CONTROL VALVES IBERMAD

Volumetric Rotary Piston Water Meter

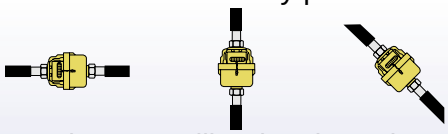
V-BAR

RPP-K

- The V-BAR **RPP-K Volumetric Water Meter** was designed for domestic use with potable water.
  Its solid and sturdy construction makes the RPP-K suitable for many different applications.
- The working principle of the **RPP-K Volumetric Water Meter** is based on a calibrated chamber of known capacity and a rotary piston activated by the energy of the flow that passes through.
  The piston rotates while the chamber fills up and empties with a constant volume of water. By counting these cycles, the register indicates the total volume that has been registered.
- The **RPP-K Volumetric Water Meter** ensures high sensitivity and accurate registration throughout a wide flow range.

Characteristics and Advantages

• Can be installed in any position:



• Requires no calibration throughout life span
• Liquid-sealed register
• Corrosion resistant body
• Internal check-valve
• Internal strainer

Compliance with Standards

• ISO 4064 Class B or C

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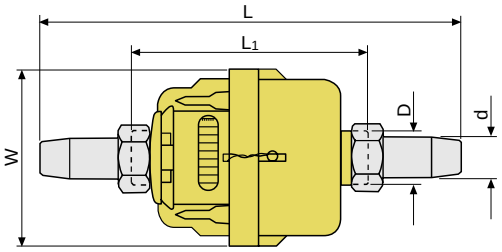
Operating Conditions

- Water temperature: up to 40°C
- Pressure rating: PN-10

Dimensions and Weights

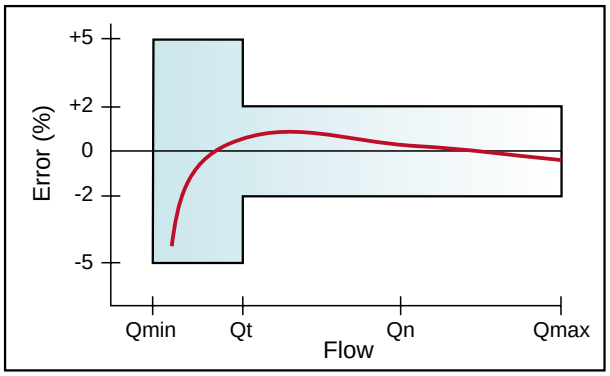
Nominal Size DN ∅	mm	15	20
	inch	1/2"	3/4"
Length (mm)	L	210	225
Length with connectors (mm)	L_1	115	130
Width (mm)	W	85	85
Connectors thread (inch)	d	1/2"	3/4"
Body thread (inch)	D	3/4"	1"
Weigth without connectors (kg)		0.9	1.6
Weigth with connectors (kg)		1.1	1.9



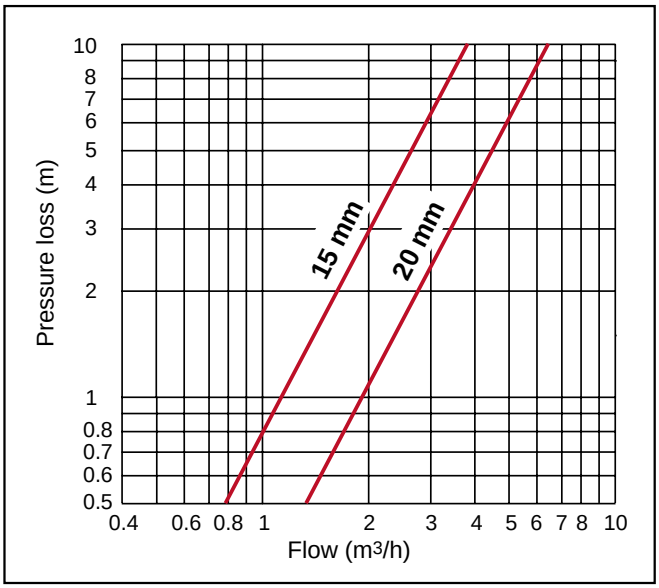
Metrological Data

Nominal Size DN ∅		mm	15	20
		inch	1/2"	3/4"
Qmax – Max. Flow		m^3/h	3	5
Qn – Nominal Flow		m^3/h	1.5	2.5
Class B	Qt – Transitional Flow	l/h	120	200
	Qmin – Min. Flow	l/h	30	50
Class C	Qt – Transitional Flow	l/h	22.5	37.5
	Qmin – Min. Flow	l/h	15	25

Accuracy Curve



Pressure Loss Curve



Ordering Guide

Example: RPP-K-15-B-1

RPP-K	15	B	1

TYPE
RPP-K

SIZE	Code
15 mm – 1/2"	15
20 mm – 3/4"	20

CLASS	Code
Class B	B
Class C	C

CONNECTORS	Code
With connectors	1
Without connectors	2

Cat # PCUDE03 – ver 1/03 English

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