

► Aquarius type S and RS

Single-jet impeller meter for measuring consumption in apartments and buildings for billing purposes.



Characteristics

- Single-jet impeller meter in fully dry-running design with magnetic coupling
- Excellent starting flow rate
- Low pressure loss
- Installation in any position: horizontal, vertical, riser pipe or downpipe
- Compact design
- Easily read mechanical counter (can be rotated 360°)
- Shield against static magnetic fields according to VDDW standard and EN 14154
- Working pressure 10 bar according to DIN 2401
- Battery life of up to 12 years

Further information

Aquarius S and RS are single-jet impeller meters in fully dry-running design with magnetic coupling for measuring consumption in apartments and buildings for billing purposes. The meters are suitable for measuring cold water up to 30° C and hot water up to 90° C.

Aquarius S is prepared for retrofitting IZAR RADIO SEGMENT 868 MHz. Aquarius RS is an Aquarius type S with IZAR RS installed and configured.

Aquarius RS is delivered with the radio turned on and the meter number programmed in the IZAR RS.

The default reading date is at the turn of the month; however, it is optional whether the reading date should be on a weekly, monthly or yearly basis.

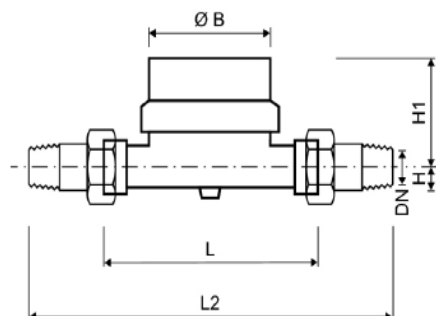
Available versions of Aquarius RS

Type	Item no.	Id no.
Aquarius RS Qn 1,5, 80 mm x G3/4B, 30° C	75-4210-H	484700106
Aquarius RS Qn 1,5, 80 mm x G3/4B, 90° C	75-4260-H	484701106
Aquarius RS Qn 1,5, 110 mm x G3/4B, 30° C	75-4215-H	484710106
Aquarius RS Qn 1,5, 110 mm x G3/4B, 90° C	75-4265-H	484711106

Aquarius modularity



Dimensions



Brunata a/s er et danskejerselskab, der sikrer en fair og individuel fordeling af forbrugsudgifter med danske målerløsninger. Vi har næsten 100 års erfaring med udvikling og fremstilling af målere, forbrugsregnskaber og målerservice. I dag fjernaflæses målerne hyppigt via radio med adgang til måledata via internettet. Brunata er kvalitetssikret og opfylder DS/EN ISO 9001 og 14001.

General

Aquarius S / RS			
Medium temperature range cold water	°C	0 ... 30	
Medium temperature range warm water	°C	0 ... 90	
Nominal pressure	PN	bar	10
Display range	0.1 ... 9,999 m ³ /h		
EC type approval EO 6 30 °C	D 98 / 6.131.09		
EC type approval EO 6 90 °C	D 98 / 6.331.93		
Metrological class	A/B•H		
Protection class	IP 54		

Nominal flow rate	Qn	m ³ /h	1.5	1.5	1.5	2.5
Overall length	L	mm	80	110	130	130
AQUARIUS S - radio segment retrofittable			•	•	•	•
AQUARIUS RS - radio segment mounted			•	•	•	•

Note:

AQUARIUS S: radio segment IZAR RS 868 MHz retrofittable

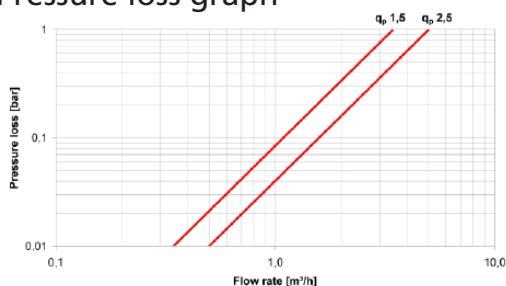
AQUARIUS RS: with mounted and configured radio segment IZAR RS 868 MHz

Technical data

Nominal flow rate	Qn	m ³ /h	1.5	1.5	1.5	2.5
Overall length	L	mm	80	110	130	130
Nominal diameter	DN	mm	15	15	15	20
Maximum flow rate (short-term)	Qmax	m ³ /h	3	3	3	5
Transition flow rate horizontal	Qt	l/h	120	120	120	200
Transition flow rate any position	Qt	l/h	150	150	150	250
Minimum flow rate horizontal	Qmin	l/h	30	30	30	50
Minimum flow rate any position	Qmin	l/h	60	60	60	100
Starting flow rate horizontal		l/h	8	8	8	12
Starting flow rate any position		l/h	14	14	14	18
Pressure loss at Qn		bar	0.19	0.19	0.19	0.25

Nominal flow rate	Qn	m ³ /h	1.5	1.5	1.5	2.5
Overall length	L	mm	80	110	130	130
Overall length with coupling	L2	mm	160	190	210	228
Overall length with tap coupling	L2	mm	138	168	188	-
Connection thread on meter		Inch	G ³ / ₄ B	G ³ / ₄ B	G ³ / ₄ B	G1B
Connection thread of coupling		Inch	R ¹ / ₂	R ¹ / ₂	R ¹ / ₂	R ³ / ₄
Height	H	mm	14	14	14	17
Height (AQUARIUS S)	H1	mm	52	52	52	52
Height (AQUARIUS RS)	H1	mm	69	69	69	69
Diameter	Ø B	mm	64	64	64	64
Weight without coupling		kg	0.4	0.44	0.54	0.54
Weight with coupling		kg	0.58	0.64	0.72	0.72

Pressure loss graph



Typical error graph

