

# AQUILA V3 DIN

SINGLE-JET METER

**DIEHL**  
Metering



## APPLICATION

AQUILA V3 DIN is a bulk meter designed for network metering and invoicing substantial quantities of cold water.

It is characterized by its very high measuring dynamics, insensitivity to disturbance and easy maintenance.

AQUILA V3 DIN is modular and can be fitted with IZAR radio or the pulse emitter IZAR PULSE, gateway to other systems. It has a CE certificate (MID) and complies with the EN 14154, OIML R49 and ISO 4054 standards in the horizontal position. Its metrological performances outstand the Regulations requirements for high and low flow rates alike.

## FEATURES

- ▶ Single jet meter
- ▶ MID approval up to R=315
- ▶ Starting flowrate DN 50: 15 l/h
- ▶ High dynamic range
- ▶ Glass/metal register as standard
- ▶ Cast iron body

# AQUILA V3 DIN

## SINGLE-JET METER

### TECHNICAL DATA

Nominal diameter	DN	mm	50	80	100
Permanent flow rate	Q <sub>3</sub>	m <sup>3</sup> /h	25	63	100
Dynamic range (Q <sub>3</sub> /Q <sub>1</sub> )*	R		315	315	315
Starting flow rate		l/h	15	40	45
Minimum flowrate	Q <sub>1</sub>	l/h	80	200	317
Transitional flowrate	Q <sub>2</sub>	l/h	127	320	508
Overload flow rate	Q <sub>4</sub>	m <sup>3</sup> /h	31.25	78.75	125
Overload		m <sup>3</sup> /h	40	100	150

\* Other values on request

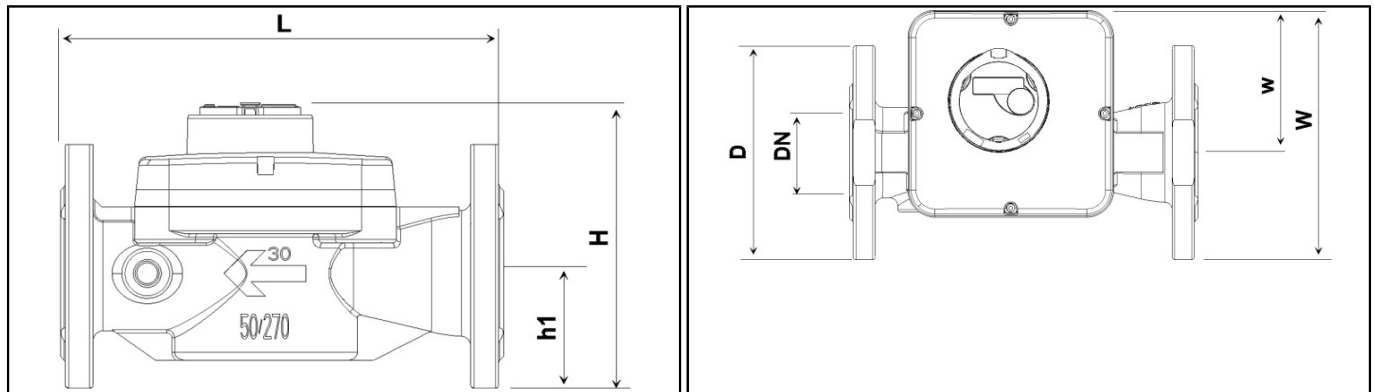
### APPROVAL

AQUILA V3 DIN	
MID	LNE - 26943
Potable water	ACS

### TEMPERATURE AND PRESSURE

AQUILA V3 DIN	
Medium temperature range	°C 0 ... +50
Nominal pressure	bar 16
Breaking pressure	bar 62
Ambient limit temperature / storage	°C -20 ... +70

### DIMENSIONS



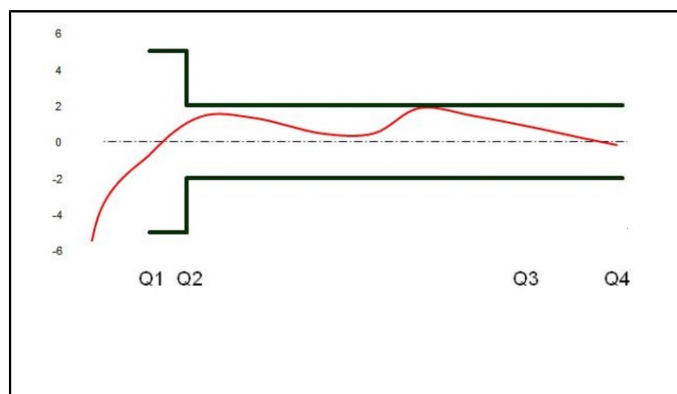
Nominal diameter	DN	mm	50	80	100
Length	L	mm	270	300	360
Width	w	mm	110	163	155
Width	W	mm	193	263	265
Height	H	mm	177	218	230
Height	h1	mm	70	95	105
Weight		kg	12.5	21	28
Flange diameter	D	mm	165	200	220

Standard flange: flat raised face flange

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## PRECISION CURVE



## PRESSURE LOSS (DELTA P = Q<sup>2</sup>/KVS<sup>2</sup>)

Nominal diameter	DN	mm	50	80	100
kvs			36	95	130

This technology doesn't require straight length