SISMA

# G. GIOANOLA

METERING EFFICIENCY

# DOMUS

## WET DIAL

MADE IN ITALY SINCE 1960

**MODELS**

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

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

CE MID

- 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 classes T30 and T50
- Model DBRC WET dial, measuring range starting from R80, for clean waters, temperature classes T70 and 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

# DOMUS

## WET DIAL

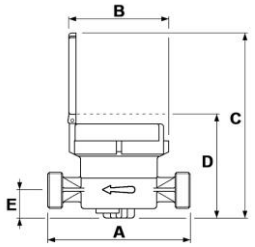
| Nominal size of the meter | | | 15 - 1/2* | 20 - 3/4 | 25 - 1 | 32 - 1.1/4 | 40 - 1.1/2 |
|---|---|---|---|---|---|---|---|
| **$Q_3$** | **Permanent flow rate** | **m³/h** | **2,5** | **4,0** | **6,3** | **10** | **16** |
| $Q_4$ | Maximum flow rate for short period | m³/h | 3,125 | 5,0 | 7,875 | 12,5 | 20 |
| $Q_2$ | Transitional flow rate with measuring range R80H [MPE ±2%] | l/h | 50 | 80 | 126 | 200 | 320 |
| $Q_1$ | Minimum flow rate with measuring rangeR80H [MPE ±5%] | l/h | 31,25 | 50 | 78,75 | 125 | 200 |
| $Q_2$ | Transitional flow rate with measuring range R160H [MPE ±2%] | l/h | 25 | 40 | 63 | 100 | 160 |
| $Q_1$ | 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 | m³ | 0,0001/ 100.000 | 0,0001/ 100.000 | 0,0001/ 100.000 | 0,0001/ 100.000 | 0,0001/ 100.000 |
| | Lenght without couplings | mm | 110-115 | 130 | 160 | 160 | 200 |
| A | Lenght with couplings | mm | 190-195 | 228 | 260 | 280 | 340 |
| | Maximum diameter | mm | 80 | 80 | 100 | 100 | 110 |
| B | Height with open lid | mm | 150 | 150 | 185 | 185 | 200 |
| C | Height with closed lid | mm | 83 | 83 | 103 | 103 | 120 |
| D | Height of tube | mm | 24 | 24 | 34 | 34 | 42 |
| E | 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 |
| | | | | | | | |

* 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 T30-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 T70-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**






## 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

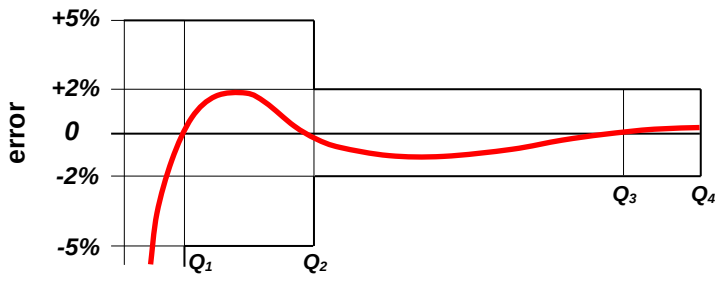
**M-BUS OPTION**
Mod. ADAPTO (to purchase separately): adapter to convert the signal generated by the reed sensor into a M-Bus signal (refer to page. 38).

## AVAILABLE OPTIONS

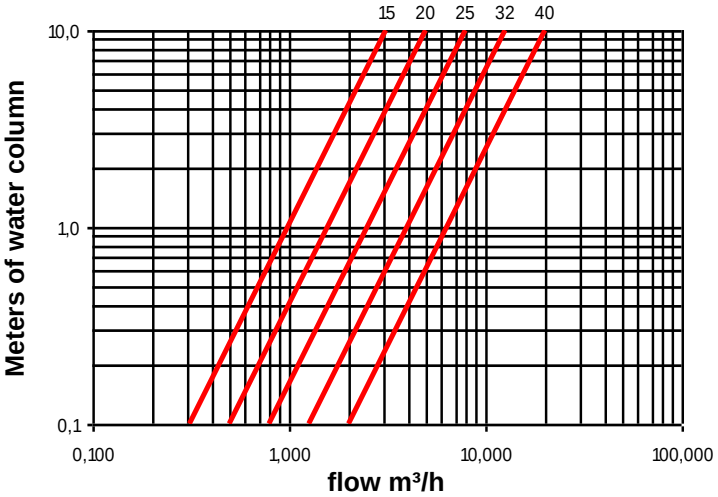
- Models DN15 and DN20 can be fitted, on request, with non-return valve;
- The serial number (also under "barcode") can be laser engraved on the dial;
- Models DN15 and DN20 are available, on request, with chromed body.
- All models can be supplied pre-equipped or fitted with PSI inductive sensor or 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**.

LoRaWAN M-Bus wireless OMS NB-IoT

## TYPICAL ERROR CURVE




## HEAD LOSS DIAGRAM



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