

## DOMUS

WET DIAL



### MODELS

DBRF/15 - DBRF/20 - DBRF/25 - DBRF/32 - DBRF/40  
 DBRC/15 - DBRC/20 - DBRC/25 - DBRC/32 - DBRC/40



- ❖ Single jet water meter, straight reading on 5 numbered drums, complete with 360° rotating lid
- ❖ Model DBRF WET dial measuring range starting from R80, for clean waters, temperature class T50
- ❖ Model DBRC WET dial, measuring range starting from R80, for clean waters, 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 can be supplied upon request with a pulse-emitting device or **pre-equipped** for the installation of data communication modules
- ❖ Supports horizontal and vertical installation position

Nominal size of the meter			15 - 1/2*	20 - 3/4	25 - 1	32 - 1.1/4	40 - 1.1/2
Q <sub>3</sub>	Permanent flow rate	m <sup>3</sup> /h	2,5	4,0	6,3	10	16
Q <sub>4</sub>	Maximum flow rate for short period	m <sup>3</sup> /h	3,125	5,0	7,875	12,5	20
Q <sub>2</sub>	Transitional flow rate with measuring range R80H [MPE ±2%]	l/h	50	80	126	200	320
Q <sub>1</sub>	Minimum flow rate with measuring range R80H [MPE ±5%]	l/h	31,25	50	78,75	125	200
Q <sub>2</sub>	Transitional flow rate with measuring range R160H [MPE ±2%]	l/h	25	40	63	100	160
Q <sub>1</sub>	Minimum flow rate with measuring range R160H [MPE ±5%]	l/h	15,63	25	39,38	62,5	100
S	Accuracy at measuring range R80H	l/h	10	15	20	20	25
S	Accuracy at measuring range R160H	l/h	5	8	8	13	18
	Accuracy class		2	2	2	2	2
	Environmental class		C	C	C	C	C
ΔP	Pressure loss class	bar	0,63	0,63	0,63	0,63	0,63
MAP	Maximum allowed working pressure	bar	16	16	16	16	16
	Dial register from/to	m <sup>3</sup>	0,0001/100.000	0,0001/100.000	0,0001/100.000	0,0001/100.000	0,0001/100.000
A	Lenght without couplings	mm	110-115	130	160	160	200
	Lenght with couplings	mm	190-195	228	260	280	340
B	Maximum diameter	mm	80	80	100	100	110
C	Height with open lid	mm	150	150	185	185	200
D	Height with closed lid	mm	83	83	103	103	120
E	Height of tube	mm	24	24	34	34	42
	Weight with couplings	kg	0,850	1,100	1,750	2,000	3,460
	Weight without couplings	kg	0,690	0,860	1,280	1,330	2,420
	Threaded connection		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"

\* Special model with body lenght 115 mm 3/4" x 3/4" or 3/4" x 7/8" threaded available upon request

## MODELS:

### Temperature Class T50

#### Wet dial

DBRF/15 DN 15  
DBRF/20 DN 20  
DBRF/25 DN 25  
DBRF/32 DN 32  
DBRF/40 DN 40

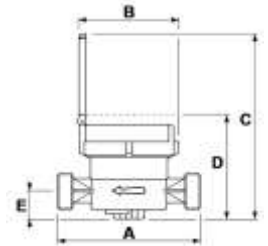
### Temperature Class T90

#### Wet dial

DBRC/15 DN 15  
DBRC/20 DN 20  
DBRC/25 DN 25  
DBRC/32 DN 32  
DBRC/40 DN 40

### "R" values available upon request:

- Up to R250H
- Up to R160V



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 m

### PULSE VALUES K

- Number of liters per pulse available (pulse value must be stated when ordering):  
1 - 10 - 100 - 1000

### M-BUS OPTION

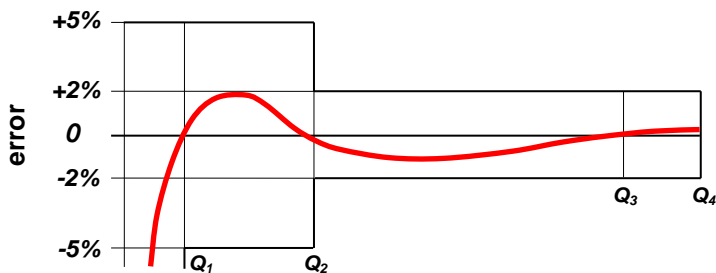
Mod. ADAPTO (to purchase separately): adapter to convert the signal generated by the reed sensor into a M-Bus signal (refer to page. 42).

## AVAILABLE OPTIONS

- Models DN15 and DN20 can be fitted, on request, with non-return valve;
- The serial number (also under "barcode") can be laser engraved on the dial;
- Models DN15 and DN20 are available, on request, with chromed body.
- All models can be supplied pre-equipped or fitted with PSI inductive sensor or Hall effect sensor
- All models can be supplied with radio module for remote reading based on LoRaWAN™ protocol for fixed network and LoRA protocol for walk-by/drive by, 868MHz Wireless M-Bus OMS, NB-IoT.



## TYPICAL ERROR CURVE



## HEAD LOSS DIAGRAM

