


1000 EL Series *Extended Linearity*

Extended linearity electromagnetic flowmeter with PTFE liner designed for wafer fitting between flanges							
Model Type	Internal Diameter mm	External diameter mm	Length mm	Weight kg	Pressure Rating bar	Flow Rate at 2 m/s velocity	
						m ³ /hr	l/min
1000.25	25	64	90	2.1	40	3.53	59
1000.32*	32	77	90	2.1	40	5.79	97
1000.40	40	82	90	2.5	40	9.05	151
1000.50	50	101	90	3	40	14.1	236
1000.65	65	120	95	4.5	40	23.9	398
1000.80	80	133	95	6.5	40	36.2	603
1000.100	100	158	110	7.5	40	56.5	942
1000.125	125	188	110	9.5	40	88.4	1473
1000.150	150	214	130	11.5	40	127	2120
1000.200	200	265	145	17	16	226	3770
1000.250	250	325	145	21	16	353	5890
1000.300	300	375	150	26	16	509	8480

* Special order

Common Features:

Temperature Rating	-40°C to +180°C (for separate version); 80°C for the compact version; 80°C for the rubber lined version	
Accuracy	±0.2% over flow range 0.5 to 5 m/s; Turndown 1000:1; maximum velocity 10 m/s	
Body / Internals	PTFE Lining with three Hastelloy C 22 electrodes as standard; DN250 and DN300 PTFE or Hard Rubber	
Fluid Conductivity	Must be greater than 5 microSiemens/centimetre	
	Protection Rating	IP68 to 1.5 meters (separate version)
	Seal	PTFE
	Viscosity Range	Viscosity independent
	Output & Power	See converter
	Wafer Fitting	UNI 2223 (PN10 to PN40); ANSI 150, 300
External materials	Carbon Steel treated with two-component epoxy paint	
Maximum cable length	100 metres for conductivity > 200µS/cm; 15 metres for conductivity at 5 µS/cm	

Options:

Electrode Materials	Hastelloy B, Platinum, Titanium and Tantalum	
Seals	Neoprene	
Flow rate, temperature and pressure	Alternate ratings available in different sizes and styles, consult factory for further details	
External Materials	316 SS	
IS Hazardous Area Version ATEX	Available at extra cost to EEx ia IIC T5 with a threaded body	

Documentation:

Operating and Maintenance Manual	See Converter manual	
Installation Drawing	Refer to factory	Technical Data Sheet: DS120-0-ENG
Conformity:	These products conform to PED and EMC. ATEX option available.	

Flowmeter Specification Sheet

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