

WATER METERS/ VOLUMETRIC

JANZ LEADING THE
WATER FUTURE



JV400

VOLUMETRIC METER FOR CLEAN WATER

DN15 to DN40
(Q3 2,5 TO Q3 16 M3/h)

UP to R800

T30 | T50

MAP 10 | MAP 16

MID approved

IoT Ready

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

Starting flow rate under 1,0 L/h;

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

Effective protection against external influences;

Excellent performance in sudden starts.

WATER METERS/ VOLUMETRIC



JV400 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.
- ✓ Chock resistant thermoplastic components that can be safely submitted to temperatures up to 50°C.
- ✓ IoT Ready. JV400 has inductive pulse output. that can be equipped with any pulse sensor (ex: JANZ JI for direct coupling) or LPWA sensors such as MYWATER.

OPERATIONAL CHARACTERISTICS

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

Temperature Class: T30 | T50

Ratio: Q3/Q1 : Até R800

Pressure Loss-Class: ΔP 63

Installation Position: Arbitrary positions

Flow Profile Sensivity Classes: U0D0

Indicating Range (M3): de 4 a 7 dígitos dependendo do modelo (ver tabela de Dados Técnicos)

Resolution of the indicating device: (L): 0,02 ou 0,002 dependendo do modelo (ver tabela de Dados Técnicos)

Body: Brass

Ec Type Examination: TCM 142/10 - 4738 in accordance with Directive 2014/32/EU (new MID), ISO 4064:2014 and Directive 2004/22/EC (MID), EN14154:2005+A1:2007

WATER METERS/

VOLUMETRIC

TECHNOLOGY

JV400 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 **Hydraulic Chamber** produced with the most advanced materials and the most accurate procedures contains a filter underneath that prevents the entrance of particles in suspension avoiding blockage

» The **Indicator Device** with no gears inside water it has big rollers with great contrast .To obtain a comfortable reading position a 359° rotation is possible as well as an 45° register. Both flat register and 45° register have an anti-fraud alert system (red pin). To prevent water condensation the JV400 indicator device is closed (sealed?) by ultrasounds welding (IP68). For extreme applications an Extra Dry option is also available

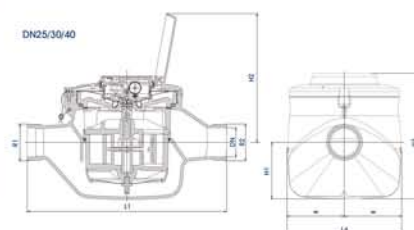
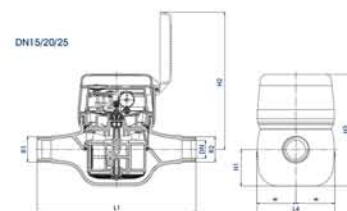
» **Pulse Output** : JV400 is equipped with an Inductive pulse output (1pulse = 1 lt). Ready for the most advanced technologies such as IoT (Internet of things)

TECHNICAL DATA

		R315	R400	R315	R400	R315	R400	R315	R400	R315	R400
Permanent flowrate	Q3 (m3/h)	2,5	2,5	4,0		6,3		10,0		16,0	
Maximum flowrate	Q4 (m3/h)	3,125		5,0		7,88		12,5		20,0	
Transitional flowrate	Q2 (dm3/h)	12,70	10	20,34	16	32	25,20	50	40	81,27	64
Minimum flowrate	Q1 (dm3/h)	7,94	6,25	12,7	10	20	15,75	31,75	25,0	50,79	40
Quadrant indication	(m3/h)										
Maximum reading		9,999				99,999				999,999	
Verification division						0,02					

DIMENSIONS

Nominal Diameter	DN	mm	15 ou 20	25 ou 25	25	30	40		
Threaded connect.	R1-R2	(*)	G ³ / ₄ B - G1B	G1B - G ¹ / ₄ B	G1 ¹ / ₄ B	G1 ¹ / ₂ B	G2B		
Lenght	L	mm	165	190	190	260	260	300	
Lenght	H1	mm	38	38	63	63	74,5	85,5	
Lenght	H2	mm	146	146	157	157	168	167	
Height	H3	mm	130	127	127	143	143	165,5	175
Width	L4	mm	82	91,5	91,5	129	129	150	173
Weight		kg	0,850		1,250	3,150	4,500	6,800	



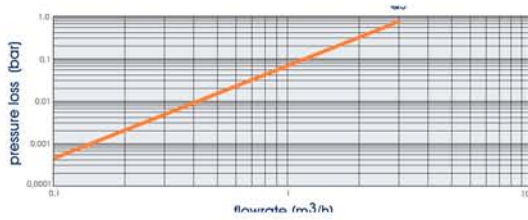
CERTIFICATE N.95/CEP/341

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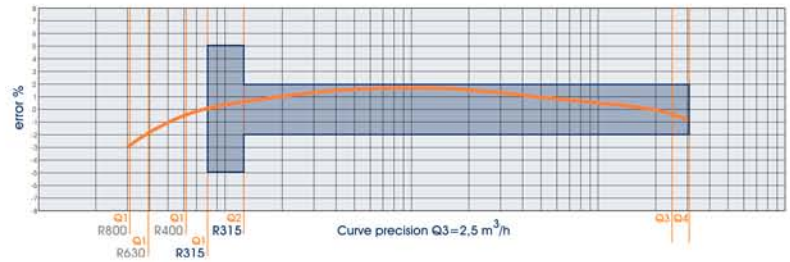
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HEAD LOSS



TYPICAL CURVE ERROR



OPTIONS

JV400 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 0,2 (DN40); 0,02 (DN15 to DN32) or 0,002 optionally (DN15/20)

EXTRA DRY

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



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