

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.



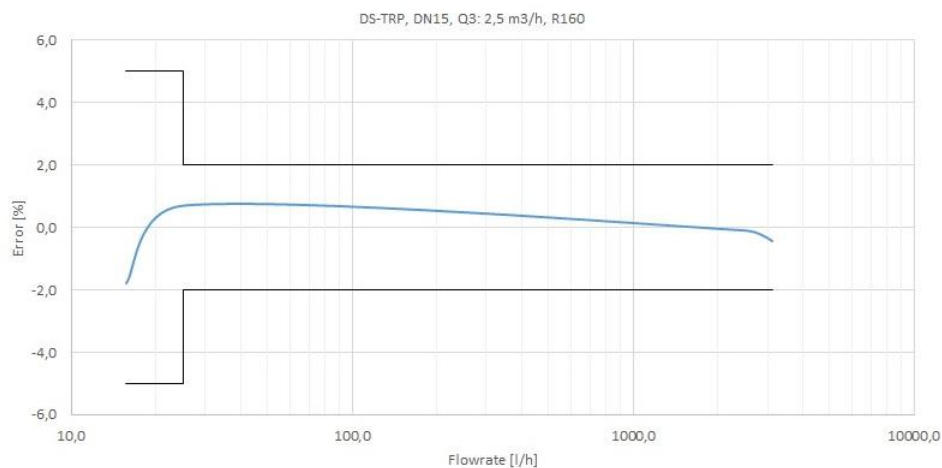
DS TRP

FEATURES

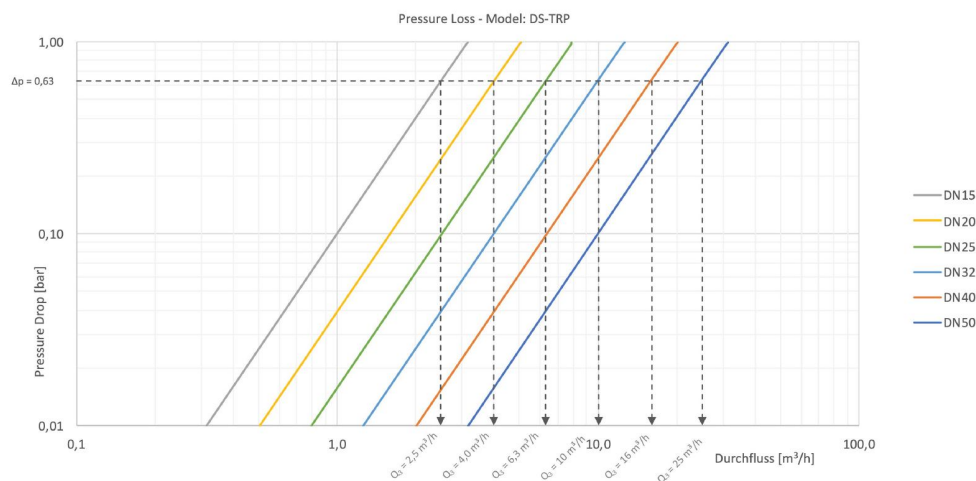
- Protected rollers multi-jet meter for cold water
- Ideal for utilities and outdoor installations
- MID-certified: R max 200
- DN: 15÷50
- Health certifications available for a number of countries
- Mechanical transmission unaffected by external magnetic fields
- Mineral glass lens
- Number rollers, 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

$Q_3/Q_1 = R$
Referred to installation position $H \uparrow \leq 200$

MID standard performance *

Q_3	m³/h	2,5	4	6,3	10	16	25
Q_4	m³/h	3,13	5	7,88	12,50	20	31,25

R **160**

Q_1	l/h	15,63	25	39,38	62,50	100	156,25
Q_2	l/h	25,01	40	63,01	100	160	250

* Other values of R available upon request.

TECHNICAL DATA

Maximum permissible error
between Q_1 and Q_2 (excluded) $\pm 5\%$

Maximum permissible error
between Q_2 (included) and Q_4 $\pm 2\%$ with water temperature $\leq 30^\circ\text{C}$
 $\pm 3\%$ with water temperature $> 30^\circ\text{C}$

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
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Head loss ΔP_{63}

Nominal pressure bar 16

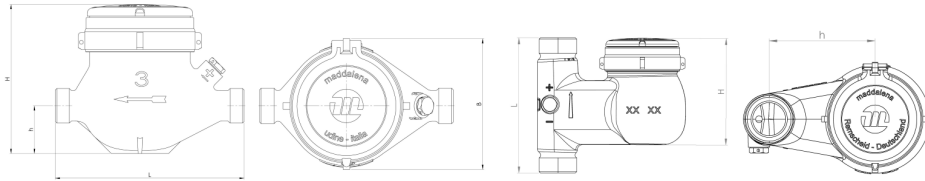
Maximum reading m³ 99.999 999.999

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 – 160 – 165 – 170 – 190	105 (V) – 160 – 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
SPLITARROW^{WAN} 169
SPLITARROW^{WAN} 868
SPLITARROW^{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

