



maddalena[®]
METERING EXPERTISE

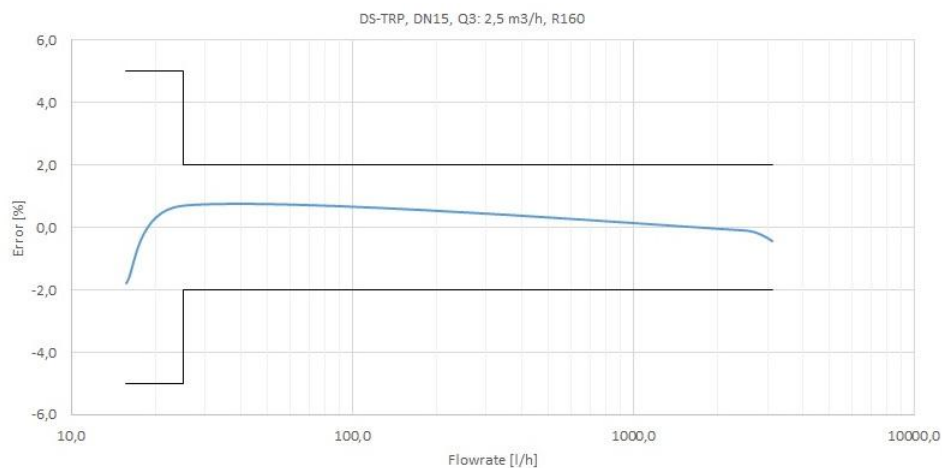
DS TRP

FEATURES

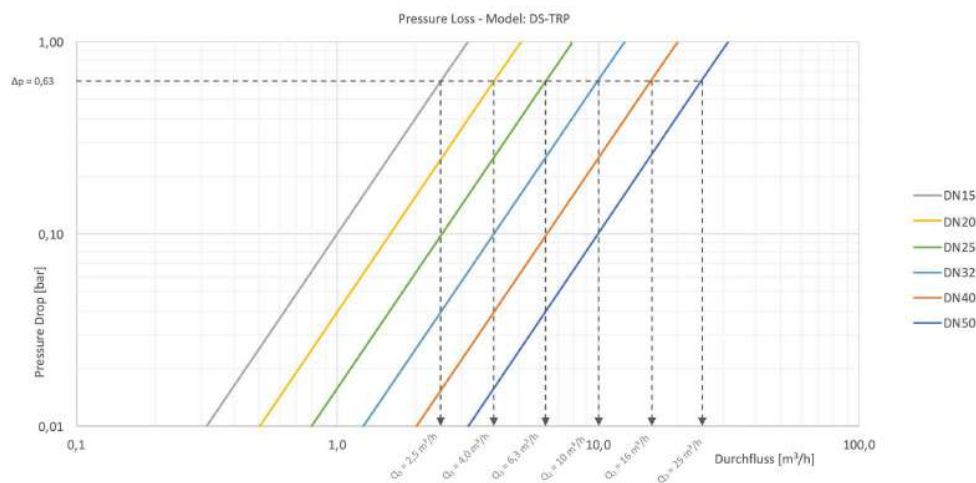
- Protected rollers multi-jet meter for cold water
- Ideal for utilities and outdoor installations
- MID-certified: R max 200
- DN: 15÷50
- Health certifications available for a number of countries
- Mechanical transmission unaffected by external magnetic fields
- Mineral glass lens
- Number rollers,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

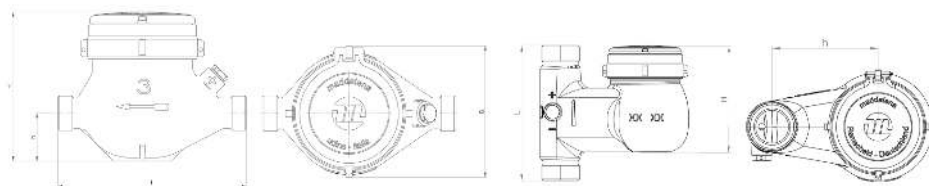
Nominal pressure bar 16

Maximum reading	m³	99.999	999.999
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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)
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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 – 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
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

