



SISMA

G. GIOANOLA

METERING EFFICIENCY

DIGITAL VOLUMETRIC UP TO R1000

MODELS
SVIF/15 W+LR -
SVIF/20 W+LR



- ❖ Digital volumetric meter with rotating piston, direct reading, 360° rotatable electronic dial **with LCD display**
- ❖ Model SVIF W+LR available in DN15 and DN20 sizes, with a maximum measurement range of R1000 in both horizontal and vertical orientations, for clean water, temperature class T50, equipped with an 868 MHz radio module for remote reading using the certified **LoRaWAN protocol and 868 MHz Wireless M-Bus**, with a single OMS or combined with an **automatic switch**
- ❖ **U0-D0**: No straight pipe required upstream or downstream of the meter
- ❖ All models **are MID-approved** (Module B+D), in accordance with **ISO 4064** and **OIML R49**
- ❖ All models are certified for use with drinking water in accordance with **Ministerial Decree 174**
- ❖ All models can be supplied, on request, with a composite housing or a brass housing, and are extremely quiet (<20 dB) and compact for their category
- ❖ Suitable for horizontal and vertical installation

VOLUMETRIC

DN size mm – inches			15 - 1/2	20 – 3/4
Material			Composite / Brass	Brass
Q ₃	Permanent flow rate	m ³ /h	2,5	4
Q ₄	Overload flow rate	m ³ /h	3,125	5
Q ₂	Transition flow rate measuring range R500 [MPE ±2%]	l/h	8	12.8
Q ₁	Minimum flow rate measuring range R500[MPE ±5%]	l/h	5	8
S	Starting flow with measurement range R800/R315	l/h	0.5	0,5
Accuracy class			2	2
Environmental class			C	C
ΔP	Pressure loss class	bar	0,63	0,63
MAP	Maximum permissible operating pressure	bar	16	16
Minimum/maximum dial display range			0,0001/ 100.000	0,0001/ 100.000
L	Length of the meter excluding fittings	mm	110-115-145 165-170	130 - 190
Length of the meter including fittings			190-195 210-225-250	228 - 270
B	Maximum overall diameter	mm	98.5	98,5
H	Maximum height of standard model	mm	106	113
H1	Maximum height pulsed output version	mm	140	145
Weight including fitting kit			1,2	1,8
Weight excluding fittings			1	1,5
Threaded connection			G3/4" x R1/2"	G1" x R3/4"

MODELS:

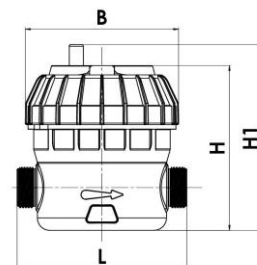
Temperature classes T50

SVIF/15 W+LR DN 15

COMPOSITE

SVIF/15 W+LR DN 15 BRASS

SVIF/20 W+LR DN 20 BRASS



AVAILABLE OPTIONS

- All models can be fitted with a non-return valve on request;
- Optional filter on inlet
- Resin coating on request
- Models fitted with NB-IoT radio module



We reserve the right to amend the technical specifications, dimensions and weights stated in this technical data sheet at any time without prior notice. The illustrations are for illustrative purposes only. 03-26

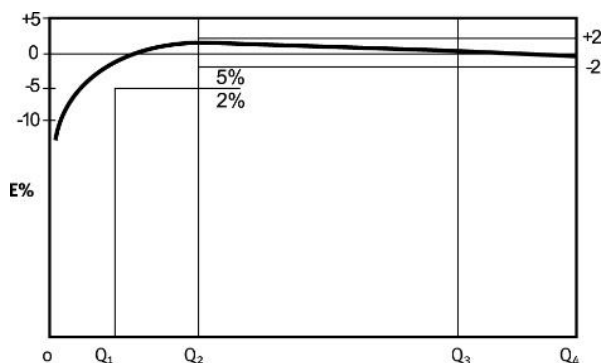
Technical specifications of the LoRaWAN protocol

	Fixed network
Network type	Freq. 868 MHz, LoRaWAN protocol
Data transmitted	Sensor ID, consumption data, hardware status, battery level, alarms: mechanical tampering (removal), reverse flow, low battery, on-site temperature leaks, on request
Edit configuration data	Can be accessed remotely via a landline or via a radio terminal
Flexibility	It automatically switches between the two settings according to the schedule
Activation	OTAA-ABP
Transmission interval	1 daily reading and 2 daily history reports
Transmission distance	Up to 14 km in ideal conditions

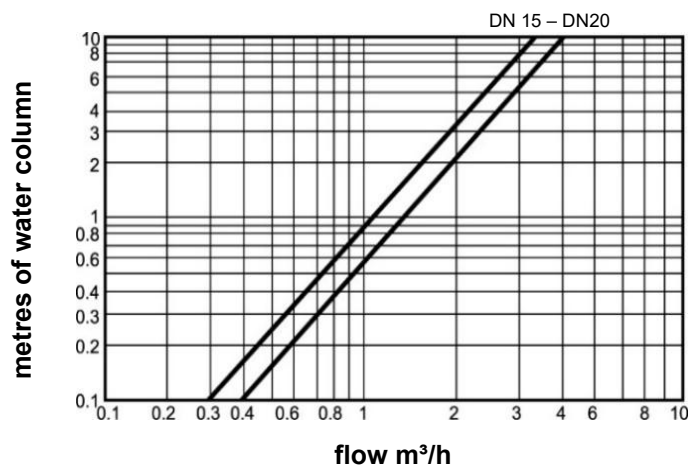
Technical specifications of the OMS Wireless-Mbus protocol

	Walk-by/Drive-by
Network type	868 MHz W-MBus, OMS-certified
Data transmitted	Sensor ID, consumption data, hardware status, battery level, alarms: tampering (removal), reverse flow, low battery, leaks, on-site temperature (on request)
Edit configuration data	Available via radio terminal
Transmission distance	Up to 500 metres in ideal conditions

TYPICAL ERROR CURVE



HEAD LOSS DIAGRAM



G. GIOANOLA

Contatori d'acqua e di calore SISMA - www.gioanola.it

Strada Alessandria, 50 - 14049 NIZZA M.TO (AT) - ITALY - Tel +39 0141 793536 - Fax +39 0141 702757 - E-mail info@gioanola.it