

# BAYLAN

## WATER METERS

# VK-12P

## Volumetric Water Meter



### GENERAL

- MID Certified
- Volumetric principle assures very high sensitivity even at low flow
- Suitable for potable water
- Very good sensitivity in initial starting
- Special glass with high resistance to pressure and impact
- Composite body with high resistance to pressure and impacts
- Protection against external magnetic fields
- Available for optical reading
- AMR reading features are optional
- 3 years of warranty • Non return valve
- Suitable for cold water up to 50°C
- Almost no maintenance • 359° rotating dial
- Service and spare parts available for 10 years
- Brass or composite end connection options
- IP68 Protected
- Environmental Classes

Climatic : -10°C/+55°C | Mechanic: M1/O | Elektromagnetic: E2

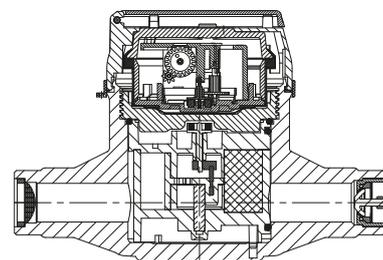
•  $Q2 \leq Q \leq Q4$  Maximum Permissible Error

Class 2 Water Meters;  $\% \pm 2$  (Water Temp.  $\leq 30^\circ\text{C}$ ),  $\% \pm 3$  (Water Temp.  $> 30^\circ\text{C}$ )

Class 1 Water Meters;  $\% \pm 1$  (Water Temp.  $\leq 30^\circ\text{C}$ ),  $\% \pm 2$  (Water Temp.  $> 30^\circ\text{C}$ )

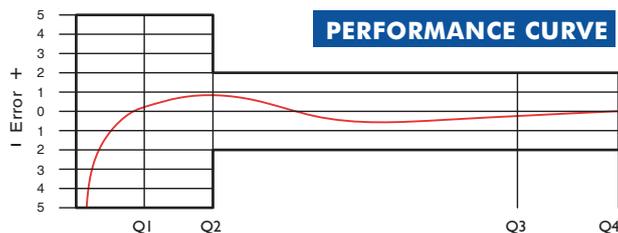
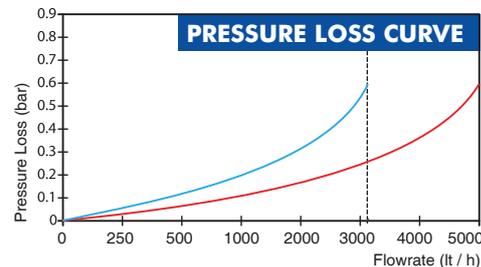
•  $Q1 \leq Q < Q2$  Maximum Permissible Error

Class 2 Water Meters;  $\% \pm 5$  | Class 1 Water Meters;  $\% \pm 3$



### PERFORMANCE DATA

Nominal diameter	DN	15/20	20
Overload Flowrate	Q4	m <sup>3</sup> /h 3,125	5
Permanent Flowrate	Q3	m <sup>3</sup> /h 2,500	4
Transitional Flowrate	Q2	m <sup>3</sup> /h 0,008	0,01
Minimum Flowrate	Q1	m <sup>3</sup> /h 0,005	0,016
Q3/Q1 (MI-001 OIML R49)	-	$\leq 500$	$\leq 400$
Maximum Registration Capacity	m <sup>3</sup>	9999 / 99999 / 99999,99 / 99999,999	
Mounting on the network	-	All Positions	
Initial Flow	Qi	l/h	1
Maximum Working Pressure	bar	16	
Maximum Working Temperature	°C	50	
Pressure Loss Class	bar	0,63	
Smallest Reading Resolution	m <sup>3</sup>	0,00005	
Class	-	Class 1 / Class 2	



### DIMENSIONS

Nominal diameter	DN	15	15	20	20	mm
Connecting diameter	D	G 3/4	G 3/4	G 1	G 1	B
Total overall meter height	H	120	120	118,9	118,9	mm
Axis height	h	25,3	25,3	25,3	25,3	mm
Width	B	95	95	95	95	mm
Length	L	110   115   130	165   170   190	110   115   130	165   190	mm
Length with connections	LB	190   195   210	245   250   270	190   195   210	245   270	mm
Unit weight		0,52/0,58	0,60/0,66	0,62/0,67	0,63/0,69	kg
Package Weight (without connect.)		6,90	7,50	7,50	8,10	kg
Package Weight (with connect.)		8,50	9,10	9,40	10,0	kg
Quantity per package		10	10	10	10	pcs
Package dimensions		27x49x16	27x48x20	27x49x16	27x48x20	cm

