

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.

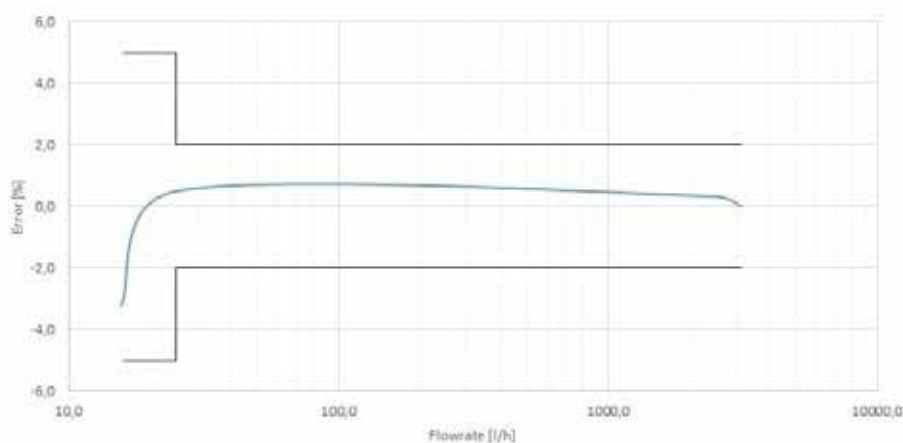
SJ ONE

FEATURES

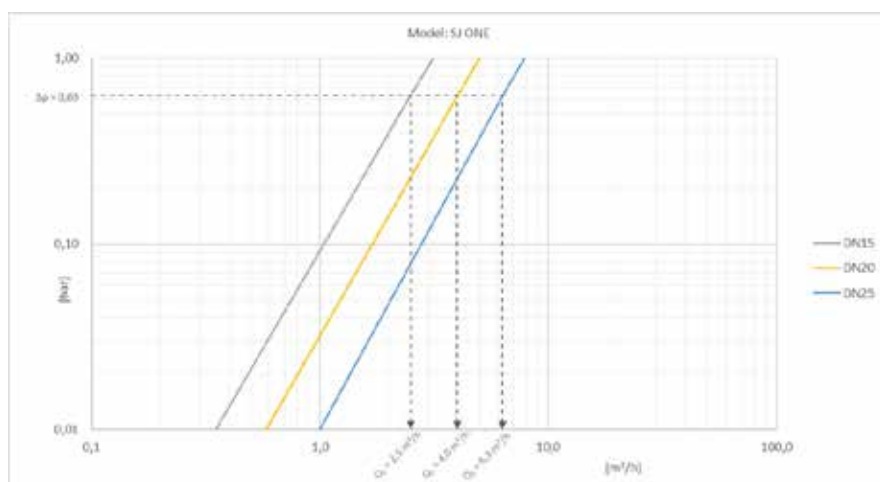
- Protected rollers single jet meter for cold water
- Ideal for utilities and outdoor installations
- MID-certified: HR 315
- DN: 15÷25
- Health certifications available for a number of countries
- Mechanical transmission unaffected by external magnetic fields
- Mineral glass lens
- Supports various 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

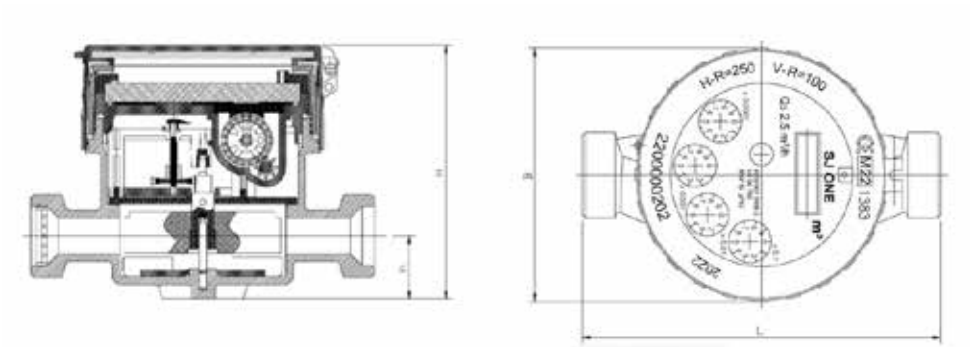
Size	mm	15	20	25
	in	½	¾	1
Module B nr.			IT-033-22-213	
Module D nr.			0119-SJ-A010-08	
Q3/Q1=R Referred to installation position			H ≤ 315 V ≤ 100	
MID standard performance *				
Q ₃	m³/h	2,5	4	6,3
Q ₄	m³/h	3,13	5	7,88
R			160	
Q ₁	l/h	15,63	25	39,38
Q ₂	l/h	25,01	40	63,01

* 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	12
Head loss		ΔP63		
Nominal pressure	bar	16		
Maximum reading	m ³	99.999		
Minimum reading	l	0,05		
Indicative weight	kg	0,57	0,69	1,25

DIMENSIONS



Size	mm	15	20	25
	in	½	¾	1
Thread	in	G ¾ B	G 1 B	G 1 ¼ B
L	mm	110/115/190	130	160
H	mm	81		
h	mm	20		
B	mm	77		

COMMUNICATION MODULES



REED SWITCH



QUADRAPLUS

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