

WATER METER/ VOLUMETRIC



JV600

VOLUMETRIC METER FOR DRINKING WATER

DN15
Q3=2,5m³

R800

T30 | T50

MAP 16

IoT Ready

Pattern approval according to the most demanding accuracy levels of the OIML-R49;

Composite Body with high mechanical resistance;

High accuracy curve due to the new volumetric chamber technology;

In maximum admissible error (+/- 5%) under 3,0 L/h (R800).

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JV600 OFFERS:

- ✓ Extended curve error accuracy. Exactness from flowrates under the minimum standardized up to the maximum flowrate;
- ✓ Materials consciously selected to be resistant to corrosion and hydrolysis;
- ✓ Composite body with absolute stability to pressure , torsion, compression and temperature;
- ✓ IoT Ready. JV600 has inductive pulse output. that can be equipped with any pulse sensor (e.g. JANZ JI for direct coupling) or LPWA sensors (e.g. MYWATER).

TECHNICAL CHARACTERISTICS:

Maximum Admissible Pressure (bar) : MAP 10 | MAP 16

Temperature Class (°C): T30 | T50

Ratio Q3/Q1: Up to R800

Pressure Loss-Class: ΔP 63

Installation Position: Arbitrary positions

Flow Profile Sensivity Classes: U0D0

Indicating Range (m³): 9999 / 99999 / 999999

Resolution of the Indicating Device (L): 0,02 or 0,002

Body: Composite

Certificates: EU Examination Certificate TCM 142/14 - 5191 according to Directive 2014/32 / EU, in accordance with OIML Recommendation R49: 2006 and EN14154: 2005 + A2: 2011. Comply with the requirements of OIML Recommendation R49: 2013 and ISO 4064-1: 2014. ACS approval, conformity of materials in contact with water.



CERTIFICATE N.95/CEP341



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TECHNOLOGY

JV600 was developed to accomplish the highest performance standards. His great design and engineering along with highly detailed raw materials selection criteria guarantees the ideal compromise between sensibility and durability.

» The **Magnetic Coupling** conception reduces the number of mechanic components working into water largely upgrading the reliability of the product. It also ensures an effective protection against external influences.

» The **Volumetric Chamber** has a new design and a high standard technology witch guarantees the maintenance of the accuracy curve during his lifetime as long as the capacity to retain particles in suspension avoiding blockage. As the JV600 volumetric chamber is supported by elastic elements it can achieve an enormous capacity of vibration absorption and a low noise level.

» The **Indicator Device** has no gears inside water and large high contrast rollers. To obtain a comfortable reading position it can rotate 360°. The JV600 register has an anti-tampering alert system (red pin). To prevent water condensation the JV600 indicator device is sealed by ultrasounds welding (IP68) and for extreme applications an Extra Dry copper-glass can option is also available.

» **Pulse Output:** JV600 is equipped with an Inductive pulse output (1 pulse = 1L) and is ready for the most advanced technologies such as IoT (Internet of Things).

TECHNICAL DATA:

DN		15	
Ratio Q3/Q1	(R)	200, 250, 315, 400, 500, 630, 800	
Permanent Flowrate	Q3 (m ³ /h)	2,5	
Maximum Flowrate	Q4 (m ³ /h)	Q3 × 1,25	
Transitional Flowrate	Q2 (dm ³ /h)	Q1 × 1,6	
Minimum Flowrate	Q1 (dm ³ /h)	Q3 / R	
Quadrant Indication	(m ³)	9 999 or 99 999	99 999 or 999 999
Verification Division	(L)	0,02 or 0,002	0,02



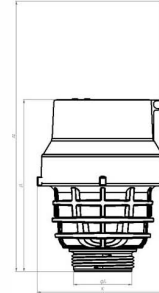
CERTIFICATE N.95/CEP.341



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DIMENSIONS:

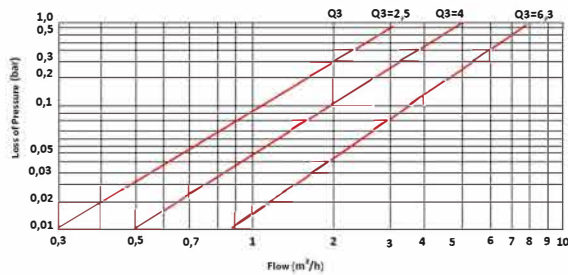
Nominal Diameter	DN	mm	15
Length*	L	(*)	1" 1/2
Height	K	mm	101
Height	J1	mm	132
Height	J2	mm	207
Weight		kg	0,240



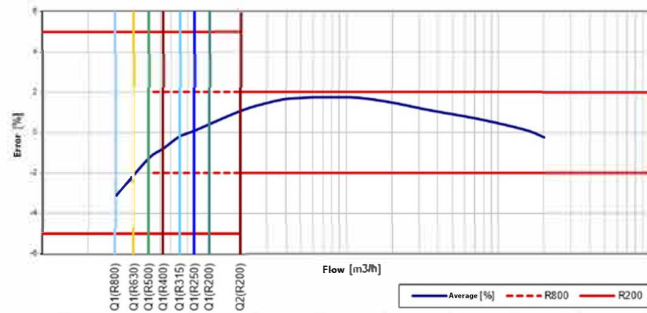
Dimension plan please consult our website:
www.janz.pt

*Other available options

HEAD LOSS DIAGRAM



TYPICAL CURVE ERROR



OPTIONS

JV600 CAN BE EQUIPPED WITH ADVANCED TECHNOLOGIES:

- » JANZ JI Inductive pulse sensor (or any other similar product)
- » LPWA Telemetry System MYWATER (or any other similar product)

READING RESOLUTION

The indicator device presents a resolution of 0,02.

EXTRA DRY

For extreme applications including extended submersion a Super Dry copper-glass can version is available.

