DIEHL
Metering

AURIGA DN25/32/40

SINGLE-JET METER



APPLICATION

AURIGA DN25/32/40 is a single jet water meter designed for 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.
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
- Q3=6.3m³/h (DN25) / Q3=10m³/h (DN32) / Q3=16m³/h (DN40)
- MID approval up to R=200H & R=80V
- 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

METROLOGICAL DATA

Nominal diameter	DN	mm	25	32	40
Length	L	mm	260	260	300
Nominal flowrate	Q_3	m^3/h	6.3	10	16
R standard*	Q_3/Q_1		160H-80V	160H-80V	160H-80V
Starting flowrate horizontal		l/h	9	15	25
Minimum flowrate horizontal	Q_1	l/h	39.375	62.5	100
Transition flowrate horizontal	Q_2	l/h	63	100	160
Minimum flowrate vertical	Q_1	l/h	78.8	125	200
Transition flowrate vertical	Q_2	l/h	126	200	320
Maximum flowrate	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. H=horizontal installation position / V=vertical installation position

APPROVAL

	AURIGA DN25/32/40
MID approval	LNE-30014 I B2 type
Standards	EN 14154 I ISO 4064 I OIML R49
Sanitary conformity	ACS I BELGAQUA I KIWA I AoC DEU I PZH

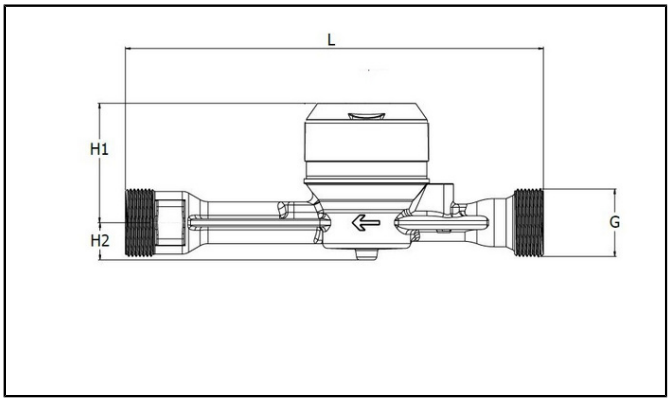
REACH

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 (CAS no.: 7439-92-1)

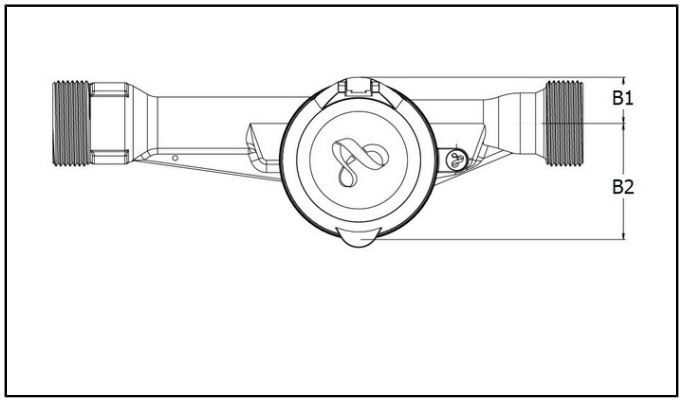
TEMPERATURE AND PRESSURE

			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



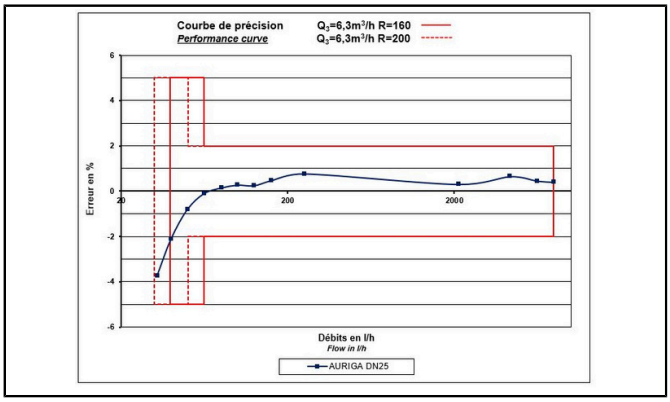
Side view



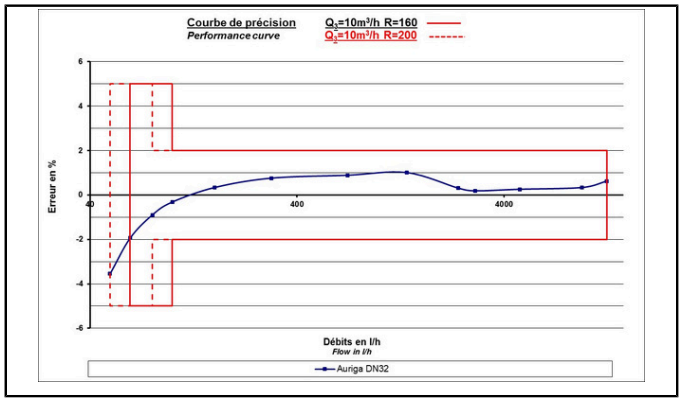
Top view

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"
Body			brass	brass	brass
Weight		kg	1.4	1.65	2.2

PERFORMANCE CURVE DN25/32

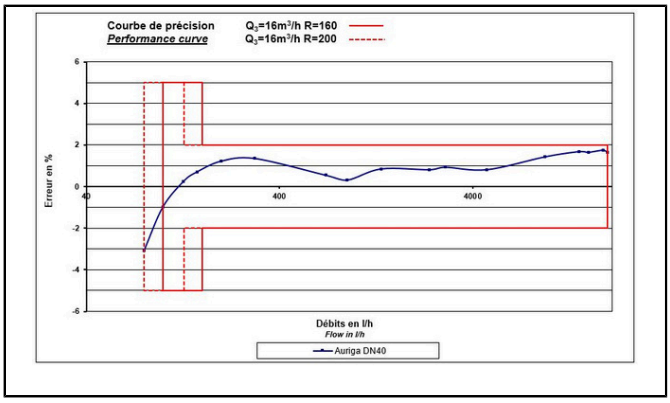


DN25



DN32

PERFORMANCE CURVE DN40



DN40

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
Landbrogatan 25
371 34 Karlskrona
Sweden
Phone: +46 8 800 400
metering-sweden-info@diehl.com
www.diehl.com/metering

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