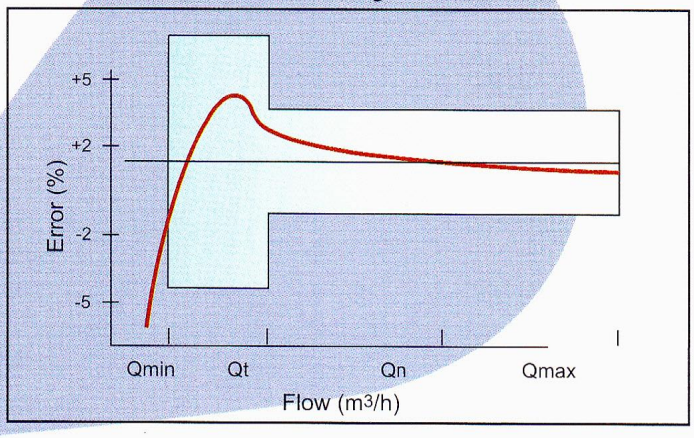
Metrological Data

Nominal Size DN ⌀	mm	15
	inch	1/2"
Qn–Nominal Flow	m 3/h	1.5
Qmax–Max. Flow	m 3/h	3
Qt–Transitional Flow	m 3/h	0.12
Qmin–Min. Flow	l/h	30

Pressure Loss Curve



Accuracy Curve



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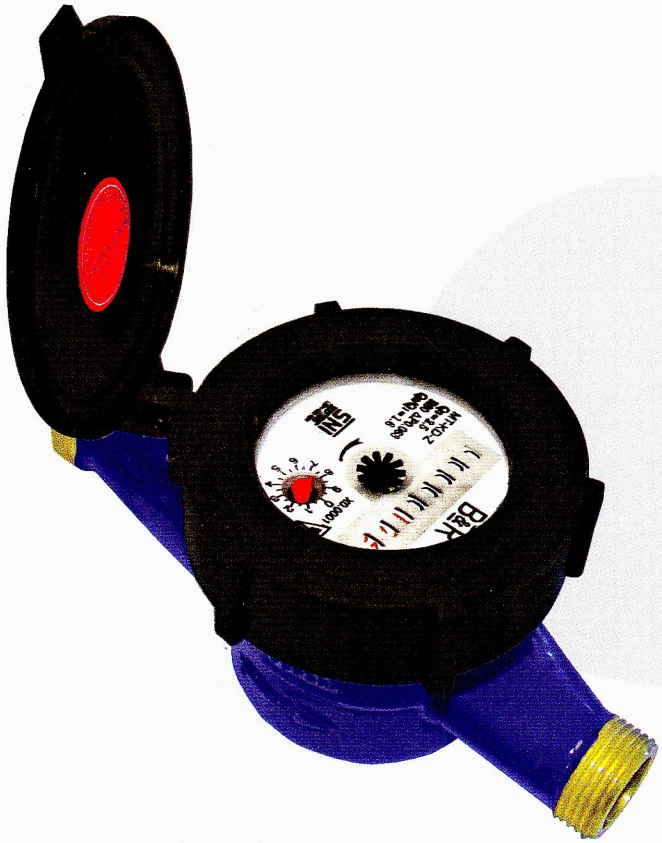
Multi-Jet Water Meter



SNI 2547 : 2008

MT-KD-Z

15 mm

Characteristics and Advantages

- Hermetically vacuum-sealed register
- Magnetic transmission
- Magnetic shield, for external magnetic field protection
- High-flow accuracy and steady curve characteristics
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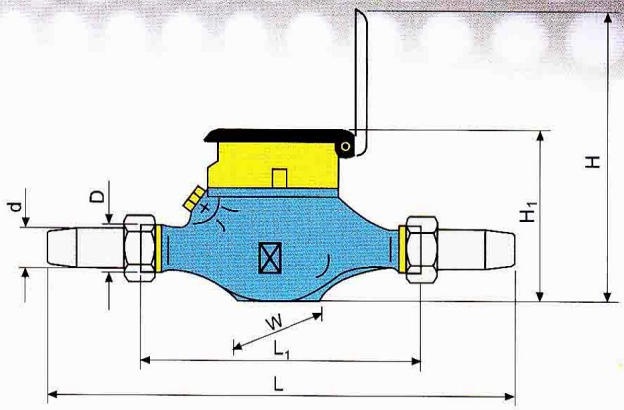
Multi-Jet Water Meter

MT-KD-Z



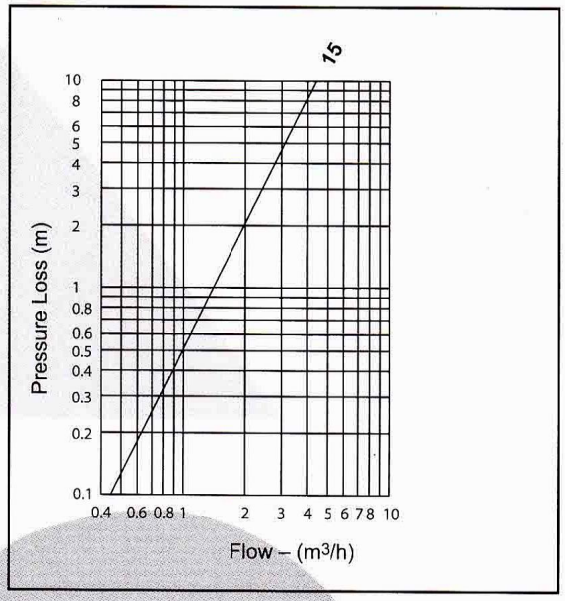
Dimensions and Weights

Operating Conditions

- Water temperature: up to 50
- Pressure rating: PN-10

Nominal Size DN	mm	15
	inch	1/2"
Body thread (inch)	D	3/4"
Connectors thread (inch)	d	1/2"
Length (mm)	L	210
	L_1	165
Width (mm)	W	88
Height (mm)	H	169
Height (mm)	H_1	87

Pressure Loss Curve



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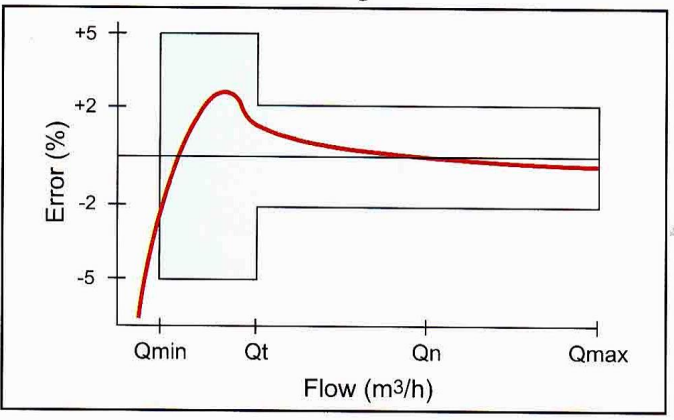
Accuracy Curve



Installation Recommendations

- Keep MT-KD-Z Multi-Jet water meter in a horizontal position
- Install a strainer upstream of the MT-KD-Z to eliminate debris that could damage or stop the measuring element.
- Prior to installing a MT-KD-Z in a new line, flush the line to remove debris.
- Ensure that the MT-KD-Z is full of water during measuring.