



SISMA

G. GIOANOLA

METERING EFFICIENCY

IDRO-OLONA

WET DIAL



MODELS
IBRF/15 - IBRF/20 - IBRF/25 - IBRF/32 - IBRF/40
OBRF/50



- ❖ Multi-jet turbine water meter, straight reading on 5 numbered drums
- ❖ Model IBRF-OBRF WET dial, measuring range starting from R80, for use with clear water, temperature class T50
- ❖ **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 can be supplied upon request with a pulse-emitting device or **pre-equipped** for the installation of data communication modules
- ❖ Horizontal and vertical installation positions

DN calibro mm - pollici		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
Q ₂	Transitional flow rate with measuring range R160H [MPE ±2%]	l/h	25	40	63	100	160	250
Q ₁	Minimum flow rate with measuring range R160H [MPE ±5%]	l/h	15,63	25	39,38	62,5	100	156,25
S	Starting flow at measuring range R80H	l/h	8	10	19	19	40	40
S	Starting flow at measuring range R160H	l/h	4	6	10	10	15	20
	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	0,0001/1.000.000
A	Meter lenght without couplings	mm	110-115 130-145 165-170 190	130-160 165-190	160-220- 260	160-220- 260	300	300
	Meter lenght with couplings	mm	190-195 210-225 245-250 270	230-260 265-290	320-360	320-360	340-440	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	105	105	120	120	130	140
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"

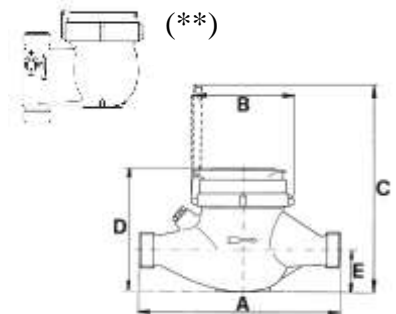
MODELS:

Temperature Class T50 WET dial

IBRF/15 DN 15
IBRF/20 DN 20
IBRF/25 DN 25
IBRF/32 DN 32
IBRF/40 DN 40
OBRF/50 DN 50

Different "R" values available upon request:

- Up to R200H from DN15 to DN40 and up to R315H for DN 20 and DN 50
- Up to R63V from DN 15 to DN 50



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

- Number of litres per pulse available (to be stated when ordering):
1 - 10 - 100 - 1000

M-BUS OPTION

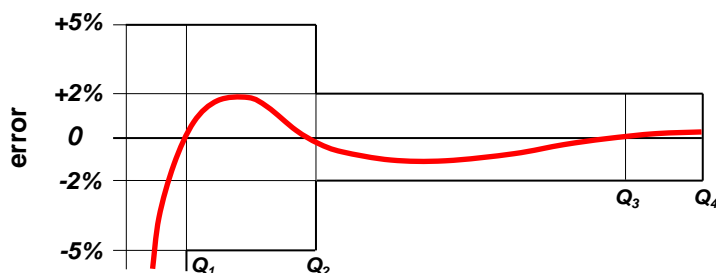
Mod. ADAPTO (to purchase separately): adapter to convert the signal generated by the reed sensor into a M-Bus signal. (refer to page 42)

AVAILABLE OPTIONS

- All models can be fitted with a non-return valve on request;
- The serial number (also in "bar code" format) can be engraved on the dial;
- On request, version with housing dimensioned for vertical DN20 pipelines, rising flow, with flow rates Q3 = 2.5 or Q3 = 4.0 and length 106 mm;
- Plexiglass glass with magnifying glass effect;
- 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 TM protocol for fixed network and LoRA for walk-by/drive by, frequency 868Mhz Wireless M-Bus OMS, NB-Iot.



TYPICAL ERROR CURVE



HEADLOSS DIAGRAM

