

# AQUARIUS PP

Single-Jet Meter

**DIEHL**  
Metering



## APPLICATION

AQUARIUS is a main meter designed for measuring cold water available in a range of standardised diameters and lengths.

It has a MID approval (Measuring Instruments Directive) up to R= 125 in horizontal position.

Magnetic transmission ensures complete insulation of the register from the hydraulic system. The rotating register is fitted with an anti-mist system for optimum reading in all environments.

Being modular, AQUARIUS can be fitted with IZAR radio reading system, IZAR DOSING device or an IZAR PULSE pulse transmitter, gateway to other systems.

## FEATURES

- ▶ Single jet meter
- ▶ MID approved with R up to 125
- ▶ Compact and modular
- ▶ Glass/metal register in standard for DN 25 and 32 (in option for DN 15 and 20)
- ▶ Register with modularity "Ha + Ti"

# AQUARIUS PP

Single-Jet Meter

## METROLOGICAL DATA

Nominal diameter	DN	mm	15	20	25	32
Length	L	mm	170	190	260	260
Nominal flowrate	Q3	m <sup>3</sup> /h	2.5	4	6.3	10
R*			125	80	80	80
Start flow rate		l/h	15	30	30	60
Minimum flow rate*	Q1	l/h	20	50	78.75	125
Transition flow rate *	Q2	l/h	32	80	126	200
Maximum flow rate	Q4	m <sup>3</sup> /h	3.125	5	7.875	12.5
Overflow (1 hour)		m <sup>3</sup> /h	6.25	10	15.750	25

\*other values on request

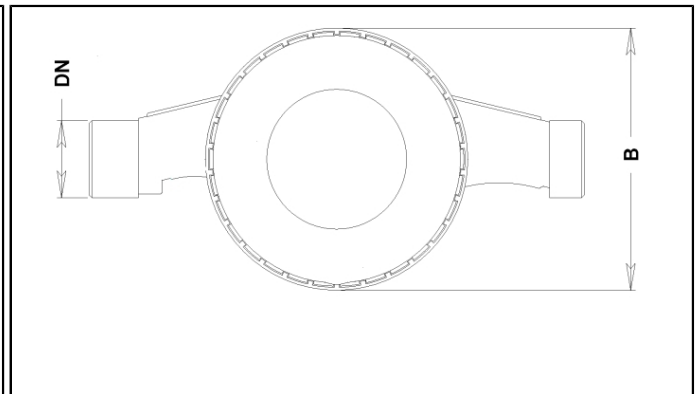
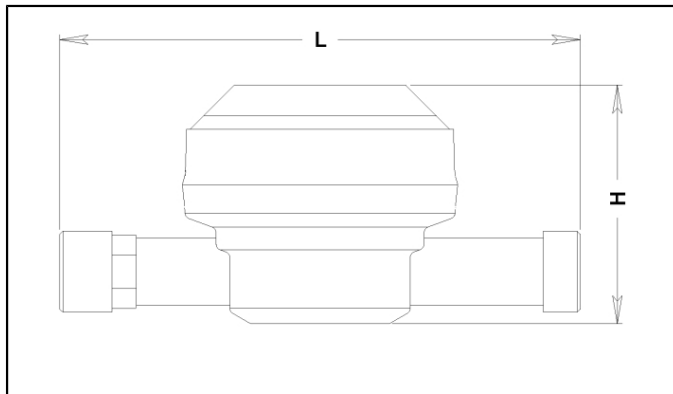
## APPROVAL

AQUARIUS PP	
MID approval	LNE-10913 (DN 20) and LNE-6904 (DN 15, DN 25 and DN 32)
Alimentarity	ACS

## TEMPERATURE AND PRESSURE

AQUARIUS PP	
Medium temperature range	°C 0...+50
Nominal pressure	bar 16

## DIMENSIONS

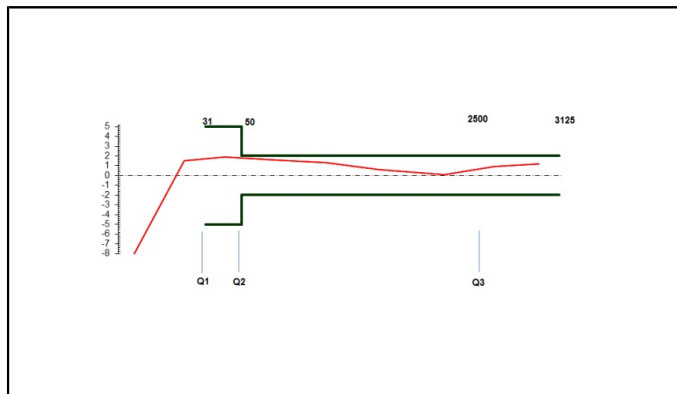


Nominal diameter	DN	mm	15	20	25	32
Length	L	mm	170	190	260	260
Width	B	mm	77	90	77	77
Height	H	mm	75	80	85	96
Thread connections	G	inch	3/4"	1"	1"1/4	1"1/2
Weight		kg	0.65	0.81	1.28	1.54

# AQUARIUS PP

Single-Jet Meter

## PRECISION CURVE



## HEAD LOSS

Nominal diameter	DN	mm	15	20	25	32
Length	L	mm	170	190	260	260
kvs ( $\Delta P = Q^2 / Kvs^2$ )			3.6	6	10.52	14.83

This technology doesn't require straight length.

## OPTION

IZAR PULSE : 1 pulse/l