

WMC 50mm x 15mm – 150mm x 40mm Combination Type Water Meter

APPLICATION:

- Measures the volume of clean, cold water passing through a pipeline.
- DMA (District Metered Areas).

FEATURES:

- Wide measuring range.
- Easy installation and maintenance.
- Dry dial register with magnetic drive.
- Low pressure loss.
- Cast Iron epoxy coated body.
- Pulse output for both sizes (on request).
- Each meter has a unique serial number.

MAXIMUM PERMISSIBLE ERRORS:

- In the lower zone from q_{min} inclusive up to but excluding q_t is $\pm 5\%$.
- In the upper zone from q_t inclusive up to and including q_s is $\pm 2\%$.

WORKING CONDITIONS:

- Working temperature: $\leq 50^\circ \text{C}$ for cold water: 1000 kPa (10 Bar).
- Working temperature: $\leq 50^\circ \text{C}$ for cold water: 1600 kPa (16 Bar) on request.

COMPLIANCE STANDARD:

- Compliance with ISO4064: Class B.



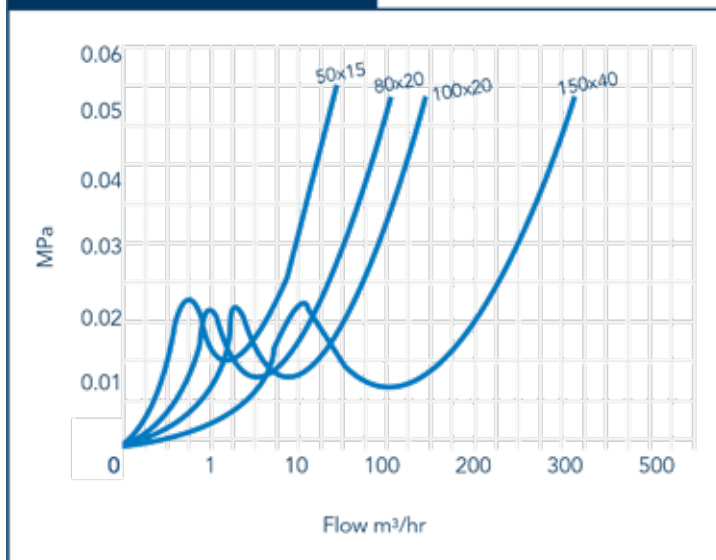
INSTALLATION REQUIREMENTS:

- Must be installed on a horizontal pipeline only with register facing upwards.
- Pipeline must be flushed before installation.
- Meters should be constantly full of water during operation.
- The height 'G' is necessary to remove the measuring unit.
- The meter must have 10 diameters of straight pipe before water meter and 5 diameters of straight pipe after water meter to ensure proper flow through meter.

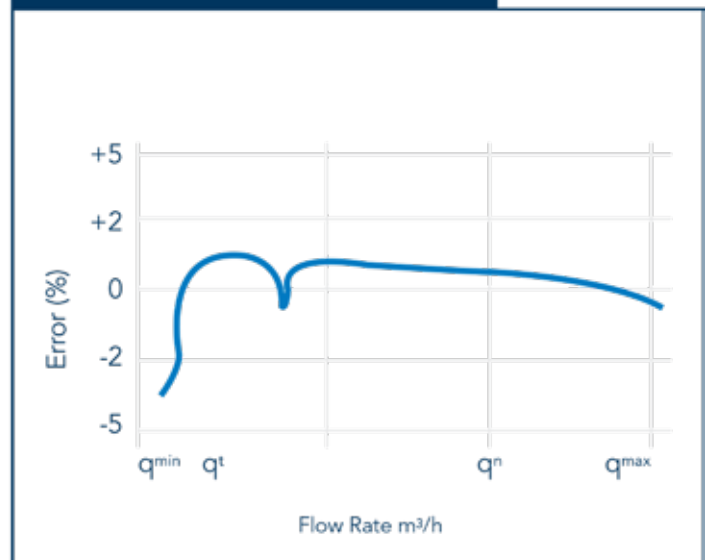
MAIN TECHNICAL SPECIFICATIONS

Type	Size (mm)	Class	m ³ /h				m ³		Pulse Values (Per Pulse)	
			q ^s	q ⁿ	q ^t	q ^{min}	Min. Reading	Max. Reading	50mm – 150mm	15mm – 40mm
			Max. Flow	Nominal Flow	Transitional Flow	Min. Flow				
WMC - 50	50 x 15	B	30	15	0,12	0,03	0,0001	999999.999 + 99999.9999	100 ℓ	1 ℓ or 10 ℓ or 100 ℓ
WMC - 80	80 x 20	B	40	40	0,2	0,05			100 ℓ	1 ℓ or 10 ℓ or 100 ℓ
WMC - 100	100 x 20	B	120	60	0,2	0,05			100 ℓ	1 ℓ or 10 ℓ or 100 ℓ
WMC - 150	150 x 40	B	300	150	0,8	0,2	0,001	9999999.99 + 99999.999	100 ℓ	1 ℓ or 10 ℓ or 100 ℓ

HEAD LOSS DATA



FLOW ERROR CURVE



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DIMENSIONS TABLE

Type	Size (mm)	L Length (mm)	H Height (mm)	W Width (mm)	G Height G (mm)	Available Connecting Flange: BS4505			One Meter Per Wooden Crate	
						D Outside Diameter (mm)	D1 Bolt Circle Diameter (mm)	n-M Connecting Bolts	± Weight (kg)	Dimensions (mm)
WMC - 50	50 x 15	280	256	268	360	165	125	4-M16	20	358 x 199 x 261
WMC - 80	80 x 20	370	276	310	400	200	160	8-M16	28	433 x 344 x 328
WMC - 100	100 x 20	370	286	320	400	220	180	8-M16	33	433 x 364 x 336
WMC - 150	150 x 40	500	345	445	500	285	240	8-M20	64	563 x 479 x 366

DIMENSIONS

