

WATER METERS



TRITÓN WATER METER



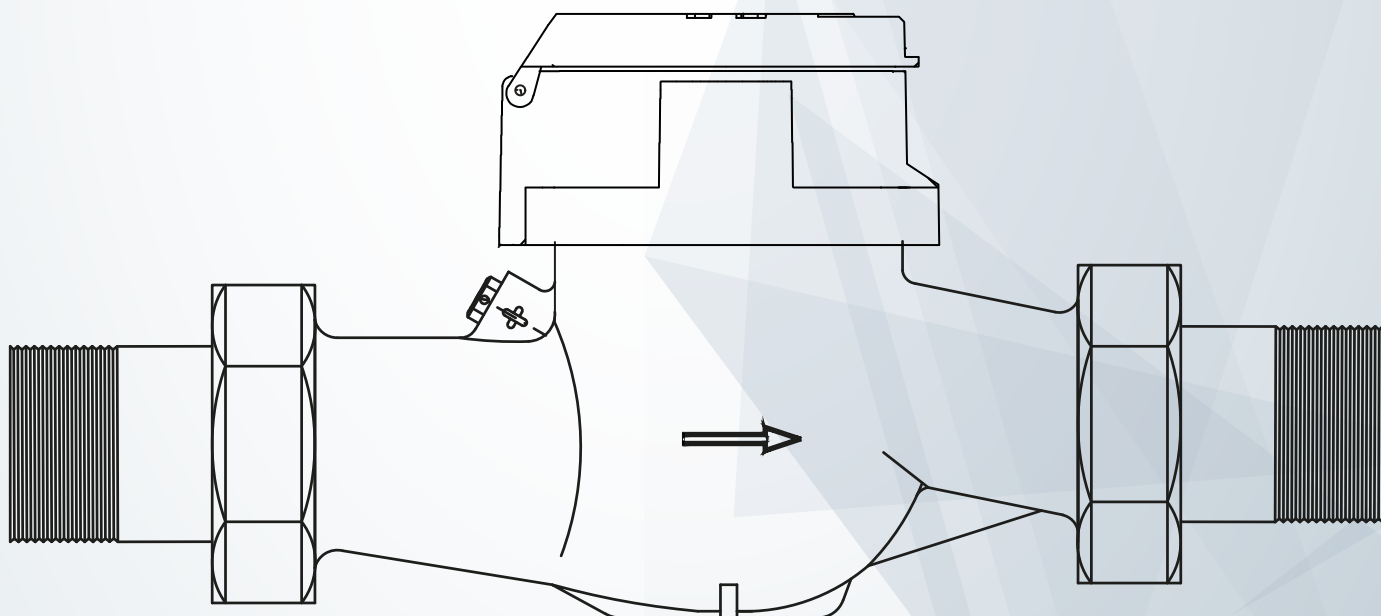
Hydrodynamic design

Multi-jet technology ensures uniform distribution of load on the turbine located thanks to the water inlet diffuser. The movement activates the magnetic transmission that will give the final reading of the volume.



High protection

Hidroconta Triton watermeters are designed to avoid external manipulation by magnetic fields. They have a special shield that covers the dial and prevents any possible fraud.





Potable water MID Homologation

Thanks to the homologation acquired, the low maintenance needs and the reduced pressure losses this product is suitable for totalizing water for domestic use.

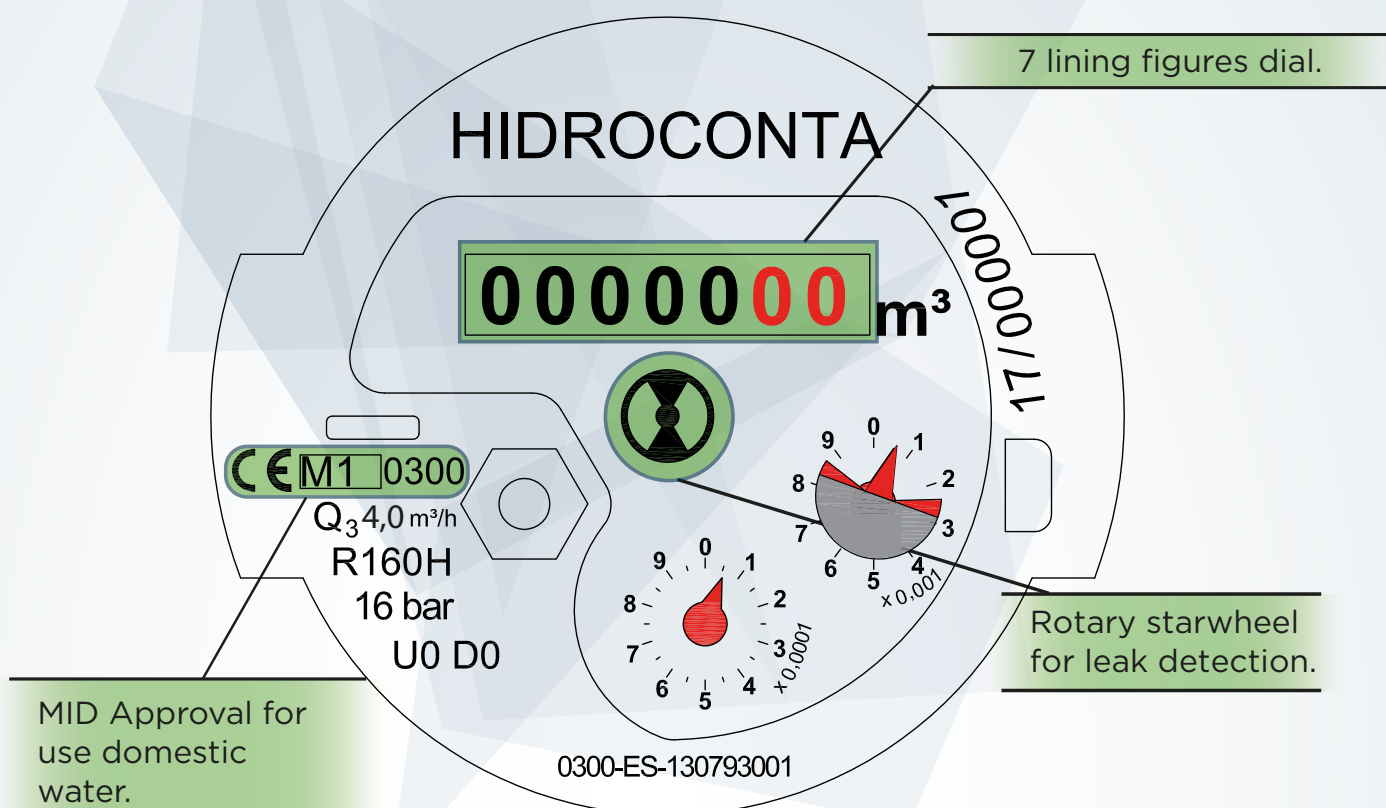


Pre-equipped

The Hidrojet dial has a pre-installation that allows to place a pulse emitter, without having to stop the counter, this will give information of the reading.



Dial



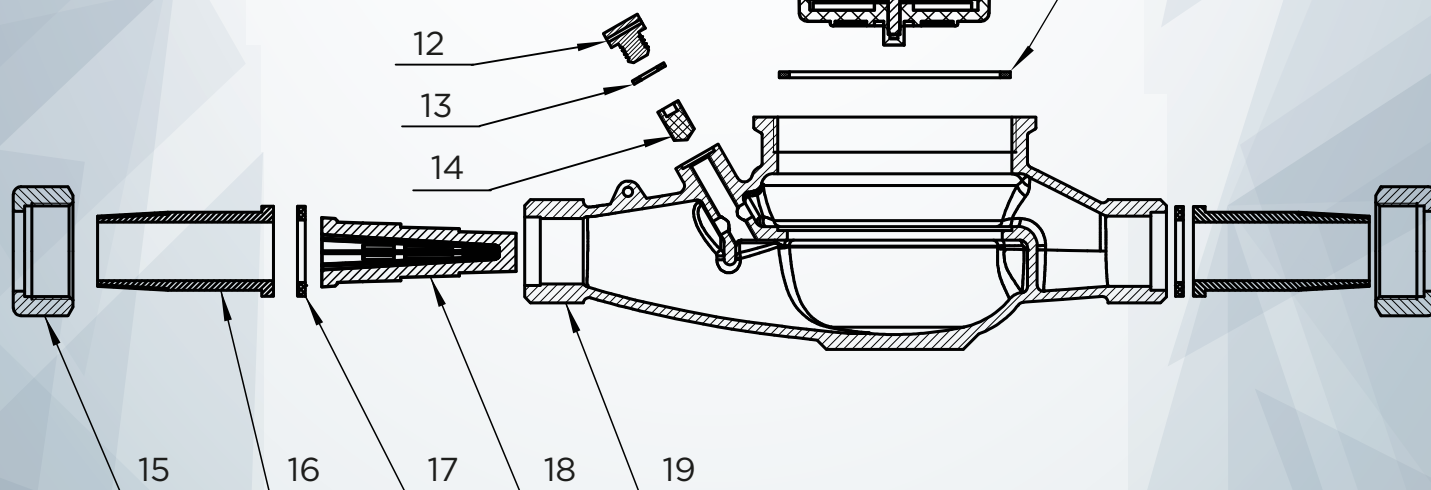
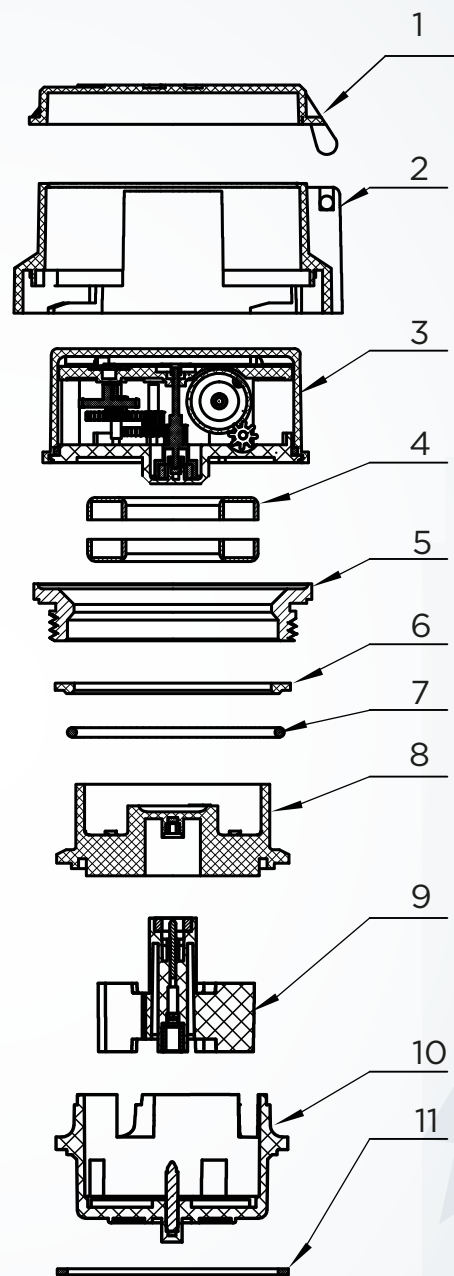
Technical specifications

- ✓ - Copper alloy body coated with Epoxy paint.
- ✓ - Turbine and dial in thermoplastic material.
- ✓ - Vacuum dial to prevent condensation of water.
- ✓ - Magnetic transmission protected against external magnetic fields.
- ✓ - Inductive pulse output pre-equipment for a remote reading. Quick connection without stopping or dismantling the water meter.
- ✓ - High mechanical and wear resistance .
- ✓ - MID approval for potable water. MID 2014/32 / EU Directive.
- ✓ - Straight sections are not necessary at the Hidrojet input or output U0-D0.



Disassembly

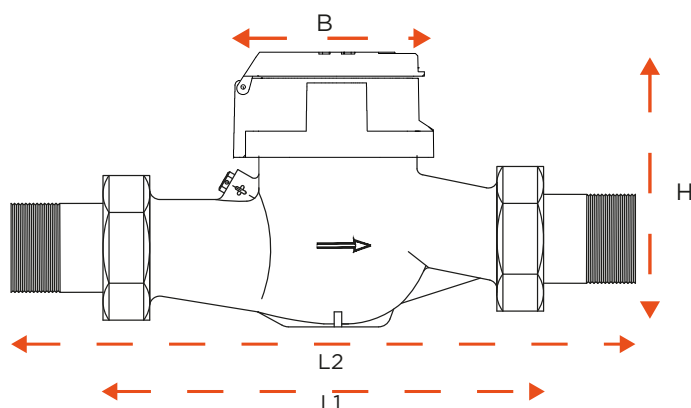
Nº	Description	Material
1	Lid	ABS
2	Cover	ABS
3	Dial	Assembly
4	Antifraud-ring	Hierro
5	Closing ring	Copper alloy
6	Joint	Nylon
7	O-ring	NR
8	Separated plate	PPO
9	Turbine	PP
10	Chamber	PPO
11	O-ring	NR
12	Plug	Copper alloy
13	Joint	POM
14	Adjusting screw	POM
15	Nut	Copper alloy
16	Fitting tube	Copper alloy
17	Joint	NR
18	Filter	POM
19	Body	Copper alloy





Dimensions

Calibre		L1	L2	B	H	Weight with fittings	Weight without fittings	Threaded fittings
mm	Pulg.	mm				Kg		
15	1/2"	165	258	79	110	0,99	0,82	G 3/4" BSP
20	3/4"	195	287	79	112	1,29	1,02	G 1" BSP
25	1"	260	378	79	113	2,23	1,75	G 1-1/4" BSP



Packing

CALIBRE	UNITS PER BOX	BOX DIMENSIONS (CM)			GROSS WEIGHT
		Length	Width	High	KG
DN 15	10	51,4	18,5	26,5	13,42
DN 20	10	52,9	21,4	27,8	16,88
DN 25	10	56,5	27	16,4	14,12



Working conditions

Room temperature	Maximum pressure
0.1 °C ~ 40 °C	≤ 16 bar



Maximum permissible error

Range	Error (%)
$Q_1 \leq Q < Q_2$	± 5%
$Q_2 \leq Q \leq Q_4$	± 2%

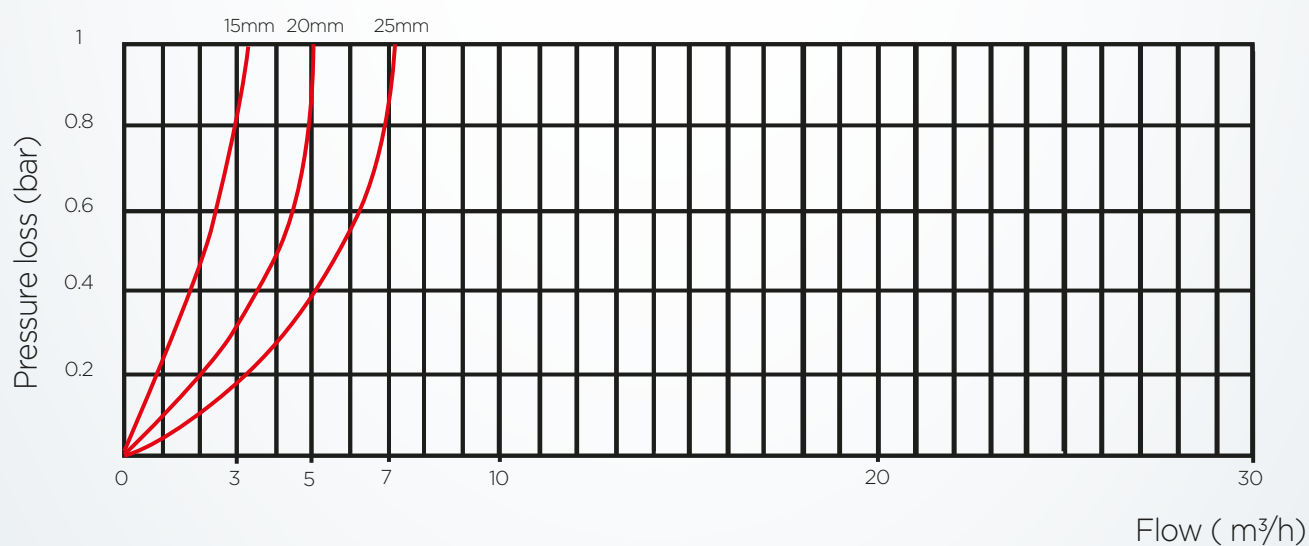


Technical specifications

Calibre		Q ₄ Overload flow	Q ₃ Permanent flow	Q ₂ Transition flow	Q ₁ Minimum flow	Starting flow rate	Minimum Reading	Maximum Reading	Ratio
mm	Inch	m ³ /h				l/h	l	m ³	
15	1/2"	3,125	2,5	0.025	0.0156	8	0,05	99.999	R160
20	3/4"	5	4	0.040	0.025	10	0,05	99.999	R160
25	1"	7,875	6,3	0.063	0.0393	10	0,05	99.999	R160

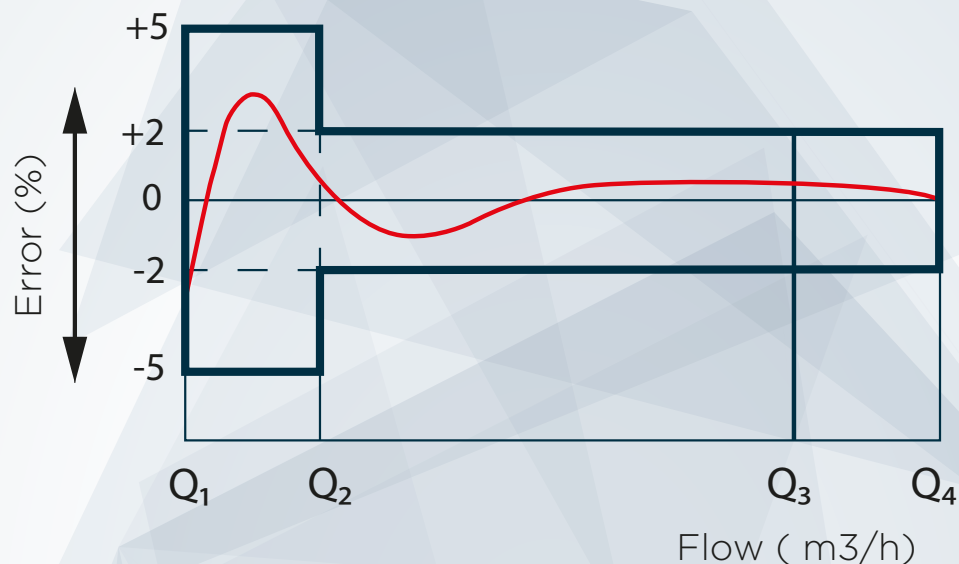


Pressure loss curve





Flow error curve



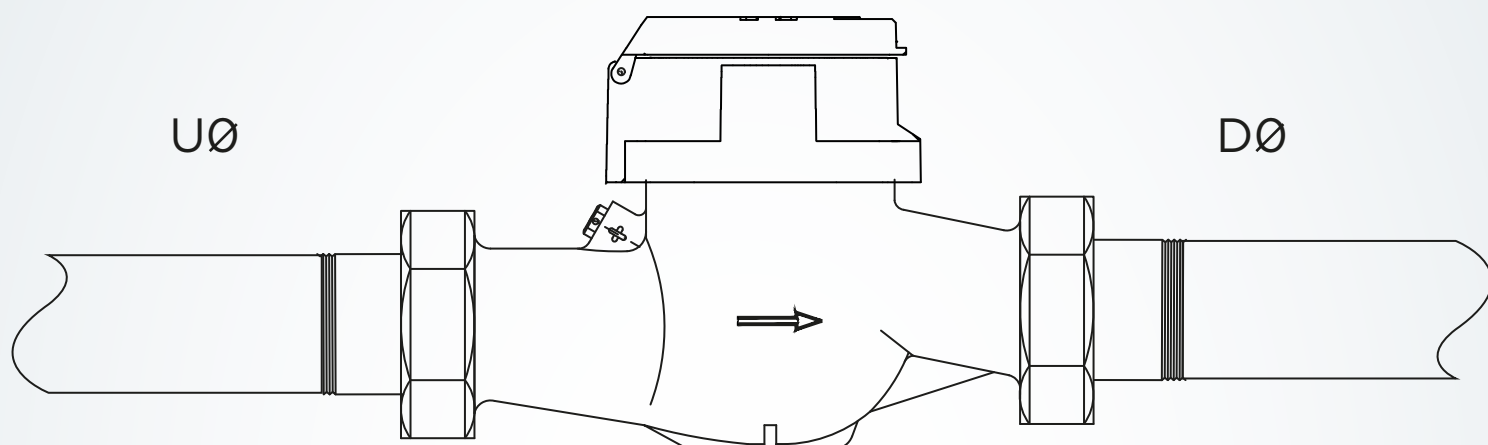
Pulse emisor

DIRECT AND INDIRECT PULSES OUTPUT

Pulse value	Standard 1 pulse = 10 l
Type of output	Potential-free contact
Maximum current for contact closure	100mA
Maximum polarization voltage	60V
Contact resistance closed	5 Ohms maximum
Contact duration closed	100 mS
Insulation voltage test	3750 Vrms



Diagrams for installing



Straight sections are not necessary at the Tritón input or output UØ-DØ.

Installation instructions

- Place the meter so that the arrow matches the direction of the water flow.
- The meters must always be full of water when operating, minimum pressure 0,3 bar, and installed below the slope of the rest of the pipeline. This stops air pockets from forming inside.
- If there is air in the pipeline, suckers must be fitted to avoid incorrect readings. If the water in the pipeline contains large suspended particles, an initial screening filter should be installed.
- Fit a valve upstream from the meter to facilitate maintenance or repair.
- A new pipeline should be drained before fitting a meter to eliminate particles.
- Do not force the meter during assembly; avoid tension or torsional stress, especially to the threaded connections..
- The meter connection can be installed on horizontal, oblique or vertical pipe.



TRITÓN WATER METER

WHEN WATER COUNTS

CUANDO EL AGUA ES LO QUE CUENTA

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