



SISMA

# G. GIOANOLA

METERING EFFICIENCY

## DOMUS

DRY DIAL



### MODELS

**DARF/15 - DARF/20 - DARF/25 - DARF/32 - DARF/40**  
**DARC/15 - DARC/20 - DARC/25 - DARC/32 - DARC/40**



- ❖ Single jet turbine water meter, straight reading on 5-digit roller counter
- ❖ DARF model DRY dial, measuring range R80, for turbid, calcareous water with suspended sediments temperature class T50
- ❖ DARC model DRY dial, measuring range R80, for turbid, calcareous water with suspended sediments temperature class T90
- ❖ Ideal for installation in areas with highly variable changes in pressure
- ❖ **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** of 6/4/ 2004 in compliance with European Directive 98/83 CE (Drinking Water Directive)
- ❖ Models DN 25 DN 32 and DN 40, upon request, can be supplied **fitted with a pulse-emitting device** or pre equipped for data communication modules
- ❖ Horizontal and vertical installation positions

DN size mm - inches		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 a short period	m <sup>3</sup> /h	3,125	5,0	7,875	12,5	20
Q <sub>2</sub>	Transitional flow rate range R80 [MPE ±2%] with measuring	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
S	Accuracy at measuring range R80H	l/h	10	15	20	20	25
	Accuracy class		2	2	2	2	2
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	Meter lenght without couplings	mm	110-115	130	160	160	200
	Meter 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	175	175	185	185	195
D	Height with closed lid	mm	108	108	128	128	142
E	Height of tube	mm	24	24	34	34	42
	Weight with couplings	kg	1,050	1,250	1,850	2,150	3,540
	Weight without couplings	kg	0,890	1,010	1,380	1,440	2,500
	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"

## MODELS:

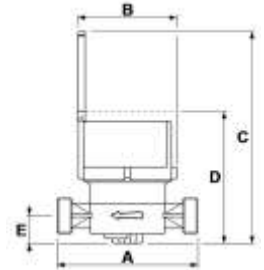
### Temperature Class T50 DRY dial

DARF/15 DN 15  
DARF/20 DN 20  
DARF/25 DN 25  
DARF/32 DN 32  
DARF/40 DN 40

### Temperature Class T90 DRY dial

DARC/15 DN 15  
DARC/20 DN 20  
DARC/25 DN 25  
DARC/32 DN 32  
DARC/40 DN 40

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 (DN25-32-40)



### REED SWITCH PULSE EMITTER TECHNICAL DATA

- Maximum supply voltage applicable to the circuit: 24V-0,2A
- Standard lenght 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

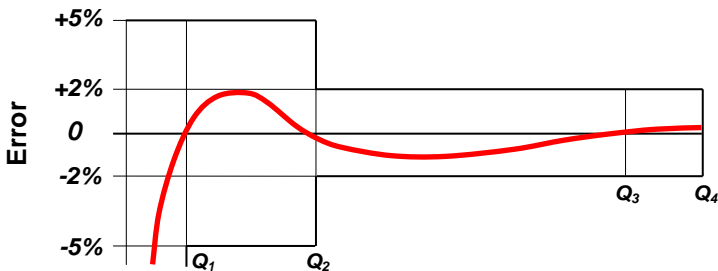
Model ADAPTO (to purchase separately): adapter to convert the signal generated by the reed sensor into a M-Bus signal. (refer to page 42)

## AVAILABLE OPTIONS

- The serial number (also under "barcode") can be indelibly engraved on the dial;
- Glass wiper available upon request.
- All models, on request, can be supplied with radio communication modules: LoRaWan™ for fixed network and LoRa for Walk-by/Drive-by, Freq.868Mhz Wireless M-Bus (OMS), NB-IoT



## TYPICAL ERROR CURVE



## HEAD LOSS DIAGRAM

