

WOLTMAN WATER METER

MODEL HRV-W



HRV-W:

It is a meter that uses an axial turbine as a speed sensor, the axis of the turbine coincides with the axis of passage of the water, with magnetic transmission and dry sphere. The special design of the turbine allows it to work with high sensitivity at low flow rates.

The measuring insert is encapsulated and rotatable. The viewfinder does not fog up on the inside, ensuring easy reading. The pressure drop due to measurement effects is minimal. Our Woltman meters are characterized by their high measurement stability.

The HRV-W model has the following characteristics:

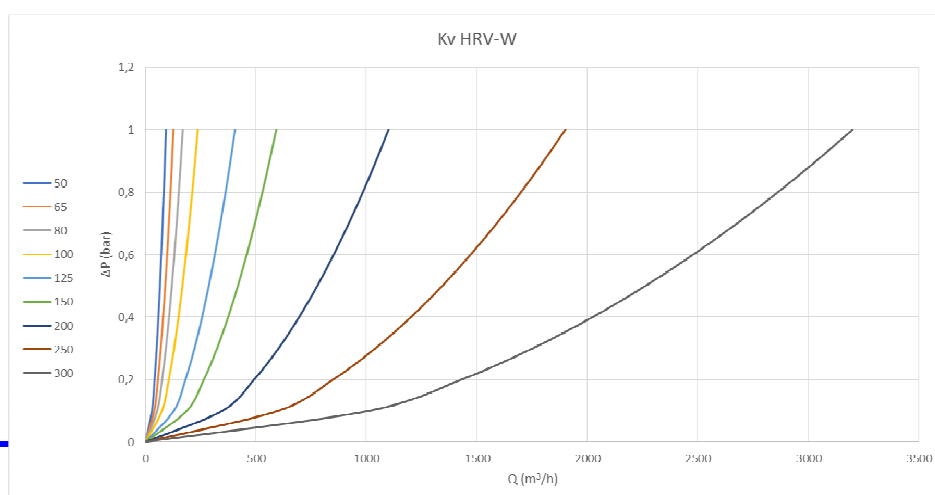
- ★ Approved **U0-D0** (does not need straight sections upstream or downstream).
- ★ Body in cast iron GG-25 with epoxy paint for food use.
- ★ Fully removable mechanism without the need to disassemble the meter from the pipeline and made of technical plastics in combination with stainless steel for the metal parts.
- ★ Optimal hydraulic performance. The meter has the following certificates:

-Certificate of Type Examination for irrigation water by the CEM (Spanish Metrology Center) according to Royal Decree 244/2016, of June 3, which develops Law 32/2014, of December 22, of Metrology and Order ITC / 279/2008, of January 31, which regulates the state metrological control of cold water meters, types A and B.

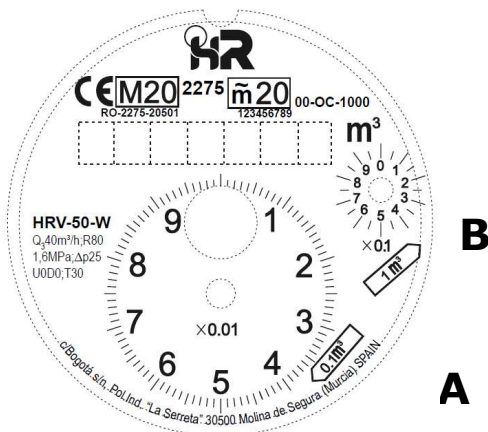
-Certificate of Conformity for drinking water of Model MID (equivalent to Class B) according to European Directive 2014/32 / EU and Royal Decree 889/2006 of July 21, complying with the UNE EN 14154, ISO 4064 and OIML R49 standards throughout its range.

- ★ Pre-equipped for pulse emission. Reed and opto-electronic impulse option.
- ★ 360° orientable register with IP 68 degree of protection and direct totalization by means of numbered rollers.
- ★ Dry and watertight sphere, with direct magnetic transmission. Mixed reading by central needle and numbered drums, very wide verification step.

HEAD LOSS:



| TECHNICAL DATA | | | | | | | | | | | |
|--------------------------------|-------------------|---------------|-------|-------|-------|---------|--------|-------|--------|-------|-------|
| MODEL HRV-W | Unidad | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | |
| Overload flow Q_4 | m ³ /h | 50 | 78,75 | 78,75 | 125 | 200 | 312,50 | 500 | 787,50 | 1250 | |
| Permanent flow Q_3 | m ³ /h | 40 | 40 | 63 | 100 | 160 | 250 | 400 | 630 | 1000 | |
| Transition flow Q_2 | m ³ /h | 1,28 | 1,28 | 1,26 | 2 | 3,20 | 5 | 8 | 12,60 | 20,00 | |
| Minimum flow Q_1 | m ³ /h | 0,50 | 0,50 | 0,79 | 1,25 | 2 | 3,125 | 5 | 7,875 | 12,50 | |
| Maximum pressure | Bar | 16 | | | | | | | | | |
| Dynamic range Q_3/Q_1 | | R80 | | | | | | | | | |
| Flow profile | | U0D0 | | | | | | | | | |
| Model approval | | RO-2275-20501 | | | | | | | | | |
| Minimum reading | l | 0,5 | 0,5 | 0,5 | 0,5 | 0,5 | 5 | 5 | 50 | 50 | |
| Maximum reading | m ³ | 9.999.999,99 | | | | | | | | | |
| Weight | Kg | 12 | 13 | 15 | 16,50 | 22 | 41 | 53,50 | 99 | 105 | |
| Length (L) | mm | 200 | 200 | 225 | 250 | 250 | 300 | 350 | 450 | 450 | |
| Heigh (H) | mm | 257 | 267 | 277 | 287 | 297 | 375 | 400 | 484 | 506 | |
| Temperature range | °C | T30 | | | | | | | | | |
| Body | | Cast iron | | | | | | | | | |
| Pulse emitter (TIPO REED IP67) | m ³ | | | | | K = 0,1 | | | | K = 1 | K = 1 |
| | | | | | | K = 1 | | | | - | - |



| | DN 50 / 200 | DN250/300 |
|---|--|--|
| A | K = 100 1 Pulse / 100 liters | K = 1.000 1 Pulso / 1.000 liters (1m ³) |
| B | K = 1.000 1 Pulse / 1.000 liters (1m ³) | - |

Installation instructions for the "REED" type pulse emitter:

- ✓ After having identified the pulse we need, insert the pulse emitter into the hole in the housing until you hear a "click".

