

WMAP EVO



AXIAL WOLTMANN METER

WMAP Evo represents an excellent solution for large volume metering in the utility, industrial and commercial sectors. It provides good metrological performance and wide measuring range, while ensuring perfect readability over time thanks to its IP68 copper/glass register. Robust, long lasting and suitable for the most challenging environments, it is compatible with all types of water. It can be equipped with the latest remote data transmission technologies.

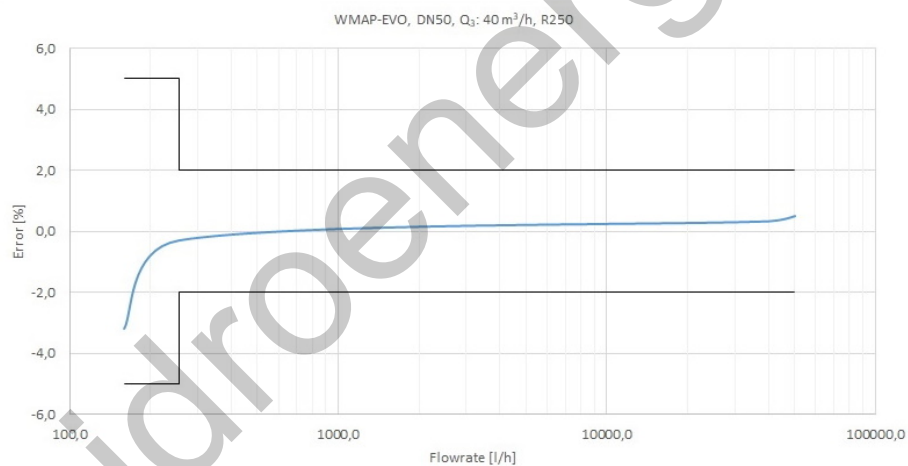
WMAP EVO

FEATURES

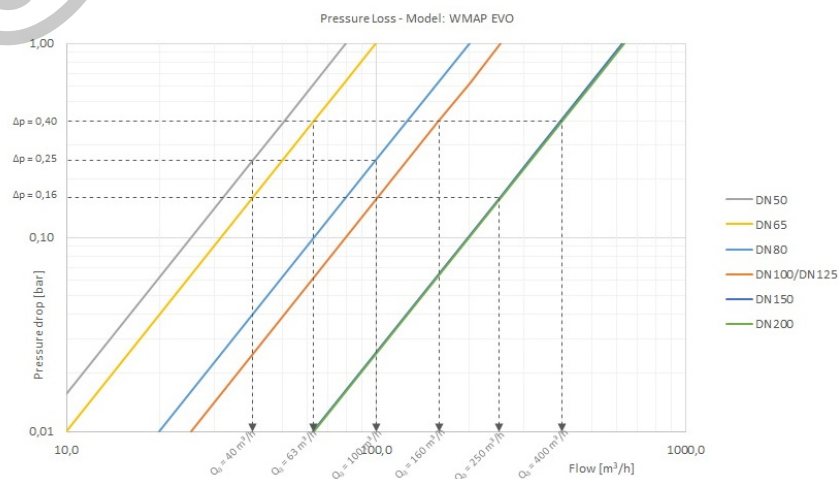
- Interchangeable mechanism axial Woltmann meter for cold water
- Ideal for large volumes for utilities and industrial use
- MID-certified: R max 250
- DN: 50 to 200
- Pre-equipped for reed switch or static pulse emitter
- Health certifications available for a number of countries
- High protection against external magnetic fields
- Mineral glass lens
- Sealed register (IP68 copper/glass) to prevent condensation
- The register can be rotated 360°
- Can be provided fitted with wired or radio communication module



TYPICAL ERROR CURVE



HEAD LOSS DIAGRAM



HYDRAULIC PERFORMANCE

Size	mm	50	65	80	100	125	150	200
	in	2	2 ½	3	4	5	6	8

Modulo B no. TCM 142/17-5473

Modulo D no. 0119-SJ-A010-08

Q ₃ /Q ₁ = R Referred to installation position	H↑ ≤ 250 H→; V↑; V↓ ≤ 160					H↑; V↑ ≤ 250 H→; V↓ ≤ 125		
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MID standard performance *

Q ₃	m ³ /h	40	63	100	160	250	400
Q ₄	m ³ /h	50	78,75	125	200	312,50	500

R 100

Q ₁	l/h	400	630	1000	1600	2500	4000
Q ₂	l/h	640	1008	1600	2560	4000	6400

* Other values of R available upon request.

TECHNICAL DATA

Maximum permissible error between Q₁ and Q₂ (excluded) +/- 5%

Maximum permissible error between Q₂ (included) and Q₄ +/- 2% with water temperature ≤ 30°C
+/- 3% with water temperature > 30°C

Temperature class T50

Flow profile sensitivity classes U0 – D0

Starting flow rate	l/h	125	190	320	450	700	1200	1800
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Head loss		ΔP25	ΔP40	ΔP25	ΔP40	ΔP16	ΔP40
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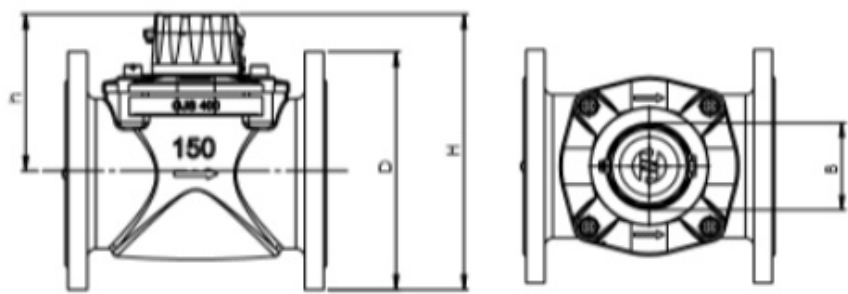
Nominal pressure bar 10/16

Maximum reading	m ³	10.000.000					100.000.000	
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Minimum reading	m ³	0,002					0,02	
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Indicative weight	kg	10	11,2	15,2	17,2	22,4	29	42,6
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DIMENSIONS



Size	mm	50	65	80	100	125	150	200
	in	2	2 ½	3	4	5	6	8
L	mm	200		200/225	250		300	350
H	mm	209	218	249	258	271	316	345
h	mm	132		154			183	
B	mm	165	185	200	220	250	280	340

COMMUNICATION MODULES

	ARROW ^{EVO} 868	M-Bus ^{WIRELESS} OMS [®]
	ARROW SIGFOX	SIGFOX
	ARROW ^{WAN} 169 SPLIT	M-Bus ^{WIRELESS}
	ARROW ^{WAN} 868 SPLIT	LoRa ^{WAN}
	ARROW ^{WAN} NB-IoT SPLIT	NB-IoT
	FLOWPULSE	
	REED SWITCH WOLTMANN	