

INFINITY EVO CLASS C WOLTMAN METER



The Infinity Evo Woltmann Meter complies with the requirements of the Legal Metrology Act (2014), SANS1529-1: 2019 and the National Regulator for Compulsory (N.R.C.S.). In addition, the meters comply with Directive 2014/32/EU (MID) (Annex MI-001) and European Standard ISO4064.

APPLICATION

- Accurate measurement of the volume for cold potable water passing through a pipeline.
- Suitable for metering large consumers.
- Low flow rate measurement capability for zone metering and area monitoring and establishing minimum night flows.

FEATURES

- Verified to SANS 1529-1 : 2019 Class C specifications.
- Directive 2014/32/EU (Annex MI-001) certified.
- IP68 copper can register with scratch resistant mineral glass lens.
- Pulse ready as standard.
- Magnetic reed switch, inductive pulser or radio module options available.
- Performance is not affected by installation conditions.
- Suitable for both horizontal and vertical installation (UP↑).
- Serial number printed on dial face.
- Registers have magnetic protection to 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.

PERFORMANCE SPECIFICATIONS

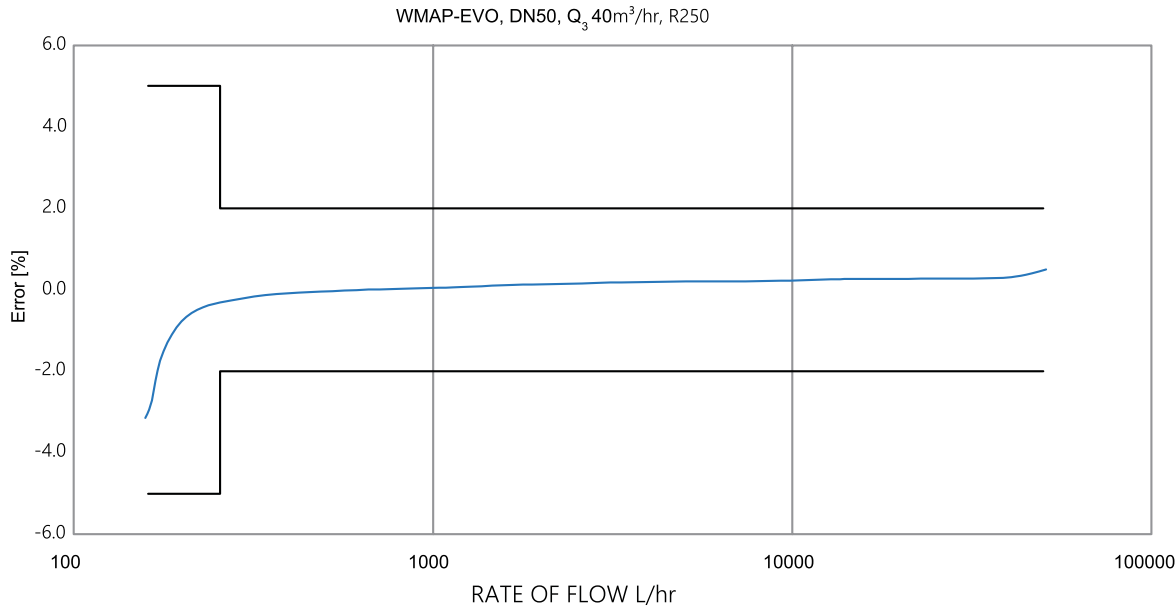
METER SIZE (mm)	MINIMUM FLOW RATE QMIN (M³/H)	TRANSITIONAL FLOW RATE QT (M³/H)	PERMANENT FLOW RATE QP (M³/H)	MAXIMUM FLOW RATE QS (M³/H)	STARTING FLOW RATE (M³/H)	MINIMUM READING QS (M³/H)
50	0.240	0.600	40	80	0.125	0.0005
65	0.378	0.975	63	126	0.190	0.0005
80	0.600	1.500	100	200	0.320	0.0005
100	0.960	2.400	160	320	0.450	0.0005

* The Evo meter performs to Class C specifications when installed vertically (UP).

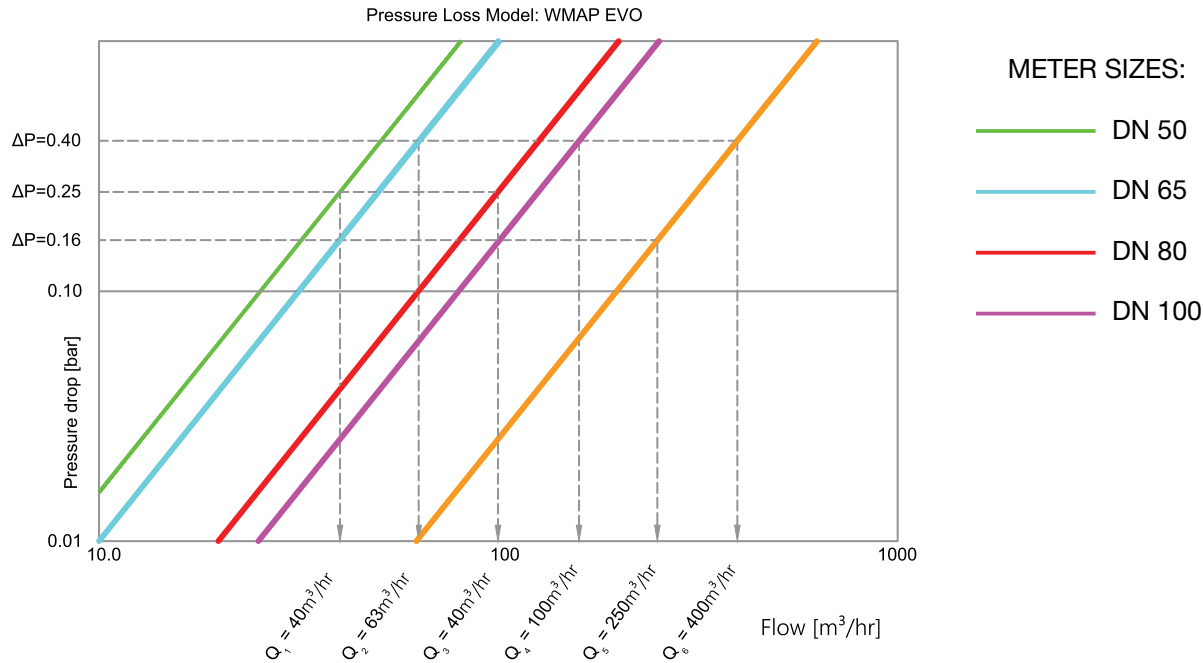
PULSE OUTPUT VALUE

METER SIZE (mm)	INDUCTIVE PULSE VALUE (LITRES PER PULSE)	MAGNETIC REED PULSE VALUE (LITRES PER PULSE)
50	10	100
65	10	100
80	10	100
100	10	100

TYPICAL ERROR CURVE

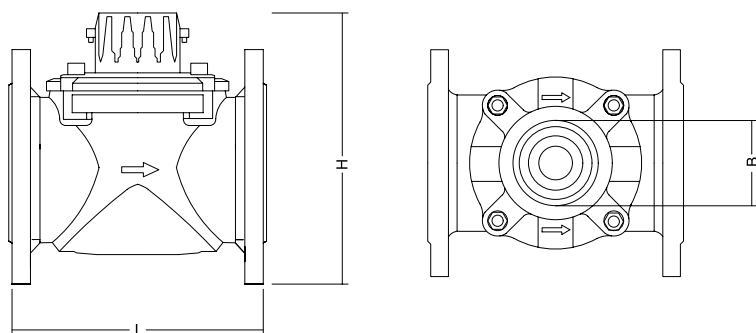


HEAD LOSS CURVE



DIMENSION TABLE

METER SIZE (MM)	Length (mm)	Height (mm)
50	200	209
65	200	218
80	225	249
100	250	258



FLOWPULSE BI - DIRECTIONAL INDUCTIVE PULSER

- Power supply: Lithium battery; service life 12 years (standard configuration)
- Not affected by 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

