

# ALTAIR V3

VOLUMETRIC METER

**DIEHL**  
Metering



## APPLICATION

ALTAIR water meter is characterized by its versatility. Its large measuring chamber means that it can be used for submetering or as a main meter. Additionally, it is suitable for different types of water.

ALTAIR is a modular meter and therefore can be fitted at any time with IZAR radio reading system, IZAR DOSING or the pulse transmitter IZAR PULSE, gateway to other systems.

## FEATURES

- ▶ DN 15 to DN 40
- ▶ Starting flow DN 15: 2 l/h
- ▶ Low head loss
- ▶ Installation in all positions
- ▶ Register with modularity "Ha + Ti"
- ▶ Glass/Metal register in option (DN 15-20)
- ▶ MID up to R=800
- ▶ High dynamic range

# ALTAIR V3

## VOLUMETRIC METER

### METROLOGICAL DATA

Nominal diameter	ND	mm	15	15	20	25	32	40
Length*	L	mm	110	170	190	260	260	300
Nominal flowrate	Q <sub>3</sub>	m <sup>3</sup> /h	2.5	2.5	4	6.3	10	16
R*	Q <sub>3</sub> /Q <sub>1</sub>		160	160	160	160	160	160
Starting flowrate		l/h	2	2	2	5	5	5
Min. constructor's flowrate		l/h	5	5	5	40	40	40
Min. flowrate	Q <sub>1</sub>	l/h	15.6	15.6	25	39.4	62.5	100
Transition flowrate	Q <sub>2</sub>	l/h	25.0	25.0	40	64	100	160
Maximum flowrate	Q <sub>4</sub>	m <sup>3</sup> /h	3.12	3.12	5	7.87	12.5	20
Max. constructor's flowrate		m <sup>3</sup> /h	7	7	7	25	25	25

\* Other values on request

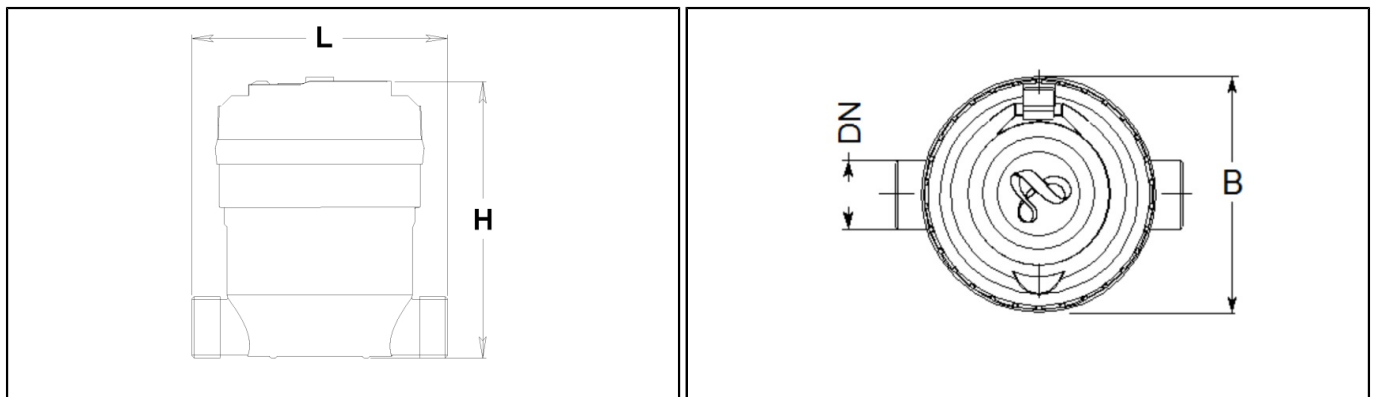
### APPROVAL

ALTAIR V3	
MID approval	LNE-5582
Alimentarity	ACS-WRAS

### TEMPERATURE AND PRESSURE

ALTAIR V3	
Medium temperature range	°C 0 ... +30
Nominal pressure	NP bar 16

### DIMENSIONS



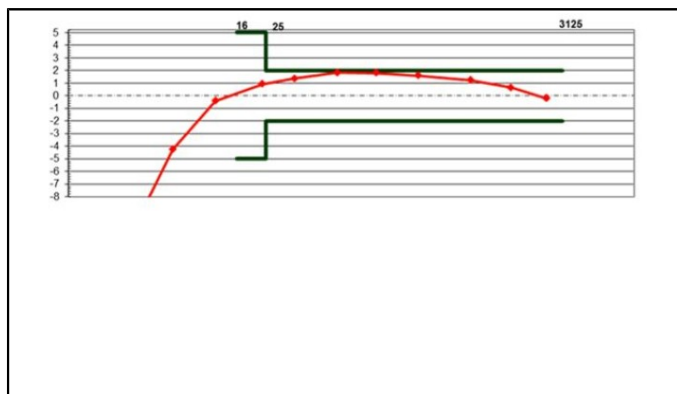
Nominal diameter	ND	mm	15	15	20	25	32	40
Length*	L	mm	110	170	190	260	260	300
Nominal flowrate	Q <sub>3</sub>	m <sup>3</sup> /h	2.5	2.5	4	6.3	10	16
Width	B	mm	90	90	90	170	170	170
Height	H	mm	122	127	127	178	180	182
Thread connections standard		inch	3/4"	3/4"	1"	1 1/4"	1 1/2"	2"
Thread connections (in option)		inch	-	-	-	-	1 1/4"	-
Weight		kg	1.05	1.2	1.34	4.8	5.25	5.45

\* Other values on request

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## PRECISION CURVE



## HEAD LOSS ( $\Delta P = Q^2/KVS^2$ )

Nominal diameter	ND	mm	15	15	20	25	32	40
Length*	L	mm	110	170	190	260	260	300
Nominal flowrate	$Q_3$	$m^3/h$	2.5	2.5	4	6.3	10	16
Kvs			4.24	4.24	5.04	12.90	16.97	20.17

\*Other values on request

## OPTIONS

Pulse transmitter IZAR PULSE : 1 pulse/liter

Non-return valve - Pair of connectors - Glass copper register