

IBRF & IBLF

Multijet vanewheel water meter for cold water

Applications

Approved for drinking water. Optionally equipped with pulse output. Usable for most cold water applications with a temperature up to +50 °C.



Properties

- Multijet turbine water meter with wet dial straight reading on 5-digit roller counter
- IBRF with pulse output
- IBLF with 1l/p, 10l/p or 100l/p
- Approved in accordance with EN 14154 and 2004/22/EG (OIML R49)
- Brass housing with threaded connections
- Hardy cold water meter with high accuracy
- Straight pipe not required upstream or downstream of meter

Strengths

- Easy to use
- Very cost effective
- Maintenance free



Product range

IBRF



- Multijet turbine water meter with wet dial
- Measuring range in accordance with OIML R 49, dynamic measuring range R80
- Accuracy: $\pm 2\%$ for $Q_2 \leq Q < Q_4$ and $\pm 5\%$ for $Q_1 < Q < Q_2$
- Horizontal installation
- Brass housing with threaded connectors
- Nominal pressure PN 16
- Max temperature $+50\text{ }^\circ\text{C}$

Nominal diameter	DN	mm inch	15 1/2	20 3/4	25 1	32 1 1/4	40 1 1/2	50 2
Standard		Art.no.	GIB101	GIB102	GIB103	GIB104	GIB105	GIB106
Maximum flow rate	Q4	m ³ /h	3,1	5,0	7,9	12,5	20	31
Permanent flow rate	Q3	m³/h	2,5	4,0	6,3	10	16	25
Transitional flow rate	Q2	m ³ /h	0,050	0,080	0,126	0,200	0,320	0,500
Minimum flow rate	Q1	m ³ /h	0,016	0,025	0,039	0,063	0,100	0,156
Starting flow		m ³ /h	0,008	0,010	0,019	0,019	0,040	0,040
Maximum working pressure at Q3		bar	0,63	0,63	0,63	0,63	0,63	0,63
Minimal reading volume		liter	0,1	0,1	0,1	0,1	0,1	0,1
Meter capacity		m ³	100 000	100 000	100 000	100 000	100 000	100 000
Thread size		inch	3/4	1	1 1/4	1 1/2	2	2 3/8
Coupling size		inch	1/2	3/4	1	1 1/4	1 1/2	2
Meter house finish			varnished					
Weight without couplings		~ kg	1,5	1,55	2,75	2,8	5,1	7,4
Length without couplings		mm	165	190	260	260	300	300

IBRF-V

**Image
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available**

- Multijet turbine water meter with wet dial
- Measuring range in accordance with OIML R 49, dynamic measuring range R80
- Accuracy: $\pm 2\%$ for $Q_2 \leq Q < Q_4$ and $\pm 5\%$ for $Q_1 < Q < Q_2$
- Vertical installation
- For sizes DN25 ... DN50 see IBRF
- Brass housing with threaded connectors
- Nominal pressure PN 16
- Max temperature $+50\text{ }^\circ\text{C}$

Nominell diameter	DN	mm inch	15 1/2	20 3/4
Vertical rising		Art.no.	GIB201	GIB202
Vertical falling		Art.no.	GIB301	GIB302
Maximum flow rate	Q4	m ³ /h	5,0	5,0
Permanent flow rate	Q3	m³/h	4,0	4,0
Transitional flow rate	Q2	m ³ /h	0,080	0,080
Minimum flow rate	Q1	m ³ /h	0,025	0,025
Starting flow		m ³ /h	0,010	0,010
Maximum working pressure at Q3		bar	0,63	0,63
Minimal reading volume		liter	0,1	0,1
Meter capacity		m ³	100 000	100 000
Thread size		inch	3/4	1
Coupling size		inch	1/2	3/4
Meter house finish			varnished	
Weight without couplings		~ kg	1,5	1,55
Length without couplings		mm	165	190

IBLF



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- Horizontal installation
- Brass housing with threaded connectors
- Nominal pressure PN 16
- Max temperature $+50\text{ }^\circ\text{C}$
- REED-puls 1, 10 or 100 liters per pulse

Nominal diameter	DN	mm inch	15 1/2	20 3/4	25 1	32 1 1/4	40 1 1/2	50 2
1 l/p		Art.no.	GIB111	GIB121	GIB131	GIB141	GIB151	GIB161
10 l/p		Art.no.	GIB112	GIB122	GIB132	GIB142	GIB152	GIB162
100 l/p		Art.no.	GIB113	GIB123	GIB133	GIB143	GIB153	GIB163
Maximum flow rate	Q4	m ³ /h	3,1	5,0	7,9	12,5	20	31
Permanent flow rate	Q3	m³/h	2,5	4,0	6,3	10	16	25
Transitional flow rate	Q2	m ³ /h	0,050	0,080	0,126	0,200	0,320	0,500
Minimum flow rate	Q1	m ³ /h	0,016	0,025	0,039	0,063	0,100	0,156
Starting flow		m ³ /h	0,008	0,010	0,019	0,019	0,040	0,040
Maximum working pressure at Q3		bar	0,63	0,63	0,63	0,63	0,63	0,63
Minimal reading volume		liter	0,1	0,1	0,1	0,1	0,1	0,1
Meter capacity		m ³	100 000	100 000	100 000	100 000	100 000	100 000
Thread size		tum	3/4	1	1 1/4	1 1/2	2	2 3/8
Coupling size		tum	1/2	3/4	1	1 1/4	1 1/2	2
Meter house finish			varnished					
Wight without couplings		~ kg	1,5	1,55	2,75	2,8	5,1	7,4
Lenght without couplings		mm	165	190	260	260	300	300

IBLF-V

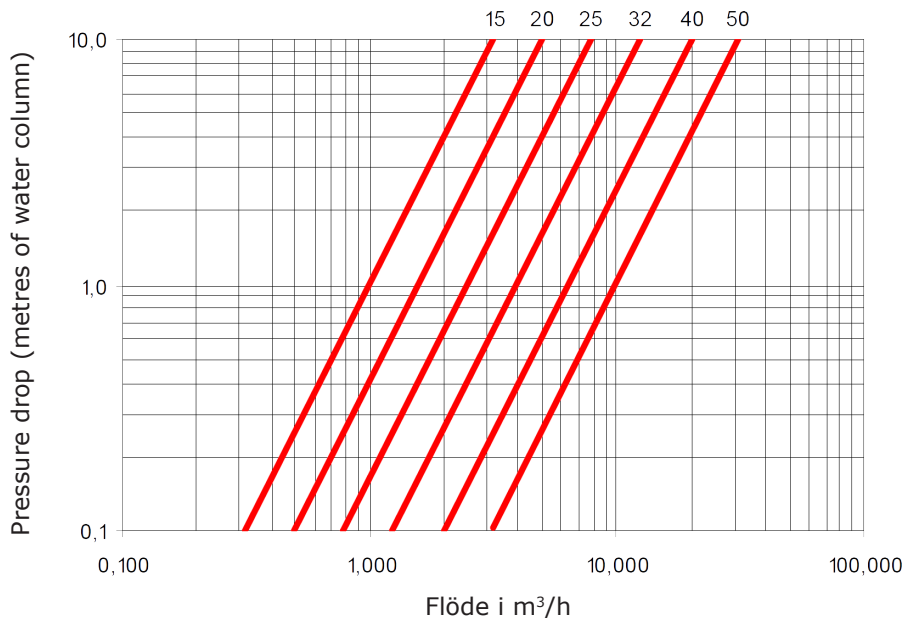
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- Nominal pressure PN 16
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- REED-pulse 1, 10 or 100 liters per pulse

Nominal diameter	DN	mm inch	15 1/2	20 3/4
Vertical falling 1 l/p		Art.no.	GIB211	GIB221
Vertical falling 10 l/p		Art.no.	GIB212	GIB222
Vertical falling 100 l/p		Art.no.	GIB213	GIB223
Vertical rising 1 l/p		Art.no.	GIB311	GIB321
Vertical rising 10 l/p		Art.no.	GIB312	GIB322
Vertical rising 100 l/p		Art.no.	GIB313	GIB323
Maximum flow rate	Q4	m ³ /h	5,0	5,0
Permanent flow rate	Q3	m³/h	4,0	4,0
Transitional flow rate	Q2	m ³ /h	0,080	0,080
Minimum flow rate	Q1	m ³ /h	0,025	0,025
Starting flow		m ³ /h	0,010	0,010
Maximum working pressure at Q3		bar	0,63	0,63
Minimal reading volume		liter	0,1	0,1
Meter capacity		m ³	100 000	100 000

Nominal diameter	DN	mm inch	15 1/2	20 3/4
Thread size		inch	3/4	1
Coupling size		inch	1/2	3/4
Meter house finish			varnished	
Weight without couplings		~ kg	1,5	1,55
Length without couplings		mm	165	190

Head loss diagram



Pulse outputs for IBLF

Contact ratings: 24V, 0,2 A

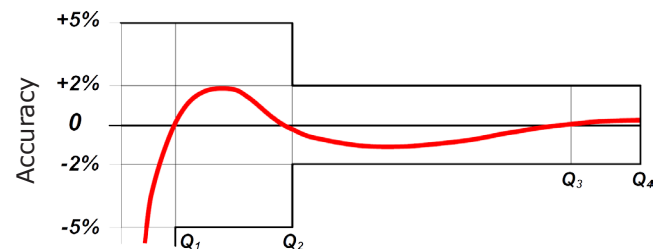
Standard length of cable supplied: 2 m

Special versions

A non-return valve can be fitted on all models upon request.

All models can be customised with the serial number (also in bar code format) marked on the dial.

Accuracy



About Ambiductor

Ambiductor is active in the following fields:

- Energy meters
- Water meters
- Oil meters and meters for industrial liquids
- Individual measurement and debit (IMD)
- Smart metering and data collection
- LoRa-products

Ambiductor is a knowledge company with many years of experience in measurement technology, automation and remote reading. Our characteristics are high service level and wide range with the possibility of solving all possible applications.

See instructional videos and mounting guider at www.ambiductor.se/support

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"If there is any inconsistency between this version and the document in it's original language, the original document will prevail."

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