



SISMA

G. GIOANOLA

METERING EFFICIENCY

IDRO-OLONA

DRY DIAL



MODELS

IARF/15 - IARF/20 - IARF/25 - IARF/32 - IARF/40 -
OARF/50

IARC/15 - IARC/20 - IARC/25 - IARC/32 - IARC/40 -
OARC/50



- ❖ Multi-jet turbine water meter, straight reading
- ❖ Mod. IARF-OARF DRY dial, measuring range R80, for use with turbid and calcareous water and in hard water areas, temperature class T50
- ❖ Mod. IARC-OARC DRY dial, measuring range R80, for use with turbid and calcareous water and in hard water areas, temperature class T90
- ❖ **U0-D0**: Straight pipe not required upstream or downstream of meter
- ❖ **MID** approved according to European Directive 2014/32CE (module B + D) in compliance with the norms **ISO 4064**, **EN 14154** and **OIML R49**
- ❖ All models are certified for use with potable water in accordance with the Italian ministerial decree **D.M. 174** in compliance with the European Directive 98/83CE (Drinking Water Directive)
- ❖ All models are may be supplied with a pulse-emitting device **or pre-equipped to retrofit a pulse-emitting device**, upon request.
- ❖ Suitable for horizontal and vertical installation.

MODELS:

Nominal size mm -inches		15 - 1/2	20 - 3/4	25 - 1	32 - 1.1/4	40 - 1.1/2	50 - 2	
Q ₃	Permanent flow rate	m ³ /h	2,5	4,0	6,3	10	16	25
Q ₄	Overload flow rate	m ³ /h	3,125	5,0	7,875	12,5	20	31,250
Q ₂	Transitional flow rate with measuring range R80H [MPE ±2%]	l/h	50	80	126	200	320	500
Q ₁	Minimum flow rate with measuring range R80H [MPE ±5%]	l/h	31,25	50	78,75	125	200	312,5
S	Starting flow at measuring range R80H	l/h	8	10	19	19	40	40
	Accuracy class		2	2	2	2	2	2
	Environmental class		C	C	C	C	C	C
ΔP	Pressure loss class	bar	0,63	0,63	0,63	0,63	0,63	0,63
MAP	Maximum allowed working pressure	bar	16	16	16	16	16	16
	Dial register from/to	m ³	0,0001/100.000	0,0001/100.000	0,0001/100.000	0,0001/100.000	0,0001/100.000 o 1.000.000	
A	Meter lenght without couplings	mm	110-115 130-145 165-170 190	160-165 190	160-220- 260	160-220- 260	300	300
	Meter lenght with couplings	mm	190-195 210-225 245-250 270	260-265 290	320-360	320-360	440	460
B	Maximum diameter	mm	96	96	100	100	136	136
C	Height with open lid	mm	185	185	200	200	210	220
D	Height with closed lid	mm	130	130	145	145	155	165
E	Height of tube	mm	35	35	40	40	60	70
	Weight with couplings	kg	1,650	1,800	3,200	3,500	6,100	9,700
	Weight without couplings	kg	1,500	1,550	2,750	2,800	5,100	7,400
	Threaded connections		G3/4" x R1/2"	G1" x R3/4"	G1"1/4 x R1"	G1"1/2 x R1"1/4"	G2" x R1"1/2"	G 2"1/2 x R2"

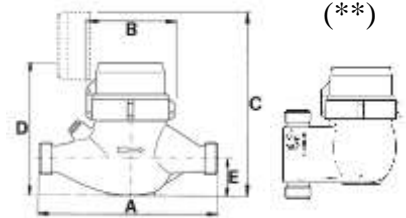
Temperature class T50 DRY dial

IARF/15 DN 15
IARF/20 DN 20
IARF/25 DN 25
IARF/32 DN 32
IARF/40 DN 40
OARF/50 DN 50

Temperature class T90 DRY dial

IARC/15 DN 15
IARC/20 DN 20
IARC/25 DN 25
IARC/32 DN 32
IARC/40 DN 40
OARC/50 DN 50

N.B. Different "R" values available upon request



The Company's policy is one of continuous product improvement and the right is reserved to modify the specification contained herein without notice. Illustrations are not binding 02-25

PULSED WATER METER



REED SWITCH PULSE EMITTER TECHNICAL DATA

- Maximum supply voltage applicable to the circuit: 24V-0,2A
- Standard length of cable supplied: 2 mt

PULSE VALUES K

- Numbers of liters per pulse available (to stated when ordering): 0,25 – 0,5 – 1 – 2,5 – 5 – 10 – 25 – 50 – 100 – 250 – 500 – 1000

M-BUS OPTION

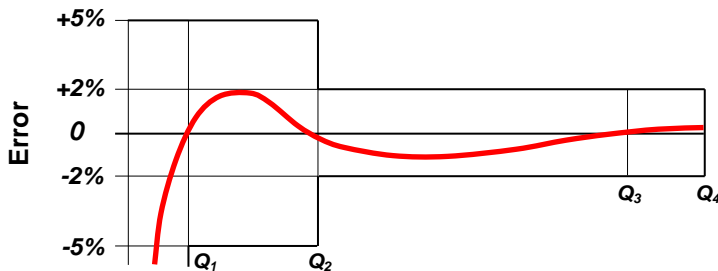
Model ADAPTO (to purchase separately): adapter to convert the signal generated by the reed sensor into a M-Bus signal.(refer to page 42)

AVAILABLE OPTIONS

- All models can be fitted with a non-return valve on request;
- The serial number (also under "barcode" format) can be engraved on the dial;
- Version with internal teflon-coated case for demineralized water available (see pag 34);
- On request, version with housing dimensioned for vertical pipelines DN20, rising flow, with flow rates Q₃ = 2,5 or Q₃ = 4,0 and length 106 mm;
- All Models can be supplied on request prepared or equipped with inductive or Hall effect capturing sensor
- All models can be supplied complete with radio module for remote reading with **LoRaWAN™** protocol for fixed network and **LoRA** for walk-by/drive-by, frequency **868MHz Wireless M-Bus OMS, NB-Ic**



TYPICAL ERROR CURVE



HEADLOSS DIAGRAM

