



Woltmann type water meter with self-clearing paddle wheel

- Removable 3-paddle wheel, axial design
- Sealed register and dry dial
- Readability is ensured over time by the mineral tempered glass lens which, unlike plastic lenses, is scratch resistant and remains transparent
- The dial, the numbered drums and the inscriptions are in a dry compartment which has no contact with water for continued readability.
- Mechanical drive
- Safe from magnetic fields (tamper attempts)
- Installation in horizontal, vertical or inclined position
- Hydraulic performance in compliance with the standard EN 14268 (irrigation water meters)

APPLICATIONS

WMAPE meters are ideally suited for irrigation purposes. The 3-paddle wheel ensures self-clearing and eliminates clogging from weeds, sand or debris.

RANGE

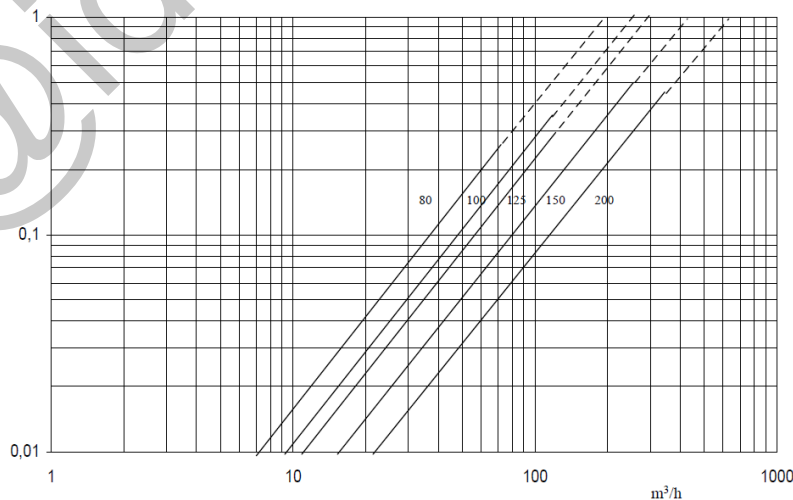
WMAPE meters are available in sizes from 80 mm to 200 mm, with cast iron painted body and PN 16 flanged connections.

The serial number, the meter size and the hydraulic features are on a label on the flange.

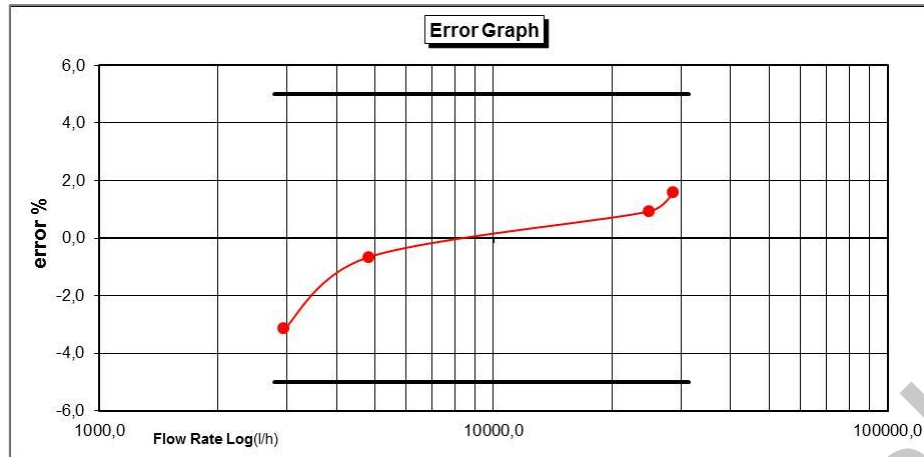
WMAPE meters also come in a version equipped for retrofitting a reed switch pulser (1 pulse/100 litres). The pulser does not conceal the dial and may be installed retaining the glass lens.

WMAPE meters may be provided with an ARROW radio module for data transmission.

HEAD LOSS



TYPICAL ERROR CURVE



HYDRAULIC PERFORMANCE AND DIMENSIONS

SIZE	mm	80	100	125	150	200
	in	3"	4"	5"	6"	8"
Q ₁	m ³ /h	3.15	5	8	12.5	20
Q ₂	m ³ /h	5	8	12.8	20	32
Q ₃ (real value)	m ³ /h	63	100	160	250	400
Q ₄	m ³ /h	78.75	125	200	312	500
Error at Q ₃		± 5%	± 5%	± 5%	± 5%	± 5%
Q ₃ /Q ₁		R20				
Head loss class (ΔP at Q ₃)		ΔP 10				
Flow profile sensitivity classes		U0S – D0				
Nominal pressure PN	bar	16	16	16	16	16
Maximum registration	m ³	10 ⁷ – 999,999 m ³			10 ⁸ – 9,999,999 m ³	
Operating temperature	°C	30 (max. 50)				
Pulse options	l/pulse	100				
Length (L)	mm	300	370	400	450	500
Height (H)	mm	235	255	280	305	360
Flange diameter (D)	mm	200	220	250	280	340
Bolt holes and diameter	mm	8 X M16	8 X M16	8 X M16	8 X M20	12 X M20
Weight	kg	16.5	23	25	33	48

