

AQUARIUS

Single-Jet Meter

DIEHL
Metering



APPLICATION

AQUARIUS is a domestic water meter designed for measuring consumption of cold or hot water in housing blocks.

AQUARIUS is MID approved and meets the metrology standard OIML R49, EN14154 and ISO 4064.

Magnetic transmission is used to insulate the register from the hydraulic part, and the register rotates to ensure easier index reading.

AQUARIUS belongs to the Diehl Metering modular range and may be fitted, even after it is installed, with an IZAR PULSE pulse transmitter, an IZAR RADIO or an IZAR DOSING device.

FEATURES

- ▶ Single jet meter
- ▶ Modular meter
- ▶ R=80 horizontal (approved MID up to R=100); R=40 vertical
- ▶ Available in brass or composite version (for cold water only)
- ▶ Glass/metal register in option

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METROLOGICAL DATA

Nominal diameter	DN	mm	15	15	15	20
Length	L	mm	80	110	115	130
Housing	Brass/Composite		Brass	Brass/Composite	Brass/Composite	Brass
Nominal flowrate	Q ₃	m ³ /h	2.5	2.5	2.5	4
R*	(Q ₃ /Q ₁)		80	80	80	80
Starting flowrate		l/h	12	12	12	17
Min. flowrate	Q ₁	l/h	31	31	31	50
Transition flowrate	Q ₂	l/h	50	50	50	80
Max. flowrate	Q ₄	m ³ /h	3.125	3.125	3.125	5

* other values on request

APPROVAL

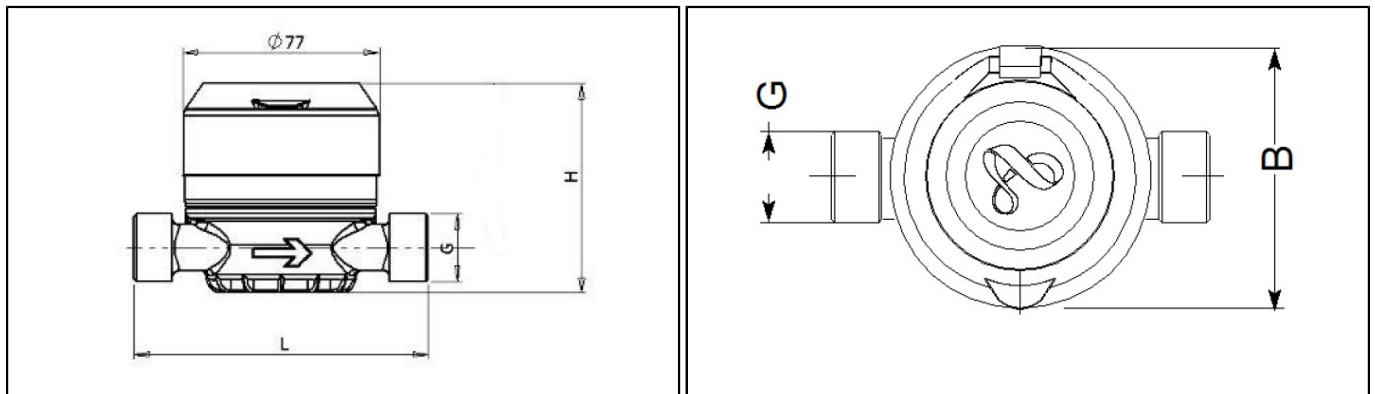
AQUARIUS	
MID approval	LNE-6904
Alimentarity	ACS

TEMPERATURE AND PRESSURE

AQUARIUS	
Medium temperature range*	°C +0.1 ... +50 / +0.1 ... +90
Nominal pressure	bar 16

* composite version : only +0.1 ... +50°C

DIMENSIONS



Nominal diameter	DN	mm	15	15	15	20
Length	L	mm	80	110	115	130
Housing	Brass/Composite		Brass	Brass/Composite	Brass/Composite	Brass
Width	B	mm	77	77	77	77
Total height	H	mm	78	72	72	75
Thread connections	G	inch	3/4"	3/4"	3/4" (*)	1"
Weight		Kg	0.46	0.53 / 0.21	0.53 / 0.21	0.56

* Other values on request

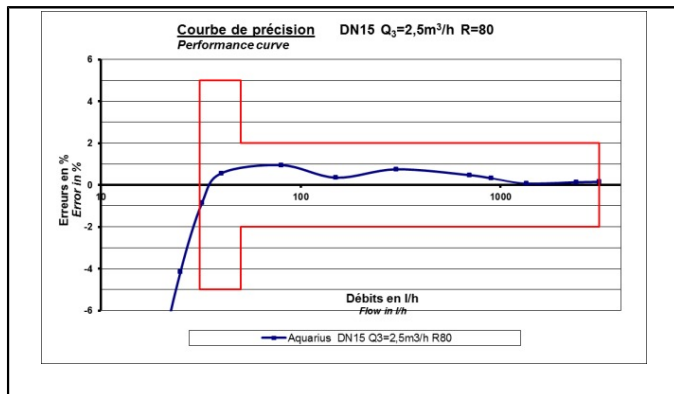
HEAD LOSS

Nominal diameter	DN	mm	15	15	15	20
Length	L	mm	80	110	115	130
Housing	Brass/Composite		Brass	Brass/Composite	Brass/Composite	Brass
kvs (deltaP=Q ² /Kvs ²)			3.12	3.12	3.12	5

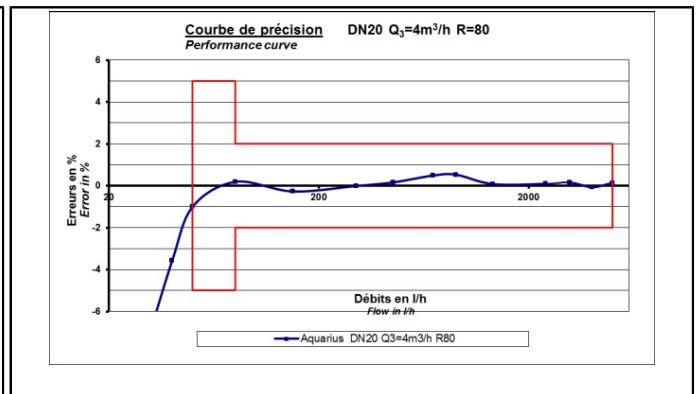
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PRECISION CURVE



DN 15



DN 20

The technology doesn't require straight length.