


500 Series

Low flow electromagnetic flowmeter with PTFE liner							
Model Type	Standard Diameter mm	Connection options:				Flow Rate at 2 m/s velocity	
		BSP or NPT	Triclamp/ISO 2852		DN 11851	m ³ /hr	l/min
			Flange OD mm	Tube OD mm			
500.03	3	¼"	51	25.4	10	0.051	0.85
500.06	6	⅜"	51	25.4	10	0.20	3.39
500.10	10	½"	51	25.4	10	0.56	9.42
500.15	15	¾"	51	38	15	1.27	21.2
500.20	20	1"	51	38	20	1.83	30.5

Common Features:

	Temperature Rating	-20°C to +160°C (for separate version); 80°C for the compact version
	Pressure Rating	16 bar
	Viscosity Range	Viscosity independent
	Accuracy and repeatability	±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	PTFE Lining with three 316L stainless steel electrodes as standard;
Seal	Viton	
Protection Rating	IP68 to 1.5 meters (separate version)	
Connection	BSP (UNI 338 male thread); NPT, triclamp ISO2852 or DN11851	
Maximum cable length	100 metres for conductivity > 200µS/cm; 15 metres for conductivity at 5 µS/cm	
External materials	304 stainless steel	
Overall length	BSP/NPT: 130mm; Triclamp/ISO 2852: 127mm; DIN: 136mm	
Weight	1.9 kg	
Output & Power	See converter	

Options:

Electrode Materials	Hastelloy B, Hastelloy C
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: DS140-0-ENG
Conformity:	These products conform to PED and EMC. ATEX option available.	

Flowmeter Specification Sheet

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