

DS TRP



PROTECTED ROLLERS MULTI-JET METER

DS TRP represents the ultimate multijet 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. 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.

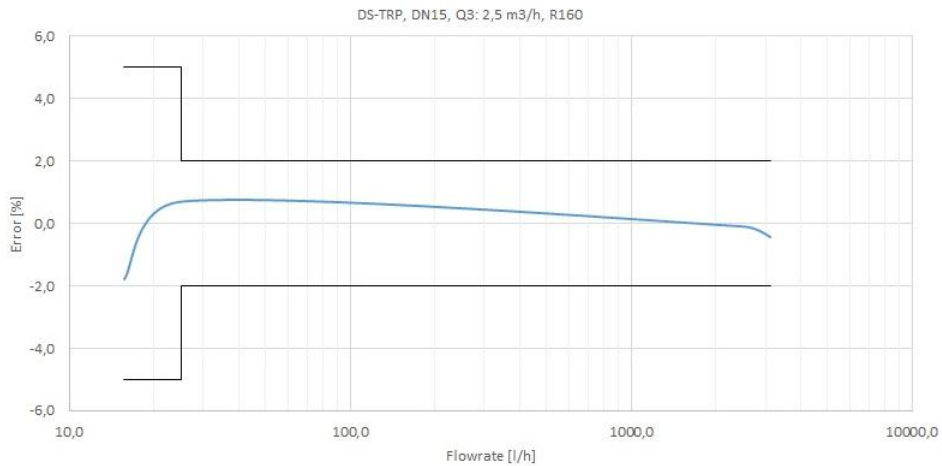
DS TRP

FEATURES

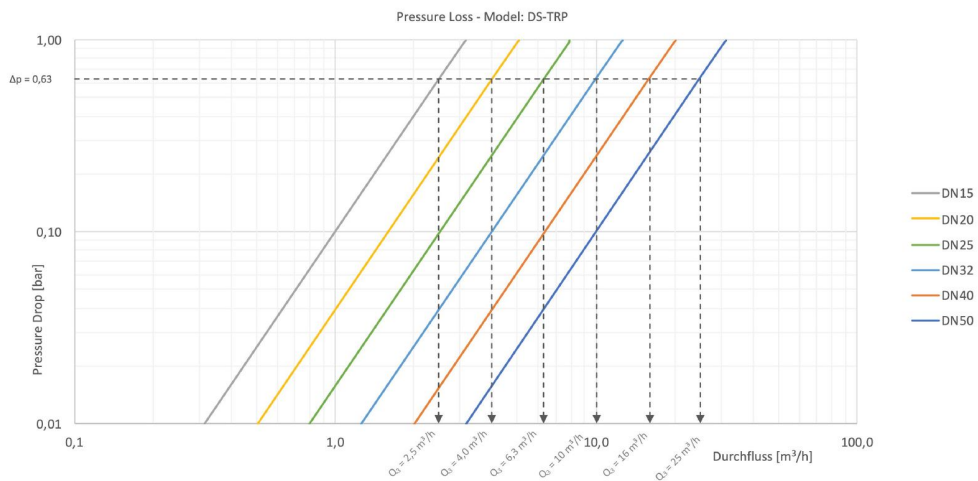
- Protected rollers multi-jet meter for cold water
- Ideal for utilities and outdoor installations
- MID-certified: R max 200
- DN: 15÷50
- Health certifications available for a number of countries
- Mechanical transmission unaffected by external magnetic fields
- Mineral glass lens
- Number rollers, approval class and serial number are located in the protected part
- Pre-equipped for optional reed switch (1P=1-10-100-1000L) or static pulse emitter (1P=1-10L)



TYPICAL ERROR CURVE



HEAD LOSS DIAGRAM



METROLOGICAL PERFORMANCE

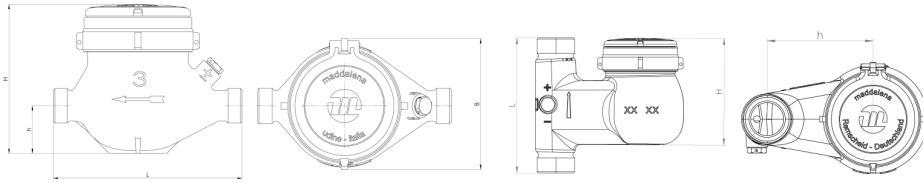
Size	mm	15	20	25	32	40	50
	in	½	¾	1	1 ¼	1 ½	2
Module B no.	TCM 142/08-4604						
Module D no.	0119-SJ-A010-08						
Q₃/Q₁ = R Referred to installation position	H↑ ≤ 200						
MID standard performance *							
Q₃	m³/h	2,5	4	6,3	10	16	25
Q₄	m³/h	3,13	5	7,88	12,50	20	31,25
R	160						
Q₁	l/h	15,63	25	39,38	62,50	100	156,25
Q₂	l/h	25,01	40	63,01	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	T30, T50						
Flow profile sensitivity classes	U0 - D0						
Starting flow rate	l/h	4-5	7-9	16-18	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	1,45	1,61 (H) - 1,71 (V)	2,3	2,4 (H) - 2,14 (V)	7,7 (H) - 6,50 (V)	7,60 - 12,50 (FL)

DIMENSIONS



Size	mm	15	20	25	32	40	50	
	in	½	¾	1	1 ¼	1 ½	2	
Thread	in	G ¾ B	G 1 B	G 1 ¼ B		G 1 ½ B	G 2 B	G 2 ½ B
	L	mm	105 (V) – 110 – 130 – 145 – 105 (V) – 160 160 – 165 – 170 – 190	– 190	220 – 260		200 (V) – 300 (H)	270 – 300
H	mm	112,5		123		143	175	
h	mm	36,5		43		46	55	
B	mm	97				130	154	

COMMUNICATION MODULES



**ARROW^{EVO} 868
SPLIT**



**ARROW^{WAN} 169
SPLIT**



**ARROW^{WAN} 868
SPLIT**



**ARROW^{WAN} NB-IoT
SPLIT**



QUADRAPLUS



REED SWITCH

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