DIEHL
Metering

ALTAIR V4 HOT WATER

VOLUMETRIC METER



APPLICATION

ALTAIR V4 HOT WATER is a volumetric meter designed to measure the consumption of domestic hot water.
Compact and robust, ALTAIR V4 HOT WATER is easy to install and perfectly suited for varying water qualities. It is also insensitive to magnetic fraud.
Developed within the framework of the MID, it complies with the European regulations and holds sanitary conformity certificates.
Modular, ALTAIR V4 HOT WATER 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
- Q3=1.6 m³/h / Q3=2.5 m³/h
- MID approval up to R=400
- Starting flow rate: 1 l/h
- Water temperature from 30°C to 90°C
- Brass body
- Installation in any position

METROLOGICAL DATA

Nominal diameter	DN	mm	15	15
Length	L	mm	110	110
Nominal flow rate	Q_3	m^3/h	1.6	2.5
R standard*	Q_3/Q_1		100	160
Starting flow rate		l/h	1	1
Minimum flow rate	Q_1	l/h	16	15.62
Transition flow rate	Q_2	l/h	25.6	25
Maximum flow rate	Q_4	m^3/h	2	3.125
Head loss at Q_3		bar	0.22	0.54
Head loss at Q_4		bar	0.34	0.85
kvs (deltaP=Q^2/Kvs^2)			3.38	3.38

* Other values on request

APPROVAL

	ALTAIR V4 HOT WATER
MID approval	LNE-6250 I Type A2
Standards	EN 14154 I ISO 4064 I OIML R49
Sanitary conformity	ACS I WRAS

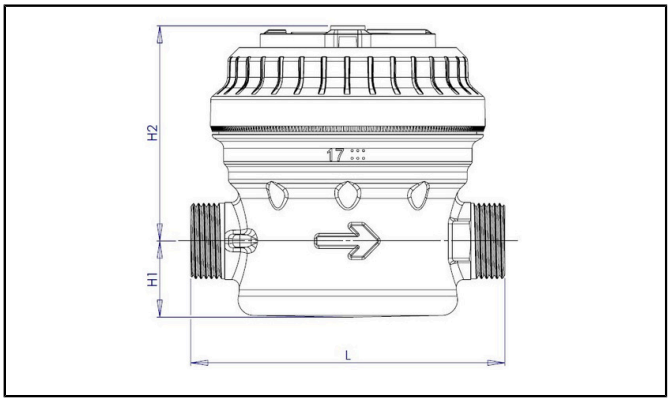
REACH

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 components with the following substances in a concentration of more than 0.1% weight by weight (w/w):
- Lead (CAS no.: 7439-92-1)

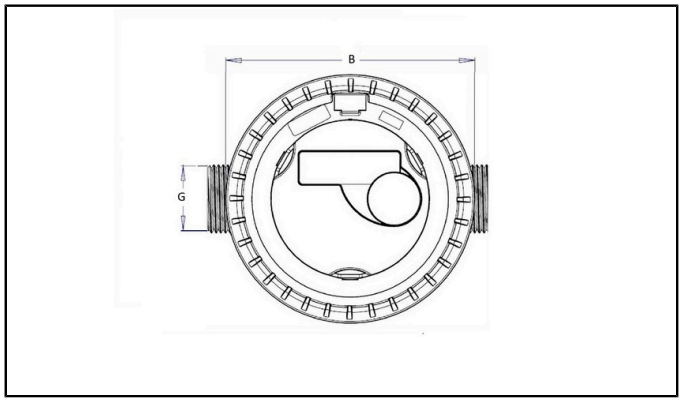
TEMPERATURES AND PRESSURE

			ALTAIR V4 HOT WATER
Water temperature		°C	+30 ... +90
Ambient operating temperature		°C	+1 ... +55
Storage temperature		°C	-10 ... +55
Nominal pressure	PN	bar	16

DIMENSIONS



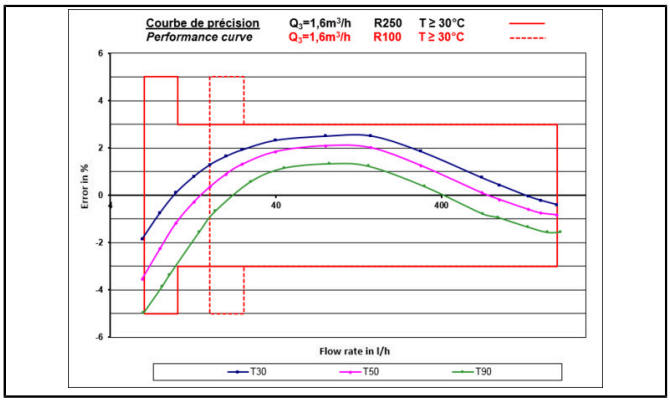
Front view

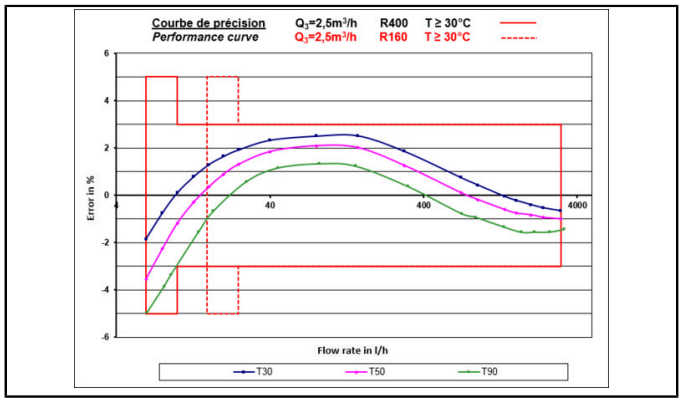


Top view

Nominal diameter	DN	mm	15	15
Length	L	mm	110	110
Nominal flow rate	Q_3	m^3/h	1.6	2.5
Width	B	mm	96.2	96.2
Height	H2	mm	75.4	75.4
Height	H1	mm	26.7	26.7
Thread connections	G	inch	3/4"	3/4"
Body			brass	brass
Weight		kg	0.82	0.82

PRECISION CURVE





OPTIONS

- Pair of connectors
- Stainless steel pocket filter

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

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