

MJ ONE



PROTECTED ROLLERS MULTI-JET METER

MJ ONE is the wet-dial multi-jet meter designed to ensure reliability, readability and consistent performance over time. The protected and sealed roller system prevents the formation of condensation, air bubbles and ice, keeping the reading clear even under the most critical environmental conditions. The mechanical transmission also ensures resistance to external magnetic fields. The new component structure improves robustness, register stability and assembly quality. MJ ONE is pulse-output ready as standard and meets the requirements of utilities and outdoor installations.

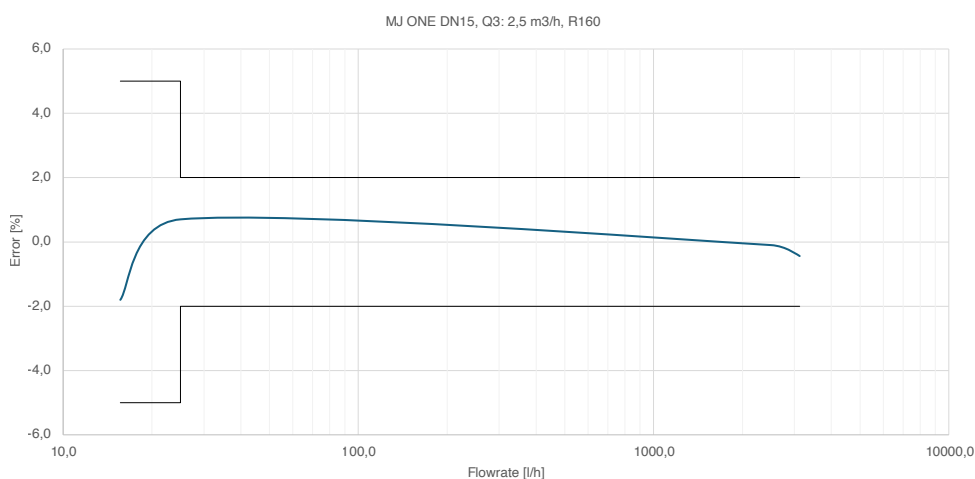
MJ ONE

FEATURES

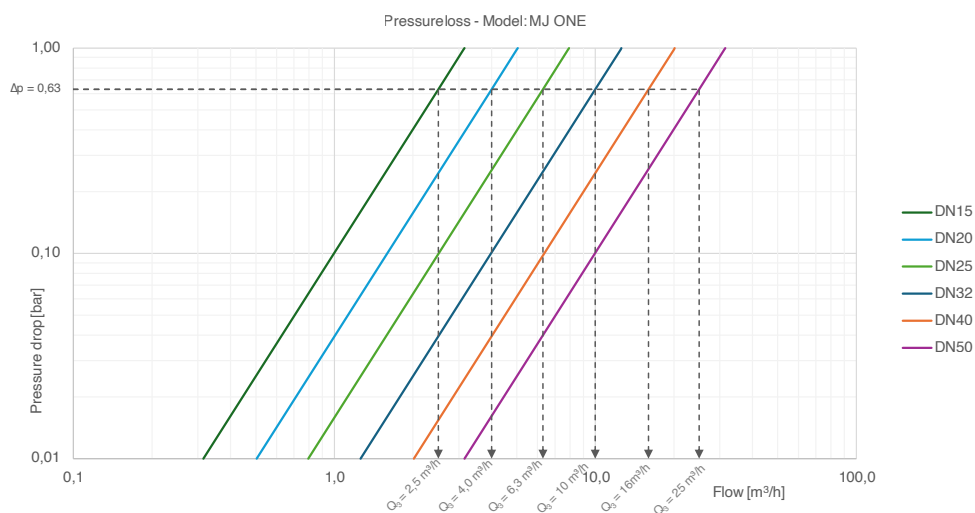
- Wet-dial multi-jet meter for cold water
- Protected and sealed roller system against condensation, air bubbles and freezing
- High readability and long-term stability
- Ideal for utilities and outdoor installations
- MID certified: R max 200
- DN: 15÷50
- Mechanical transmission unaffected by external magnetic fields
- Reinforced cover with secure closure and sensor-ready design
- Pulse-output ready as standard



TYPICAL ERROR CURVE



HEAD LOSS DIAGRAM



METROLOGICAL PERFORMANCE

Size	mm	15	20	25
	pollici	½	¾	1

Module B no. TCM 142/08-4604

Module D no. 0119-SJ-A010-08

Q3/Q1=R
Referred to installation position H ↑ ≤ 200*

MID standard performance**

Q ₃	m ³ /h	2,5	4,0	6,3
Q ₄	m ³ /h	3,13	5,00	7,88
R		160		
Q ₁	l/h	15,63	25	39,38
Q ₂	l/h	25,01	40	63,01

*For DN15 with L≤110, R=160

**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 T30, T50

Flow profile sensitivity classes U0 - D0

Starting flow rate	l/h	4-5	7-9	16-18
Head loss		ΔP63		
Nominal pressure	bar	16		
Maximum reading	m ³	99.999		
Minimum reading	l	0,05		
Indicative weight	kg	1,45	1,61	2,3

METROLOGICAL PERFORMANCE

Size	mm	32	40	50
	pollici	1 ¼	1 ½	2

Module B no. TCM 142/08-4604

Module D no. 0119-SJ-A010-08

Q3/Q1=R
Referred to installation position H ↑ ≤ 200

MID standard performance**

Q ₃	m ³ /h	10,0	16,0	25,0
Q ₄	m ³ /h	12,50	20,0	31,25
R			160	
Q ₁	l/h	62,50	100	156,25
Q ₂	l/h	100	160	250

**Other values of R available upon request

TECHNICAL DATA

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

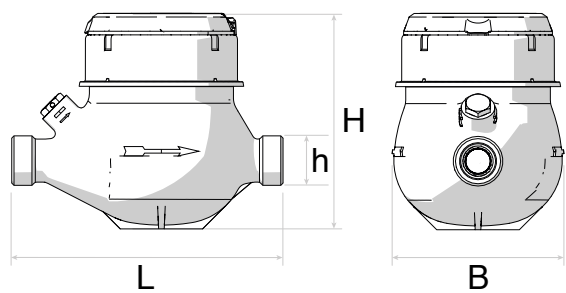
Maximum permissible error between Q₂ (included) and Q₄
+/- 2% with water temperature ≤ 30°C
+/- 3% with water temperature > 30°C

Temperature class T50

Flow profile sensitivity classes U0 - D0

Starting flow rate	l/h	22-24	28-30	
Head loss		ΔP63		
Nominal pressure	bar	16		
Maximum reading	m³	99.999	999.999	
Minimum reading	l	0,05		
Indicative weight	kg	2,4	7,7	7,6

DIMENSIONS



Size	mm	15	20	25
	in	½	¾	1

Thread	in	G ¾ B	G 1 B	G 1 ¼ B
L	mm	110/130/145/165/170/190	160/190	260
H	mm	115	117	125
h	mm	36,5	36,5	43
B	mm	97		

Size	mm	32	40	50
	in	1 ¼	1 ½	2

Thread	in	G 1 ½ B	G 2 B	G 2 ½ B
L	mm	260	300	270/300
H	mm	125	143	175
h	mm	43	46	55
B	mm	97	130	154

COMMUNICATION MODULES



QUADRAPLUS



REED SWITCH