

R160 INFINITY EVO WOLTMANN METER (150mm + 200mm)



The 150mm and 200mm Infinity Evo Woltmann WP Meters comply with Directive 2014/32/EU (MID) (Annex MI-001). (EU- Type Examination Certificate Number : TCM 142/17- 5473.)

APPLICATION

- Accurate measurement of the volume for cold potable water passing through a pipeline.
- Excellent low flow measuring capability. Ideal for zone and area monitoring.

FEATURES

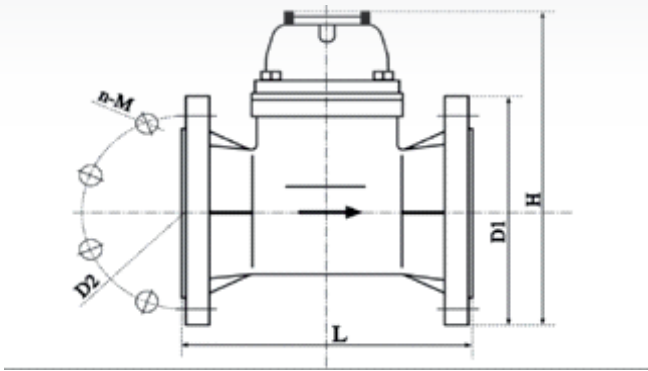
- MID certified - R160. Certificate number TCM142/17 – 5473. (R250 Capable.)
- Directive 2014/32/EU approved (Annex MI-001).
- IP68 copper can register with scratch resistant mineral glass lens.
- Pulse ready as standard.
- Magnetic reed switch, inductive pulser or radio module options.
- Performance is not affected by installation conditions.
- Suitable for both horizontal and vertical installation. (UP↑)
- Serial numbers printed on dial face.
- Registers have magnetic protection. Prevent magnetic interference and tampering.
- Meter body is manufactured from SG cast iron ensuring extra strength and shock resistance.
- The meter body is epoxy coated both internally and externally.
- The steel pivot + synthetic sapphire bearings ensure and long-term durability and accuracy.
- The internal mechanism is manufactured from hard wearing anhygroscopic anti-scaling virgin engineering plastics.
- The meter has a built-in flow straightener.
- No upstream and downstream straight pipe requirements. (U0-D0)
- The nominal working pressure is 1600 kPa. (16 Bar)
- The maximum working temperature is 50°C.
- Fully shrouded pre-calibrated interchangeable internal mechanisms are available for ease of maintenance.
- The meter body has no effect on accuracy.
- The calibration vane is situated in a protected by-pass thus preventing impact and movement of the calibration vane by suspended solids in the pipeline resulting in the meter losing accuracy.
- The meter can be marked with a QR code with meter serial number for GPS location and identification.

PERFORMANCE SPECIFICATIONS R160

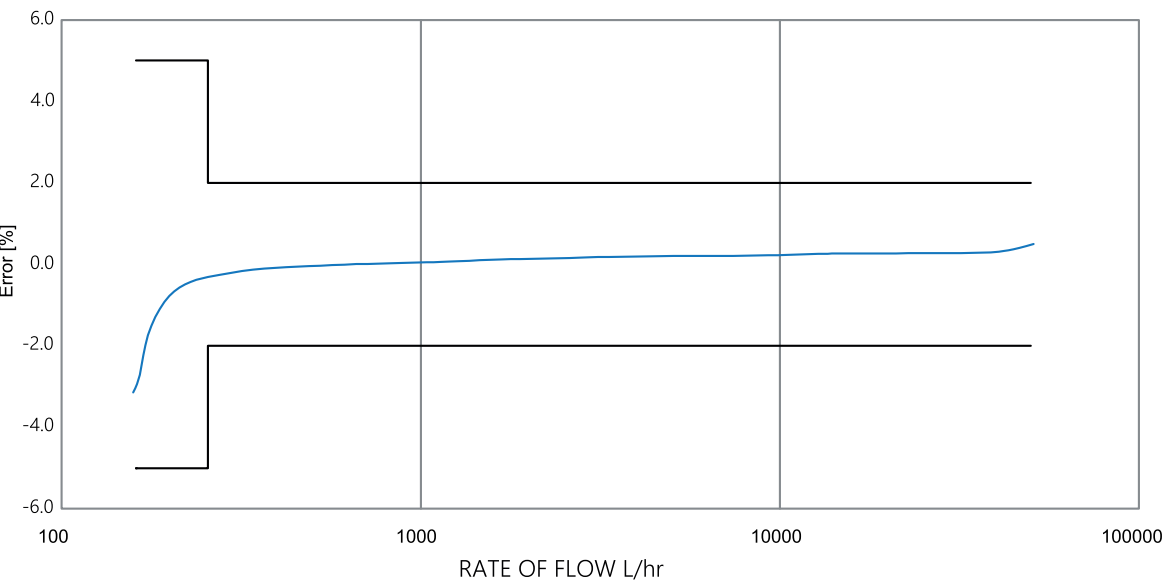
METER SIZE (mm)	Q ₁ m³/h (Qmin)	Q ₂ m³/h (Qt)	Q ₃ m³/h (Qp)	Q ₄ m³/h (Qs)	Counter multiplication Factor	Minimum Reading (m³/h)	Pulse Value Litres per pulse (INDUCTIVE)	Pulse Value Litres per pulse (REED)
150	1.56	2.5	250	312.5	X 10	0.005	100	1000
200	2.5	4	400	500	X 10	0.005	100	1000

DIMENSION TABLE

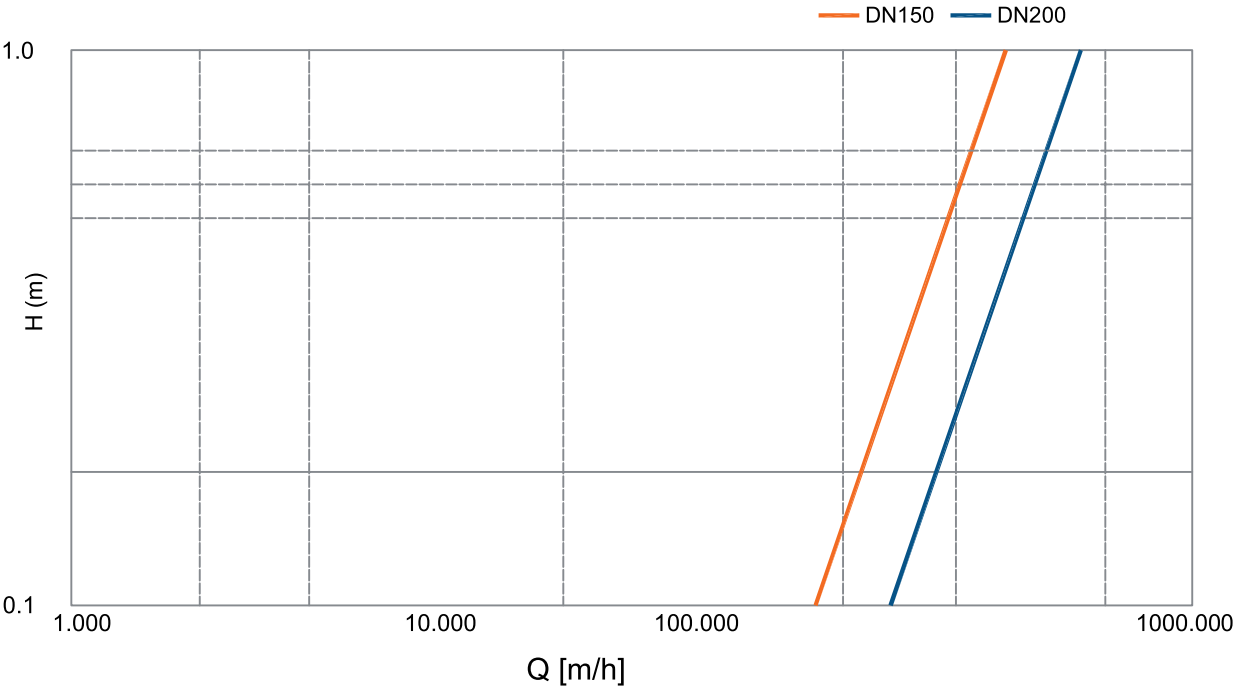
METER SIZE (mm)	Length (mm)	Height (mm)
150	300	316
200	350	345



TYPICAL ERROR CURVE



HEADLOSS CURVE



COMMUNICATION



FLOWPULSE



REED SWITCH WOLTMANN

FLOWPULSE BI- DIRECTIONAL INDUCTIVE PULSER

- Power supply: lithium battery; service life 12 years (standard configuration)
- Safe from magnetic fields
- Protection rating: IP68
- Flow Pulse: for transmission of data to a digital remote reading unit



MECHANICAL REED SWITCH PULSER

- Easy to install and replace
- No influence on the meter's performance
- Protection rating: IP68

