



 Made in ITALY

Mod. UND-R80 / ACU-R80
DN 25 – 32 – 40



Mod. SFU-R80 / SCU-R80
DN 15 - 20

UND

- Single-jet meter, direct reading
- DRY dial for turbid and greatly calcareous waters (mod.SFU/SCU are fitted with 360° rotating dial for easy reading, and on request, available with or without lid, with or without glass wiping)
- Mod. SFU-R80, DN 15 – 20, temperature classes T30 and T50, measuring range R80
- Mod. SCU-R80, DN 15 – 20, temperature classes T70 and T90, measuring range R80
- Mod. UND-R80, DN 25 – 32 – 40, temperature classes T30 and T50, measuring range R80
- Mod. ACU-R80, DN 25 – 32 – 40, temperature classes T70 and T90, measuring range R80
- U0-D0: straight pipe not required upstream or downstream the meter
- All models can be customised with a **serial number and its relevant barcode indelibly engraved on the dial**
- All models are **MID** approved according to the current European Directive (module B+D) and in compliance with the norms **EN 14154** and **OIML R49**, reaching an **R (Q₃/Q₁) ≤ 125**
- All models are certified for use with water for human consumption, according to the **D.M. 174** of 6/4/ 2004 in compliance with European Directive 98/83 CE (Drinking Water Directive)

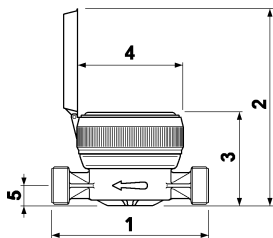
dry dial
temperature classes T30 & T50
SFU-R80 DN 15 / 20

UND-R80 DN 25 / 32 / 40

dry dial
temperature classes T70 e T90
SCU-R80 DN 15 / 20

ACU-R80 DN 25 / 32 / 40

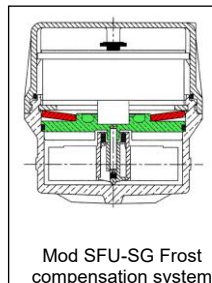
Different R available upon request (from R40 to R125)



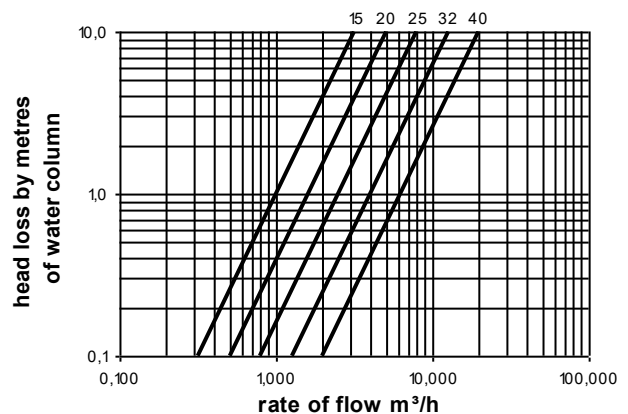
Technical data- DN in mm-inches	15-1/2	20-3/4	25-1	32-1.1/4	40-1.1/2
Permanent Flow Rate Q_3 (m ³ /h)	2,5	4,0	6,3	10	16
Max. flow rate for short period Q_4 (m ³ /h)	3,125	5,0	7,875	12,5	20
Transitional flow rate Q_2 at measuring range R80 [MPE $\pm 2\%$] (l/h)	50	80	126	200	320
Min flow rate Q_1 with measuring range R80 [MPE $\pm 5\%$] (l/h)	31,25	50	78,75	125	200
Starting flow at measuring range R80 (l/h)	6	11	20	20	25
Accuracy class	2	2	2	2	2
Pressure loss class ΔP (bar)	0,63	0,63	0,63	0,63	0,63
Max allowed working pressure MAP (bar)	16	16	16	16	16
Dial register from /to (m ³)	0,0001 / 100.000	0,0001 / 100.000	0,0001 / 100.000	0,0001 / 100.000	0,0001 / 100.000
1) Length without couplings (mm)	110-80 115-170	130	160	160	200
Length with couplings (mm)	190-160 195-250	228	260	280	340
2) Height with open lid (mm)	138	143	185	185	195
3) Height with closet lid (mm)	70	74	128	128	142
4) Max. diameter (mm)	72	72	100	100	110
5) Height of tube (mm)	16	19	34	34	42
Weight with couplings (kg)	0,660	0,840	1,850	2,150	3,540
Weight without couplings (mm)	0,500	0,600	1,380	1,440	2,500



Meter with a reed switch
K: 0,25 0,5 1
2,5 5 10
25 50 100
250 500 1000



Head loss diagram

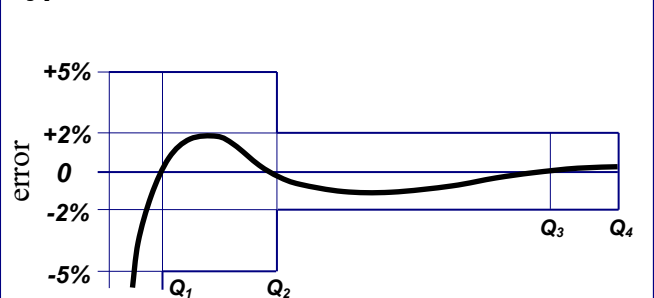


The following options are available on request:

- SFU model, 8-digit version (5 black rollers for cubic metres, 3 red rollers for litres)
- SFU model with a system to compensate for the increase in water volume in the event of freezing
- Mod. SFU Q_3 1,6 R80
- Red painted body
- SFU-P and SCU-P models, either pre-fitted with or complete with reed switch
- UND models that can be connected to an M-Bus network via the optional IMPULSI A103 adapter
- Complete solution with RF radio module operating at 868Mhz with combined LoRaWAN and W-Mbus OMS protocols and an automatic switch, NB-IoT with protocol MQTT

The Company reserves the right to make changes to technical specifications and product illustrations - 03/26

Typical error curve



G2 misuratori S.r.l. -
Via San Martino, 38 - 14100 ASTI (AT) - ITALY
Tel. +39.0141.721787 - Fax +39.0141.702280
E-mail: info@g2misuratori.it
Http://www.g2misuratori.it

Ufficio Centro Sud
Via Fontanelle, 3 - 00020 RIOFREDDO
Città Metropolitana di Roma Capitale - ITALY
Tel. e Fax +39.0774.920216
E-mail: centrosud@g2misuratori.it



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