

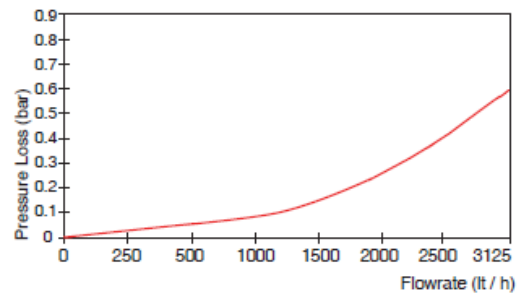
# LoRa Water Meter with Valve Control IMI - 3VVL

## GENERAL DETAILS

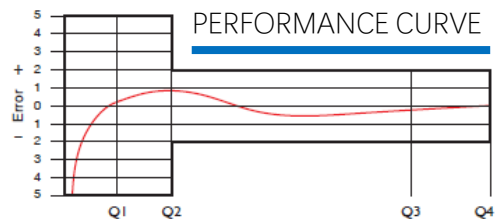
- MID certified -suitable for potable water
- Complete water consumption management
- IP68 protected electronic circuit and mechanical meter
- Check valve disabling bi-directional water flow
- Replaceable 3.6V Lithium battery
- LCD display with back light (64x20 mm)
- Suitable for cold water and temperatures up to 50°C
- All spare parts available
- Leakage control system, 3 years warranty
- Supports LoRa-WAN Class A protocol
- Selectable Frequency Band EU 863-870 MHz
- Supports Wireless MBUS protocol
- Simultaneous support of LoRaWAN and Wireless MBUS protocols (optional)
- Both Lora and FSK modulation due to integrated Lora module-chipset
- Remote valve control (open / close)
- Step valve closing
- Receive meter readings remotely
- Cicicom Smart Grid platform ready



## PRESSURE LOSS CURVE



## PERFORMANCE CURVE



## DEVICE DIMENSIONS

Nominal Diameter	DN	15	15	20 mm
Width	B	100	100	100 mm
Length with connections	LB	270	245	270 mm
Connecting Diameter	D	G 3/4	G 3/4	G1 B
Length	L	190	165	190 mm
Total overall meter height	H	140	140	140 mm
Axis height	h	27	27	26.5 mm
Unit weight		1.88	1.85	1.68 kg

## PERFORMANCE DATA

Overload flowrate	Q4	m <sup>3</sup> /h	3.125	3.125	5	5	5
Permanent flowrate	Q3	m <sup>3</sup> /h	2.5	2.5	4	4	4
Transitional flowrate	Q2	m <sup>3</sup> /h	0.040	0.025	0.064	0.040	0.032
Minimum flowrate	Q1	m <sup>3</sup> /h	0.025	0.0156	0.040	0.025	0.020
Q3/Q1 (M1-001 OIML R49)	-		100	160	100	160	200
Initial flowrate Qi		1/h			7		
Pressure loss		bar			0.6		
Maximum working pressure		bar			16		
Maximum working temperature		°C			50		
Maximum registration capacity		m <sup>3</sup>			99999		
Smallest reading resolution		m <sup>3</sup>			0.00005		
Mounting on the network		-			horizontal		

