

AURIGA DN25/32/40

SINGLE-JET METER

DIEHL
Metering



APPLICATION

AURIGA DN25/32/40 is a single jet water meter designed for main 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.

Being 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

- ▶ DN25/32/40
- ▶ $Q_3=6.3\text{m}^3/\text{h}$ (DN25) / $Q_3=10\text{m}^3/\text{h}$ (DN32) / $Q_3=16\text{m}^3/\text{h}$ (DN40)
- ▶ MID approval up to R=200
- ▶ Starting flow rate: 9 l/h (DN25) / 15 l/h (DN32) / 25 l/h (DN40)
- ▶ Brass body
- ▶ High resistance to demanding water conditions (sand)
- ▶ Compact and modular

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METROLOGICAL DATA

Nominal diameter	DN	mm	25	32	40
Length	L	mm	260	260	300
Nominal flow rate	Q ₃	m ³ /h	6.3	10	16
R standard*	Q ₃ /Q ₁		160	160	160
Starting flow rate		l/h	9	15	25
Minimum flow rate	Q ₁	l/h	39.375	62.5	100
Transition flow rate	Q ₂	l/h	63	100	160
Maximum flow rate	Q ₄	m ³ /h	7.875	12.5	20
Head loss at Q ₃		bar	0.42	0.60	0.63
Head loss at Q ₄		bar	0.66	0.94	0.99
Kvs (deltaP=Q ² /Kvs ²)			9.66	12.88	20.07

* other values on request

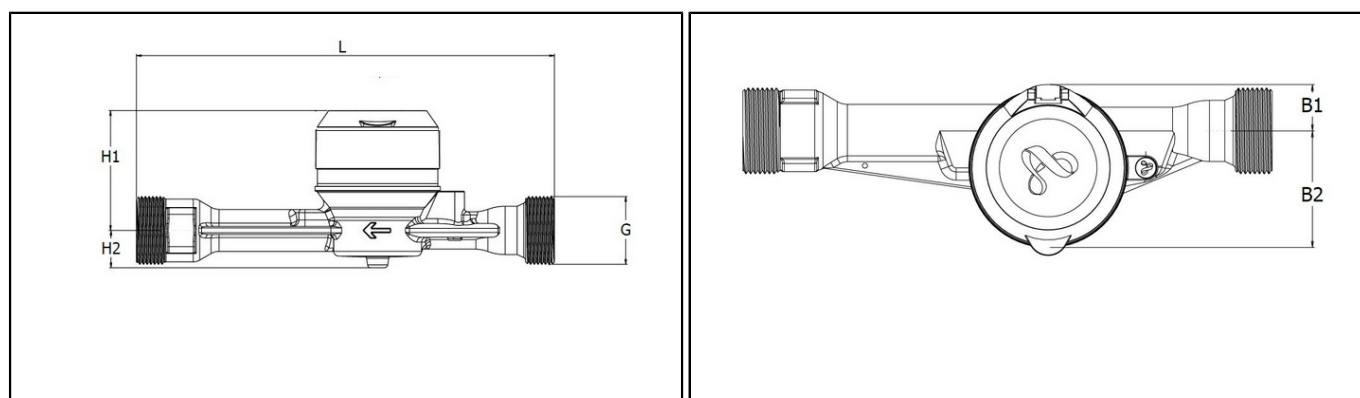
APPROVAL

	AURIGA DN25/32/40
MID approval	LNE - 30014
Standards	OIML R49 ISO 4064 EN 14154
Sanitary conformity	ACS KTW Belgaqua

TEMPERATURE AND PRESSURE

AURIGA DN25/32/40			
Water temperature	°C	0.1 ... +50	
Ambient operating temperature	°C	+1 ... +55	
Storage temperature	°C	-10 ... +55	
Nominal pressure	PN	bar	16

DIMENSIONS



Side view

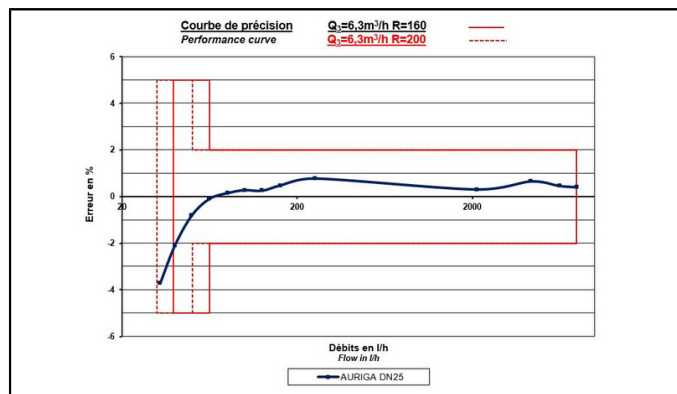
Top view

Nominal diameter	DN	mm	25	32	40
Length	L	mm	260	260	300
Width	B1	mm	22.7	23.9	29.8
Width	B2	mm	57.1	57.1	57.1
Height	H1	mm	74.2	80.7	80.7
Height	H2	mm	23.1	29.7	29.8
Thread connections	G	inch	1"1/4	1"1/2	2"
Housing			brass	brass	brass
Weight		kg	1.4	1.65	2.2

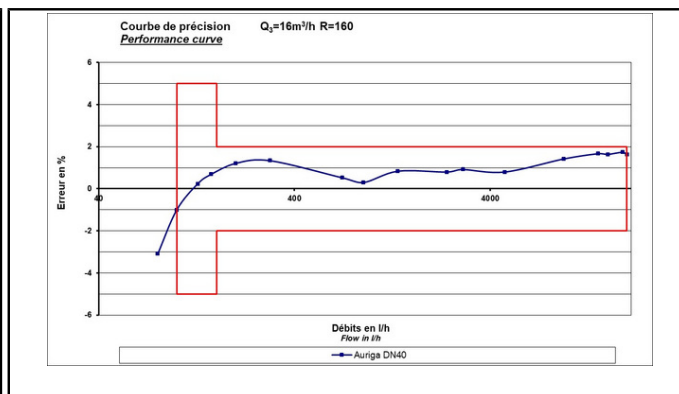
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PERFORMANCE CURVE



DN25



DN40

OPTION

- Non-return valve