

# AURIGA DN15/20

SINGLE-JET METER

**DIEHL**  
Metering



## APPLICATION

AURIGA DN15/20 is a single-jet water meter designed for measuring cold water in main metering market. Robust, it is particularly suitable for demanding installation conditions and sediment laden waters.

Developed within the framework of the MID, AURIGA complies with the European regulations and holds sanitary conformity certificates.

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

## FEATURES

- ▶ DN15/20
- ▶  $Q_3=2.5\text{m}^3/\text{h}$  (DN15) /  $Q_3=4\text{m}^3/\text{h}$  (DN20)
- ▶ MID approval up to  $R=160\text{H}$  &  $R=63\text{V}$
- ▶ Starting flow rate: 3 l/h (DN15) / 8 l/h (DN20)
- ▶ Brass body
- ▶ High resistance to demanding water conditions (sand, iron)
- ▶ Compact and modular

# AURIGA DN15/20

## SINGLE-JET METER

### METROLOGICAL DATA

Nominal diameter	DN	mm	15	15	20	20
Length	L	mm	165/170	165/170	190	190
R standard*	Q <sub>3</sub> /Q <sub>1</sub>		160H-63V	125H-63V	160H-63V	125H-63V
Nominal flowrate	Q <sub>3</sub>	m <sup>3</sup> /h	2.5	2.5	4	4
Starting flowrate horizontal		l/h	3	6	8	12
Minimum flowrate horizontal	Q <sub>1</sub>	l/h	15.625	20	25	32
Transition flowrate horizontal	Q <sub>2</sub>	l/h	25	32	40	51.2
Minimum flowrate vertical	Q <sub>1</sub>	l/h	39.7	39.7	63.5	63.5
Transition flowrate vertical	Q <sub>2</sub>	l/h	63.5	63.5	101.6	101.6
Maximum flowrate	Q <sub>4</sub>	m <sup>3</sup> /h	3.125	3.125	5	5
Head loss at Q <sub>3</sub>		bar	0.60	0.60	0.58	0.58
Head loss at Q <sub>4</sub>		bar	0.94	0.94	0.91	0.91
kvs (deltaP=Q <sup>2</sup> /Kvs <sup>2</sup> )			3.22	3.22	5.25	5.25

\*Other values on request - H=horizontal installation position / V=vertical installation position

### APPROVAL

AURIGA DN15/20	
MID approval	LNE-30014   Type B2
Standards	EN 14154   ISO 4064   OIML R49
Sanitary conformity	ACS   BELGAQUA   KIWA

### REACH

Information pursuant to Article 33 (1) of Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006:

This product series contains articles with the following substances in a concentration of more than 0.1% weight by weight (w/w):

- Lead

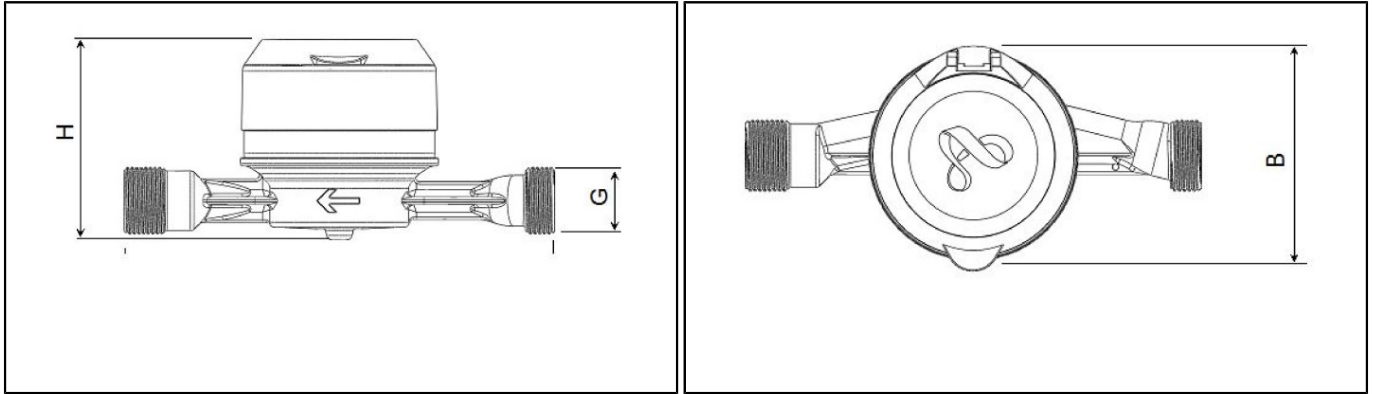
### TEMPERATURE AND PRESSURE

AURIGA DN15/20	
Water temperature	°C +0.1 ... +50
Ambient operating temperature	°C +1 ... +55
Storage temperature	°C -10 ... +55
Nominal pressure	bar 16

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## SINGLE-JET METER

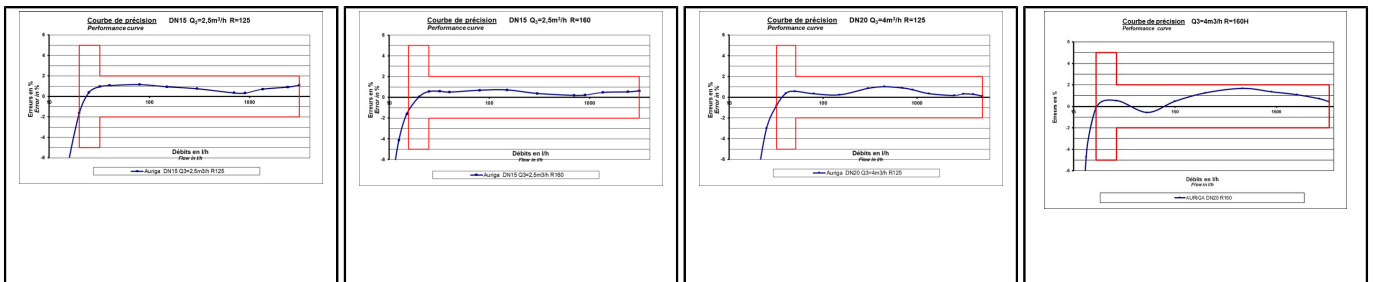
### DIMENSIONS



Nominal diameter	DN	mm	15	15	20	20
Length	L	mm	165/170	165/170	190	190
R standard*	Q <sub>3</sub> /Q <sub>1</sub>		160H-63V	125H-63V	160H-63V	125H-63V
Width	B	mm	73	73	90	90
Height	H	mm	75	75	80	80
Thread connections	G	inch	3/4"	3/4"	1"	1"
Weight		kg	0.53	0.53	0.73	0.73

\*Other values on request

### PRECISION CURVE



DN15 - R=125H

DN15 - R=160H

DN20 - R=125H

DN20 - R=160H

This technology does not require straight length.

### OPTIONS

- Pair of connectors
- Non-return valve