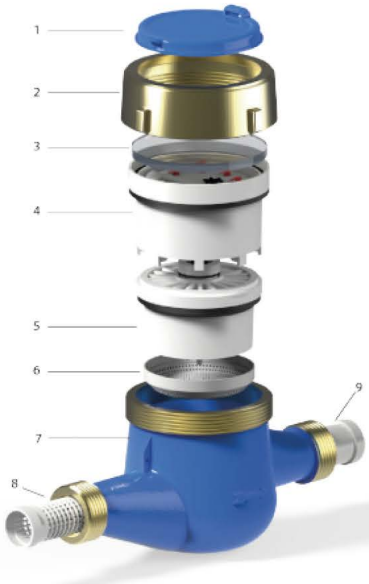
VRP-xx-E

VOLUMETRIC TYPE WATER METER

Key Technical Advantages

- Volumetric Rotary Piston Technology: The internal **rotating piston mechanism** captures and counts the exact volume of water. This technology provides higher sensitivity compared to standard jet meters and ensures consistent accuracy.
- **R160** Measurement Precision: Thanks to its volumetric design, the VRP series achieves a measurement ratio of Q3/Q1 ≤ 160 (R160). It effectively detects extremely low flow rates, minimizing non-revenue water.
- Dry Register with Magnetic Coupling: While the piston operates within the water (wet part), the register is hermetically sealed (dry part). The rotation is transmitted via a magnetic coupling, guaranteeing that the display remains fog-free and readable throughout its service life.
- High Pressure Resistance (MAP 16): The robust body construction is rated for a Maximum Admissible Pressure of 16 Bar (MAP 16).
- Smart Ready: The meters can be equipped with "Reed" type pulse transmitters upon request, making them ready for remote reading systems.



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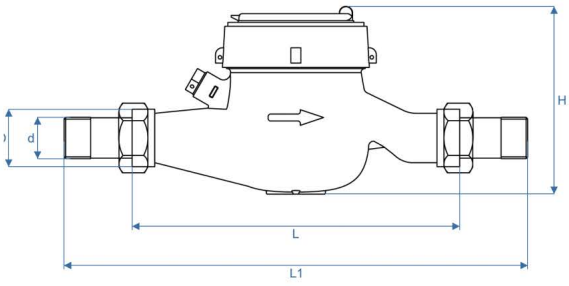
VRP-xx-E

Data Sheet	VRP-15-E	VRP-20-E	VRP-25-E	VRP-32-E	VRP-40-E
Diameter - mm	DN15	DN20	DN25	DN32	DN40
Overload flowrate Q_4	≤ 3,125	≤ 5,00	≤ 7,88	≤ 12,5	≤ 20,0
Permanent flowrate Q_3	≤ 2,50	≤ 4,00	≤ 6,30	≤ 10,00	≤ 16,00
Transitional flowrate Q_2	≥ 0,025	≥ 0,040	≥ 0,063	≥ 0,100	≥ 0,160
Minimum flowrate Q_1	≥ 0,0156	≥ 0,025	≥ 0,0394	≥ 0,0625	≥ 0,100
Measuring range (R) Q_3/Q_1	**≤ 160**				
Accuracy Class	2				
Temperature class T	T 50				
Water pressure class Bar	MAP 16				
Horizontal length mm	165	190	260	260	300
Pressure loss class Bar	ΔP 63				
Flow profile sensivity class	U0 D0				
Orientation	H (Yatay)				

Dimensions



Size	DN 15	DN 20	DN 25	DN 32	DN 40
L	165	190	260	260	300
L1	259	294	380	384	431
D	G3/4	G1B	$G1^{1/4}B$	$G1^{1/2}B$	G2B
d	$R^{1/2}$	$R^{3/4}$	R1	$R1^{1/4}$	$R1^{1/2}$
H	107,5	107,5	117,5	117,5	141,5

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