

# AQUILA

Single-Jet Meter

**DIEHL**  
Metering



## APPLICATION

AQUILA is a main meter designed for measuring cold water. AQUILA is characterised by its accurate metering capability, particularly with high flow rates, its ruggedness and its resistance to fouling. Its profiled connections make it immune to disturbances in the piping before or after the meter. AQUILA has MID approval in the horizontal position. Being modular, AQUILA can be fitted with IZAR RADIO reading system, IZAR DOSING device or the pulse transmitter IZAR PULSE, gateway to other systems. AQUILA has a housing for a non-return valve, which does not affect the metrological characteristics of the meter.

## FEATURES

- ▶ Single jet meter
- ▶ MID approved up to R=160
- ▶ Modular
- ▶ Glass/metal register in option

# AQUILA

## Single-Jet Meter

### METROLOGICAL DATA

Nominal diameter	DN	mm	15	20
Length	L	mm	170	190
Nominal flowrate	Q <sub>3</sub>	m <sup>3</sup> /h	2.5	4
R	Q <sub>3</sub> /Q <sub>1</sub>		160	160
Starting flowrate		l/h	6	10
Min. flowrate	Q <sub>1</sub>	l/h	15	25
Transition flowrate	Q <sub>2</sub>	l/h	25	40
Max. flowrate	Q <sub>4</sub>	m <sup>3</sup> /h	3.125	5

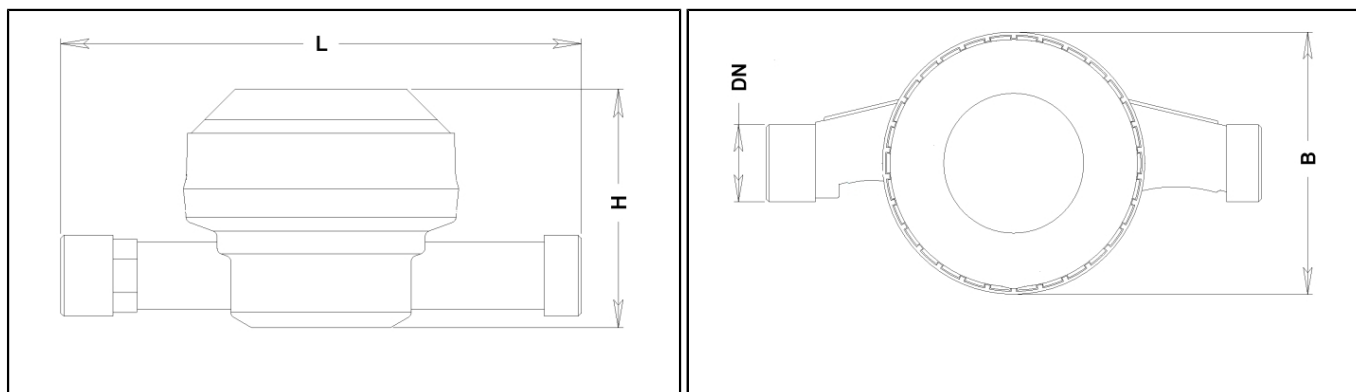
### APPROVAL

	AQUILA		
MID approval	LNE-10913		
Alimentarity	ACS		

### TEMPERATURE AND PRESSURE

	AQUILA		
Medium temperature range	°C	0...30	
Nominal pressure	bar	16	

### DIMENSIONS

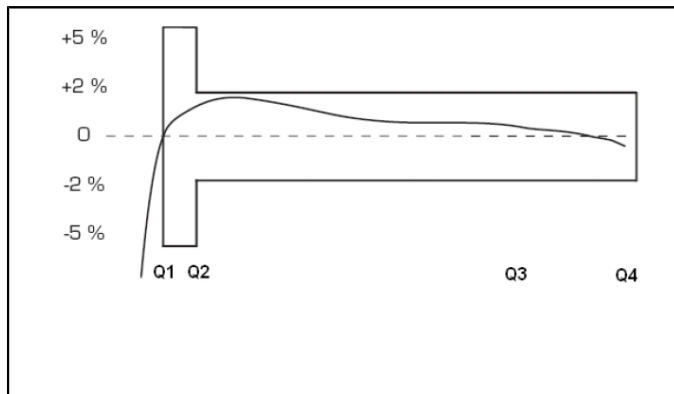


Nominal diameter	DN	mm	15	20
Length	L	mm	170	190
Width	B	mm	90	90
Total height	H	mm	78	82
Thread connections	G	inch	3/4"	1"
Weight		kg	1.2	1.3

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## PRECISION CURVE



## HEAD LOSS

Nominal diameter	DN	mm	15	20
Length	L	mm	170	190
kvs ( $\Delta P=Q^2/Kvs^2$ )			3.12	5

## OPTIONS

- Pulse transmitter - 1 litre/pulse
- Glass/metal register
- Non-return valve

This technology doesn't require straight length.