

AQUILA DN15 (PHASED OUT)

Single-Jet Meter



APPLICATION

AQUILA is a single jet meter specifically designed for measuring cold water in main metering market.

AQUILA is characterised by its accurate metering capability, particularly with low flow rates, its ruggedness and its resistance to clogging. Its profiled inlet nozzle makes it immune to disturbances in the piping before or after the meter.

Developed within the framework of the MID, AQUILA complies with the European regulations and holds a sanitary conformity certificate.

Modular, AQUILA may be fitted at any time with an IZAR clip-on module, converting it into a communicating meter ready for mobile or fixed (radio/wired) network reading.

FEATURES

- DN 15
- Q3=2.5 m³/h
- MID approval up to R=200H & R=40V
- Starting flow rate: < 6 l/h
- Cold water
- Composite body
- Integrated plastic inlet filter
- Tamper-proof ring

METROLOGICAL DATA

Nominal diameter	DN	mm	15	15
Length	L	mm	110	115
Nominal flowrate	Q ₃	m ³ /h	2.5	2.5
R standard*	Q ₃ /Q ₁		200H-40V	200H-40V
Starting flowrate horizontal		l/h	< 6	< 6
Minimum flowrate horizontal	Q ₁	l/h	12.5	12.5
Transition flowrate horizontal	Q ₂	l/h	20	20
Minimum flowrate vertical	Q ₁	l/h	62.5	62.5
Transition flowrate vertical	Q ₂	l/h	100	100
Maximum flowrate	Q ₄	m ³ /h	3.125	3.125
Head loss at Q ₃		bar	0.61	0.61
Head loss at Q ₄		bar	0.95	0.95
Kvs (deltaP=Q ² /Kvs ²)			3.201	3.201

* other values on request - H=horizontal installation position / V=vertical installation position.

APPROVAL

AQUILA DN15

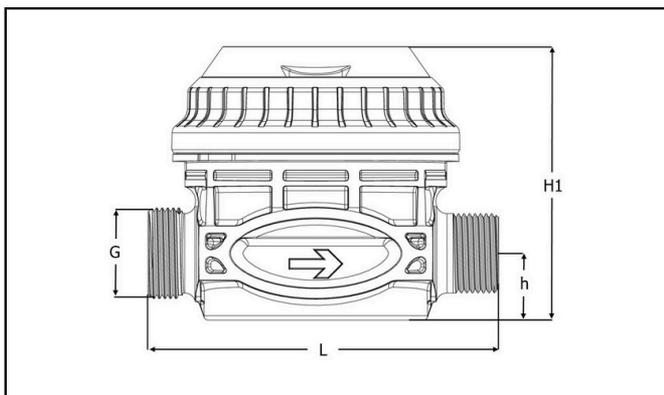
MID approval	LNE-29388 C3 type
Standards	EN 14154 ISO 4064 OIML R49
Sanitary conformity	ACS

TEMPERATURE AND PRESSURE

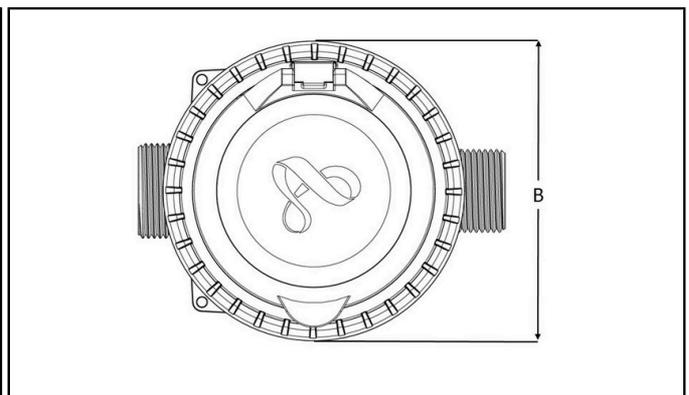
AQUILA DN15

Water temperature	°C	+0.1 ... +50
Ambient operating temperature	°C	+1 ... +55
Storage temperature	°C	-10 ... +55
Nominal pressure	PN	bar 16

DIMENSIONS



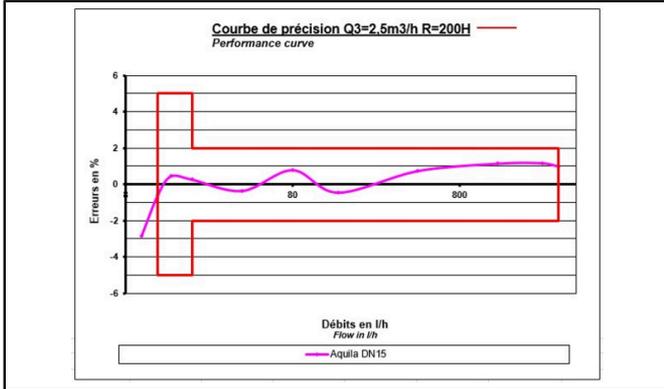
AQUILA DN15 - side view



AQUILA DN15 - top view

Nominal diameter	DN	mm	15	15
Length	L	mm	110	115
Width	B	mm	94	94
Total height	H1	mm	92	92
Height	h	mm	22	22
Thread connections	G	inch	3/4"	3/4" - 7/8"
Body			composite	composite
Weight		kg	0.430	0.430

PRECISION CURVE



This technology doesn't require any straight length.

OPTION

- Non-return valve

Economic Actor Information

Applicable regulation and legal obligations for products may change.

DIEHL METERING monitors applicable regulation to ensure their products comply at the date of placing on the market.

Each economic actor making products available on the market thereafter must independently keep informed about the current applicable regulation.

For questions, please contact: metering-germany-info@diehl.com

Diehl Metering GesmbH
Hainburger Straße 33
A-1030 Vienna
Austria
Phone: +43 (0)1 716 70-0
Fax: +43 (0)1 716 70-12
metering-austria-info@diehl.com
www.diehl.com/metering

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