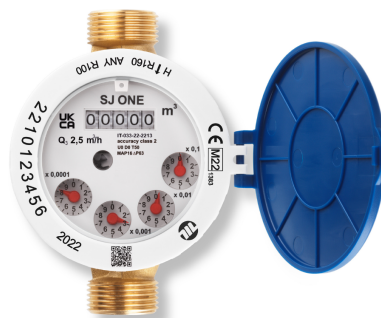# SJ ONE

PROTECTED ROLLERS SINGLE JET METER

SJ ONE is the ultimate single−jet meter expression. Thanks to its mechanical transmission, it offers high metrological performance and is insensitive to external magnetic fields. Its "protected rollers" solution, first developed by Maddalena, ensures perfect legibility over time. Compact, and robust is suitable for the most challenging environments. It can be equipped with the latest remote data transmission technologies.
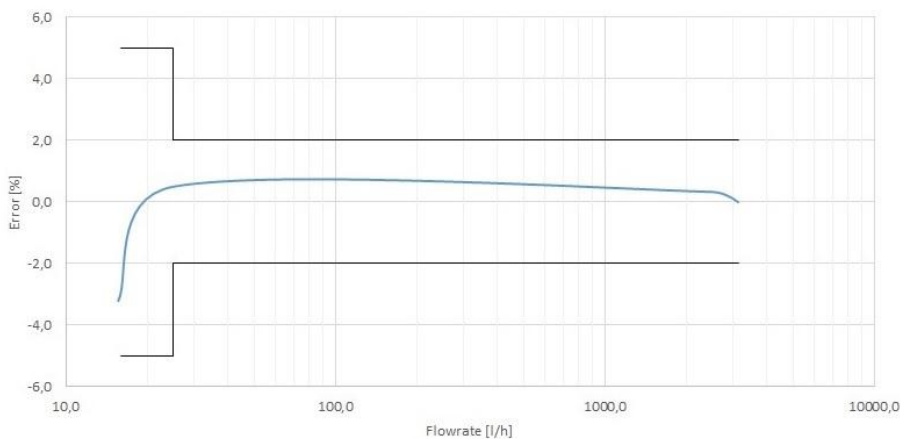
maddalena®

METERING EXPERTISE
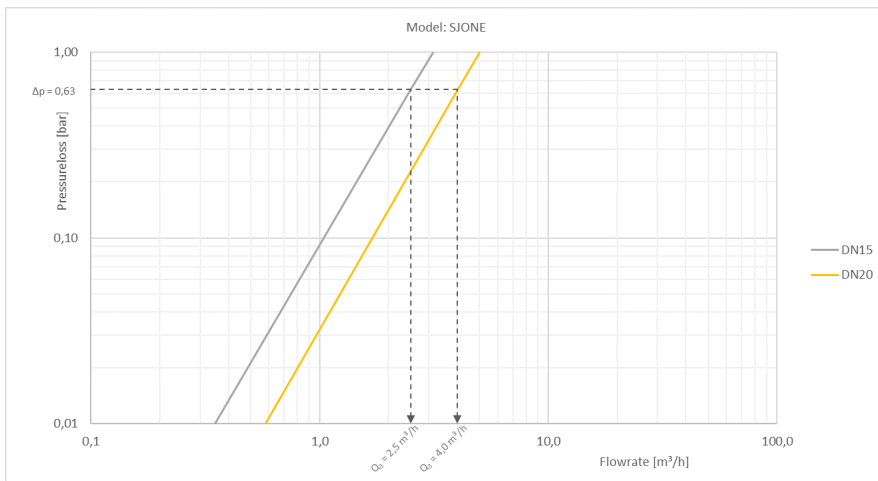
SJ ONE

FEATURES

- Protected rollers single jet meter for cold water
- Ideal for utilities and outdoor installations
- MID–certified: HR 315
- DN: 15÷20
- Health certifications available for a number of countries
- Mechanical transmission unaffected by external magnetic fields
- Mineral glass lens
- Supports various installation positions
- Ready for optional reed switch (1P=1–10–100–1000L) or static pulse emitter (1P=1–10L)

TYPICAL ERROR CURVE

HEAD LOSS DIAGRAM
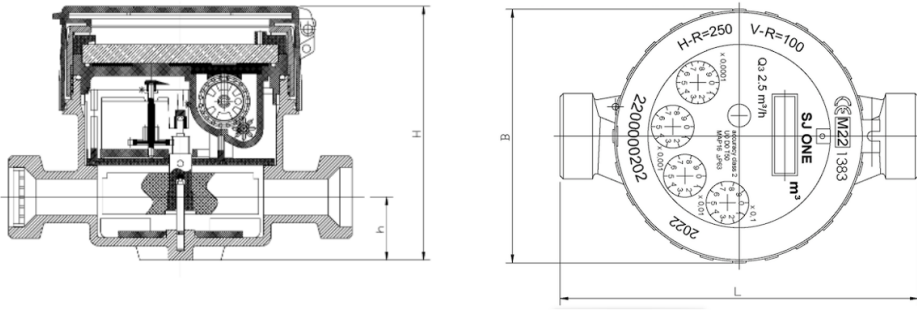
METROLOGICAL PERFORMANCE

Size	mm	15	20
	in	½	¾

Module B no.		IT–033–22–213	
Module D no.		0119–SJ–A010–08	
$Q_3/Q_1 = R$ Referred to installation position		$H \leq 315$ $V \leq 100$	
MID standard performance *			
Q_3	m³/h	2,5	4
Q_4	m³/h	3,13	5
R		160	
Q_1	l/h	15,63	25
Q_2	l/h	25,01	40

* Other values of R available upon request.

TECHNICAL DATA

Maximum permissible error between Q_1 and Q_2 (excluded)		+/− 5%	
Maximum permissible error between Q_2 (included) and Q_4		+/− 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	4–5	7–9
Head loss		ΔP63	
Nominal pressure	bar	16	
Maximum reading	m³	99.999	
Minimum reading	l	0,05	
Indicative weight	kg	0,57	0,69

DIMENSIONS

Size	mm	15	20
	in	½	¾

Thread	in	G ¾ B	G 1 B
L	mm	110/115/190	130
H	mm	81	81
h	mm	20	21,5
B	mm	77	77

COMMUNICATION MODULES

 REED SWITCH

 QUADRAPLUS

 ARROW^EVO 868 SPLIT M-Bus wireless | OMS®

 ARROW^WAN 169 SPLIT M-Bus wireless

 ARROW^WAN 868 SPLIT LoRaWAN

 ARROW^WAN NB–IoT SPLIT NB-IoT

For more information on all the accessories available, consult the specific technical data sheets on the website www.maddalena.it

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METERING EXPERTISE