


1100J Series

Lightweight, compact electromagnetic flowmeter with PBT 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
1100.25	25	66	68	1.1	20	3.52	59
1100.40	40	86	96	1.5	20	9.05	151
1100.50	50	103	86	1.8	20	14.1	236
1100.65	65	122	104	2.5	20	23.9	398
1100.80	80	134	112	3	20	36.2	603
1100.100	100	160	130	4	20	56.5	942
1100.125	125	190	152	5	20	88.4	1473
1100.150	150	220	196	6.5	20	127.2	2121

Common Features:

	Temperature Rating	0°C to +110°C
	Viscosity Range	Viscosity independent
	Accuracy	±0.2% over flow range 0.5 to 5 m/s; maximum velocity 10 m/s
	Fluid Conductivity	Must be greater than 5 microSiemens/centimetre
	Body / Internals	PBT Lining with three 316L electrodes as standard (PBT=Polybutylene terephthalate)
	Seals	Viton® O rings
Protection Rating	IP67	
Wafer Fitting	UNI 2223 (PN16 to PN40); ANSI 150, 300	
Maximum cable length	100 metres for conductivity > 200µS/cm; 15 metres for conductivity at 5 µS/cm	
External materials	Carbon Steel , acrylic paint	
Output & Power	See converter	
Compact option	Either MC106A or MC308	

Options:

Electrode Materials	Titanium, Hastelloy B or C	
Seals	Neoprene, NBR	
Flow rate, temperature and pressure	Alternate ratings available in different sizes and styles, consult factory for further details	
External Materials	316 SS using 1000 series	
Internal Materials	PTFE using 1000 series	
IS Hazardous Area Version ATEX	Available at extra cost to EEx ia IIC T5 – separate converter only.	

Documentation:

Operating and Maintenance 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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 1100J.docx