

WATERFLUX 3300

ELECTROMAGNETIC FLOW SENSOR



APPLICATION

WATERFLUX 3300 is an electromagnetic flow meter designed for measuring the flow for cooling applications (absorbed thermal energy). Its electromagnetic technology gives it many advantages : no moving parts (no mechanical wear), high measuring dynamics, low pressure drop, low start-up flow and insensitivity to suspended particles.

It can also be used for glycol water measurement (without MID approval).

FEATURES

- Measures all conductive liquids with conductivity > 20 $\mu\text{S}/\text{cm}$
- MID class 2 approval (for thermal energy)
- Heat transfer fluid : water
- Full range from DN 25 mm to DN 300 mm
- Compatible with pulse input computers
- Approval temperature from +0 to +50°C
- Analogue output by default
- Other optional communication bus

GENERAL

WATERFLUX 3300

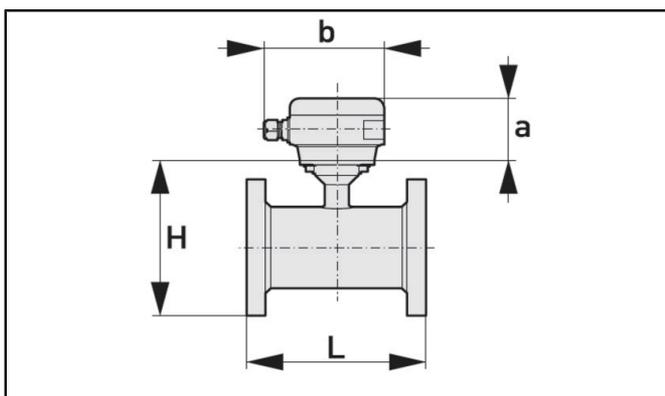
Application	Cooling Transfer fluid with conductivity > 20 µS/cm
Approval	MID (DE-12-MI004-PTB004) only for water
Ambient class	MID class E2 + M2
Ambient temperature	°C -5 ... +55 °C
Power supply	100 ... 230 VAC 50 ... 60 Hz
Mounting position	all positions
Protection class	IP 67
Interface	pulse output ; analogue output
Digital outputs (optional)	fieldbus, Modbus RTU, Profibus, PROFINET

BASIC FEATURES

Nominal flowrate	Q _p	m ³ /h	16	40	100	160	250
Nominal diameter	DN	mm	25	50	65	80	100
Length	L	mm	150	150	200	200	250
Minimum flow rate	Q _i	m ³ /h	0.025	0.0625	0.1	0.8	0.4
Maximum flow rate	Q _s	m ³ /h	20	50	125	200	312.5
Default nominal pressure	PN	bar	16	16	16	16	16
Pulse weight		l/pulse	1	1	10	8	10
Analog output at 20 mA		m ³ /h	20	50	125	160	312.5

Nominal flowrate	Q _p	m ³ /h	400	630	1000	1000	1000
Nominal diameter	DN	mm	125	150	200	250	300
Length	L	mm	250	300	350	400	500
Minimum flow rate	Q _i	m ³ /h	0.625	1	1.575	2.5	2.5
Maximum flow rate	Q _s	m ³ /h	500	787.5	1000	1250	1250
Default nominal pressure	PN	bar	16	16	16	10	10
Pulse weight		l/pulse	100	100	100	100	100
Analog output at 20 mA		m ³ /h	500	500	1250	2000	3125

DIMENSIONS



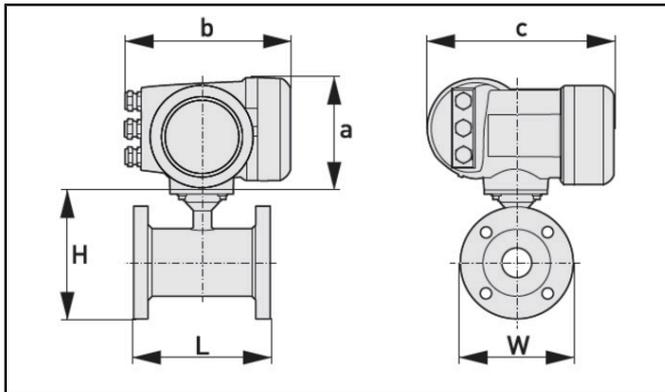
Separate version, wall mounting of the IFC 300 display

Nominal flowrate	Q _p	m ³ /h	16	40	100	160	250
Nominal diameter	DN	mm	25	50	65	80	100
Length	L	mm	150	200	200	200	250
Height	H	mm	239	274	288	297	325
Flanges nominal pressure		bar	40	40	16	16	16
Flange diameter		mm	115	165	185	200	220
Number of screwholes			4	4	4	8	8
Weight		kg	5	13	11	17	17

WATERFLUX 3300 - ELECTROMAGNETIC FLOW SENSOR

Nominal flowrate	Q _p	m ³ /h	400	630	1000	1000	1000
Nominal diameter	DN	mm	125	150	200	250	300
Length	L	mm	250	300	350	400	500
Height	H	mm	354	388	449	496	546
Flanges nominal pressure		bar	16	16	16	10	10
Flange diameter		mm	250	285	340	395	445
Number of screwholes			8	8	12	12	12
Weight		kg	21	29	36	50	60

COMPACT VERSION DIMENSIONS



Compact version

Nominal flowrate	Q _p	m ³ /h	16	40	100	160	250
Nominal diameter	DN	mm	25	50	65	80	100
Length	L	mm	150	200	200	200	250
Height	H	mm	151	186	200	209	237
Head height	A	mm	155	155	155	155	155
Head width	B	mm	230	230	230	230	230
Head depth	C	mm	260	260	260	260	260
Nominal pressure with flanges		bar	40	40	16	16	16
Flanges diameter		mm	115	165	185	200	220
Number of screwholes			4	4	4	8	8
Weight		kg	5	13	11	17	17

Nominal flowrate	Q _p	m ³ /h	400	630	1000	1000	1000
Nominal diameter	DN	mm	125	150	200	250	300
Length	L	mm	250	300	350	400	500
Height	H	mm	266	300	361	408	458
Head height	A	mm	155	155	155	155	155
Head width	B	mm	230	230	230	230	230
Head depth	C	mm	260	260	260	260	260
Nominal pressure with flanges		bar	16	16	16	10	10
Flanges diameter		mm	250	285	340	395	445
Number of screwholes			8	8	12	12	12
Weight		kg	21	29	36	50	60

Economic Actor Information

Applicable regulation and legal obligations for products may change.

DIEHL METERING monitors applicable regulation to ensure their products comply at the date of placing on the market.

Each economic actor making products available on the market thereafter must independently keep informed about the current applicable regulation.

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