



Flanged Hydrometer Hydroval 2 Mod. IDU2



The IDU2 model hydrometer was designed with the aim of minimizing pressure loss through the use of a valve with innovative features (with second generation elliptical membrane). This model is protected by a European Patent. The hydrometer is equipped with an ultrasonic flow meter, equipped with an impulse output and capable of measuring instantaneous flows and total volumes. The ultrasonic system guarantees high precision even at low flow rates, very low pressure loss, the reduced need for maintenance and a long useful life due to the absence of mechanical parts moving within the flow. The device is powered by a lithium battery with a duration of about 10 years. The components (membrane, ultrasonic meter, motorized ball valve on the hydraulic circuit) that characterize this product guarantee a longer operating life than a classic hydrometer and allow to optimize the water distribution process.

Technical features

Body and Cover: GGG40 (EN-GJS-400)

Diaphragm: Nylon Reinforced NR60 Sh

Watermeter model: UWM Ultrasonic

- R (Q_3/Q_1) R80
- Resolution 0.01 m³
- Output configurable 0.001 - 1 m³
- 8 Digit LCD Electronic Display for flow rate and totalizer

Complain with ISO 16399:2014

Variants

Mod. IDU2-CM4V: manual on-off

Mod. IDU2-EL: electric on-off (24V AC NA solenoid)

Mod. IDU2-ELBI: electric on-off (latch solenoid 9-12V DC)

Mod. IDU2-RP3B/RP3PP: pressure reducing

Mod. IDU2-QP3B: flow rate control



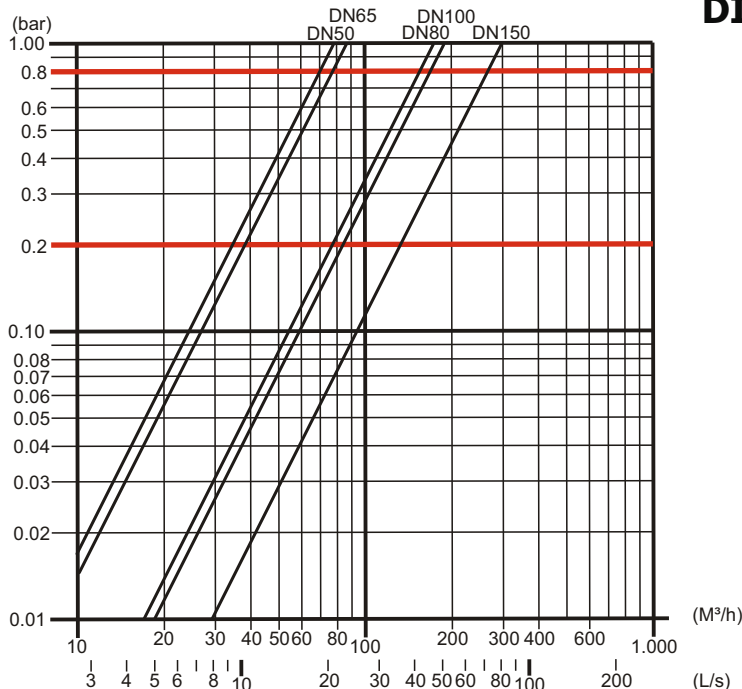
Options

- Manometer
- Interflange Flow Rate Limiator

Standard Connections

- ISO PN16
- ANSI 150 or other on demand
- Thread BSP or NPT on demand

PRESSURE LOSS



DIMENSIONS & WEIGHTS

Ø	L	H	B	Weight
(mm)	(mm)	(mm)	(mm)	(kg)
50	340	170	165	12
65	356	265	140	13
80	440	175	200	23
100	440	180	220	25
150	500	205	290	34

