

## ► Brunata multi-jet water meter type MPMJ-UPMG for utility water

Multi-jet impeller meter for allocation of cold and hot utility water.

### Characteristics

- Multi-jet water meter
- Resistant to lime deposits
- Low sensitivity to impurities
- 'Easy-to-read', mechanical counter (can be rotated 360°)
- Nickered measuring chamber
- Replaceable volumetric unit/metering cartridge
- Including O-ring gasket for condensation protection
- Suitable for use with cold water to 30 °C
- Suitable for use with hot water to 90 °C
- Reading in cubic metre with three digits
- Horizontal and vertical installation (please see reverse page)
- Available with pulse generator for remote reading
- Approved according to EEC, verified
- Approval class: A

### Further information

MPMJ-K & V are multi-jet impeller meters in completely dry-running design with magnetic coupling. Tests show that in systems in which single-jet meters have been unable to function properly this meter works well.

Meters with pulse generators come with a 1.5-metre standard cable. If necessary ask for extension.

The meters can be installed horizontally as well as vertically. The counter should not turn downwards but it can be rotated for easier reading.

The measuring chamber (UPMG) comes with a blind cap in order for the system to be flushed before installing the volumetric unit (MPMJ).



Type	Varenr.
Measuring chamber for volumetric	
UPMG G3/4B x 80 mm*	19-7235-H
Metering cartridge for cold water without pulse generator	
MPMJ-K	19-7227-H
Metering cartridge for hot water without pulse generator	
MPMJ-V	19-7226-H
Metering cartridge for cold water, 10 litres/pulse	
MPMJ-K10-K	19-7228-H
Metering cartridge for hot water, 10 litres/pulse	
MPMJ-K10-V	19-7229-H

\*) For other sizes, please refer to the dimensional table

Options/: Brunata pulse counter PO-4  
Accessories Brunata pulse counter PO-4 with radio for remote reading

*Brunata is a 100 % Danish owned company. We have more than 85 years of experience within developing and producing heat cost allocators and heating accounts. Brunata als has implemented a quality system in accordance with EN ISO 9001. Please contact us for further information on our products!*

## Technical data

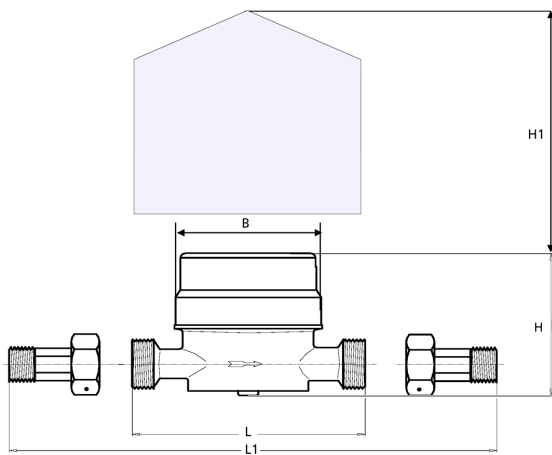
Type				MPMJ
Nominal flow rate		$q_n$	m <sup>3</sup> /h	1.5
Maximum flow rate	Transitory	$q_{max}$	m <sup>3</sup> /h	3.0
Transition flow rate		$q_t$	l/h	150
Minimum flow rate		$q_{min}$	l/h	60
Starting flow rate		$q_{start}$	l/h	12
EU accuracy class				A
Accuracy of measurement	Verification limits	$q_{min} - q_t$		± 5 %
		$q_t - q_{max}$		± 2 %
Max temperature	Cold-water meter			30 °C
	Hot-water meter			90 °C
Pressure class			Bar	PN10
Switch load			Max 28V DC – 0.1 A (3w)	
Pulse output	Passive reed switch		Litres/pulse	10
Approval no.	Cold-water meter		30 °C	D91/6.131.83
	Hot-water meter		90 °C	D91/6.331.25

## Dimensions

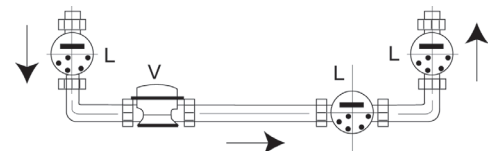
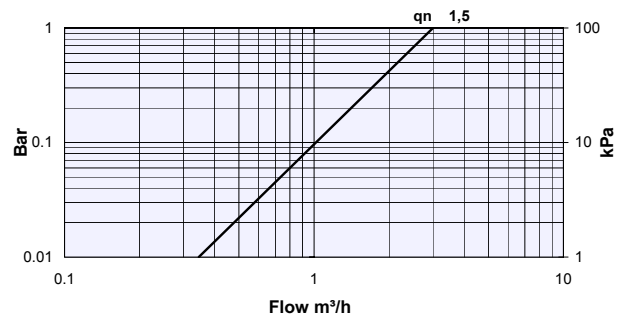
Type			19-7235-H	19-7238-H	19-7236-H	19-7237-H
Lenght	L	mm	80	110	110	110
Lenght with coupling	L1 *)	mm	160	190	-	-
Width	B	mm	65			
Height	H	mm	110			
Headroom for installation	H1	mm	Minimum 160			
Connection thread	Meter	Inches	G <sup>3</sup> / <sub>4</sub> B	G <sup>3</sup> / <sub>4</sub> B	inside R <sup>1</sup> / <sub>2</sub>	inside R <sup>3</sup> / <sub>4</sub>
	Coupling	Inches	R <sup>1</sup> / <sub>2</sub>	R <sup>3</sup> / <sub>4</sub>	-	-
Weight with chamber		kg	1.3			
Installation position			Vertical or horizontal			
Cable lenght at pulse output		m	1.5			

\*) Standard coupling, not included when delivered

## Dimensional outline



## Head loss graph



Correct installation options  
 V = Horizontal installation  
 L = Vertical installation