

# G. GIOANOLA



**WIRELESS M-BUS  
SUPER DRY  
METER**



- ❑ 360° rotating dry dial single jet
- ❑ Model USF-8 WMB R80 for cold water T30
- ❑ Model USC-8 WMB R80 for hot water T90
- ❑ **Fitted with radio module WMB Wireless M-Bus 868 MHz**
- ❑ Direct reading on 8 digit rolls
- ❑ Measuring range R80H/R50V
- ❑ Transmission mode T1 on 868 MHz frequency
- ❑ Supporting OMS standard (Opening Metering System)
- ❑ It can manage an AES 128 data cryptography.
- ❑ Battery life 12 years + back up power (depending on operating conditions)
- ❑ Radio module protection grade: IP 54 (alternatively IP67 available on request)
- ❑ Radio module can be pre-set for inductive pulse output
- ❑ In compliance with Wireless Mbus EN 13757-4 standards
- ❑ MI001 approved according to Directive 2004/22/EC
- ❑ Optional version: only pre-set for radio module (USF-P-8 WMB / USC-P-8 WMB) and/or nickelled body



USF-P WMB

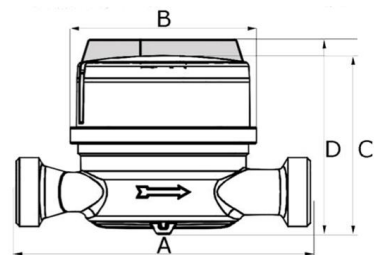
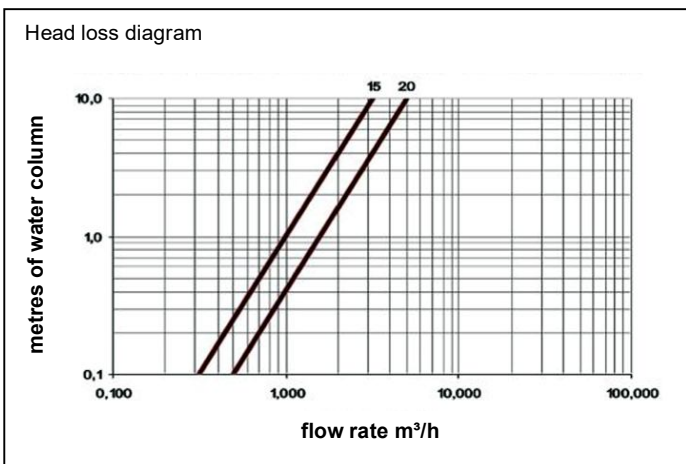


USC-P WMB



WMB radio module

TECHNICAL DATA	DN	15	20
Max flow rate for short period Q4	m <sup>3</sup> /h	3,125	5,0
Permanent flow rate Q3	m <sup>3</sup> /h	2,5	4,0
Transitional flow rate Q2 R80H	l/h	50	80
Min flow rate Q1 R80H	l/h	31,25	50
Starting flow R80H	l/h	8	15
Measuring range Q3/Q1		R80H - R50V	R80H - R50V
Max allowed working pressure MAP	bar	16	16
Flow rate at 1 bar of head loss	l/h	3200	3200
Minimum reading unit	l	0,05	0,05
Maximum possible reading	m <sup>3</sup>	100.000	100.000
Length without couplings A	mm	110 (80)	130
Length with couplings	mm	190 (160)	228
Max diameter B	mm	76	76
Height of meter pre-set for radio module C	mm	69	69
Height of meter with radio module D	mm	79	79
Weight with couplings	Kg ~	0,66 (0,61)	0,95
Weight without couplings	Kg ~	0,5 (0,45)	0,70
Thread connection		G3/4" x	G1" x R3/4"
Radio module operating temperature (min/max)	°C	0 ... 60	0 ... 60
Radio module storage temperature (min/max)	°C	-20 ... 50	-20 ... 50



The company's policy is one of continuous product improvement and the right is reserved to modify the specifications contained herein without notice. 02-18



**G. GIOANOLA SISMA meters**

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