



SISMA

G. GIOANOLA

METERING EFFICIENCY

SUPER DRY

360° ROTATING COUNTER FOR
EASY READING
DRY DIAL



MODELS

USF/15 – USC/15 USF/20 – USC/20
USF-8/15 – USC-8/15 USF-8/20 – USC-8/20



USF-PI/15 e USC-PI/15
USF-PI/20 e USC-PI/20 radio
integration pre-equipped



- ❖ Single jet water meter, straight reading on 5 numbered drums or on 8 numbered drums: 5 black for cubic meters and 3 red for liters
- ❖ DRY dial suitable for use with turbid and calcareous water and in hard water areas - 360° rotating dial for easy reading in any position
- ❖ Plastic lid available upon request / Glass wiper available upon request
- ❖ Models USF and USF-8 DN 15 and DN 20, temperature class T50
- ❖ Models USC and USC-8 DN 15 and DN 20, temperature class T90
- ❖ Models USF-PI DN 15 and DN 20, temperature class T50 and models USC-PI DN 15 and DN 20, temperature class T90 inductive pre-equipped K=1
- ❖ Models USF-SA and USF-8-SA DN 15 and DN 20 models, temperature class T50, are equipped with water volume increase compensation system when frosting
- ❖ **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
- ❖ May be installed in any position

SUPER DRY

5-8 rolls

DN nominal size mm -inches		15 - 1/2*	20 - 3/4	
Q ₃	Permanent flow rate	m ³ /h	2,5	4,0
Q ₄	Overload flow rate	m ³ /h	3,125	5,0
Q ₂	Transitional flow rate at measuring range R80 [MPE ±2%]	l/h	50	80
Q ₁	Min flow rate Q1 at measuring range R80 [MPE ±5%]	l/h	31,25	50
S	Starting flow at measuring range R80H	l/h	5	8
	Accuracy class		2	2
ΔP	Pressure loss class	bar	0,63	0,63
MAP	Maximum allowed working pressure	bar	16	16
	Dial register from/to	m ³	0,0001 / 100.000	0,0001 / 100.000
A	Lenght without couplings	mm	110-80 115-170	130
	Lenght with couplings	mm	190-160 195-250	228
B	Maximum diameter	mm	72	72
C	Height with open lid	mm	138	143
D	Height with closed lid	mm	70	74
E	Height of tube	mm	16	19
	Weight with couplings	kg	0,660	0,840
	Weight without couplings	kg	0,500	0,600

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

MODELS:

Temperature Class T50

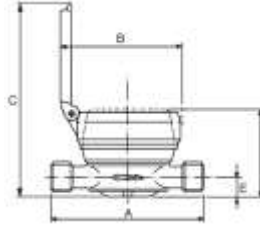
USF/15 DN 15 USF/20 DN 20
USF-8/15 DN 15 USF-8/20 DN 20

Temperature Class T90

USC/15 DN 15 USC-8/15 DN 15
USC/20 DN 20 USC-8/20 DN 20

Temperature Class T50

System that compensates the water increase when frosting
USF-SA/15 DN 15
USF-8-SA/15 DN 15
USF-SA/20 DN 20
USF-8-SA/20 DN 20



- All models, on request can be supplied preset or fitted with inductive sensor
- All models, on request, can be supplied with radio communication modules: LoRaWan™ for fixed network and LoRa for Walk-by/Drive-by, Freq.868 Mhz Wireless M-Bus (OMS), NB-Iot

LoRaWAN M-Bus OMS NB-IOT



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



Front-mounted reed

REED SWITCH PULSE EMITTER TECHNICAL DATA

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



Side-entry reed

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

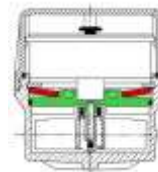
M-BUS OPTION

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

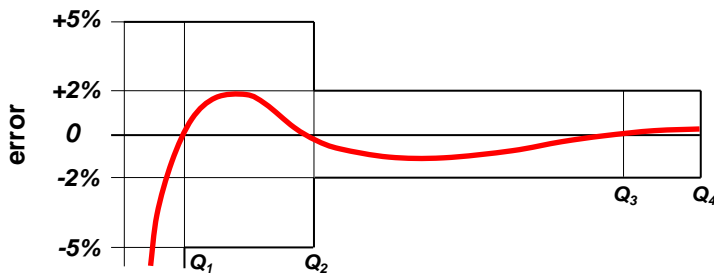
- Equipped with a non-return valve on request;
- The serial number (also in "barcode" format) can be engraved on the dial;
- Chrome-plated body available upon request
- Version with internal teflon-coated case for demineralized water available;
- Pre-equipped or fitted with wired or radio communication module
- M-Bus cable and M-Bus Wireless.

FROST COMPENSATION SYSTEM



The water volume increase is absorbed by the Bauer Spring which will bring to normal conditions the pressure plate after de-frost, keeping unchanged the measuring accuracy

TYPICAL ERROR CURVE



HEAD LOSS DIAGRAM

