

Electromagnetic Flowmeter

Electromagnetic flowmeters measure the flow rate of conductive liquids and slurries. They feature various configuration options, including different electrode and lining materials, pressure ratings, and communication protocols.

Model	Material	Accuracy	Pressure	Temperature	Options
EM100	Stainless Steel	0.2 Grade	10 bar	0-150°C	Standard
EM150	Hastelloy B	0.5 Grade	16 bar	0-200°C	Optional
EM200	PTFE Lining	1.0 Grade	25 bar	0-250°C	Optional
EM250	Stainless Steel	0.2 Grade	40 bar	0-200°C	Optional
EM300	Hastelloy C	0.5 Grade	60 bar	0-250°C	Optional
EM350	Titanium	0.2 Grade	100 bar	0-300°C	Optional
EM400	Tantalum	0.5 Grade	160 bar	0-350°C	Optional
EM450	Stainless Steel	0.2 Grade	250 bar	0-300°C	Optional
EM500	Hastelloy B	0.5 Grade	400 bar	0-350°C	Optional
EM550	PTFE Lining	1.0 Grade	600 bar	0-400°C	Optional
EM600	Stainless Steel	0.2 Grade	1000 bar	0-350°C	Optional
EM650	Hastelloy C	0.5 Grade	1600 bar	0-400°C	Optional
EM700	Titanium	0.2 Grade	2500 bar	0-450°C	Optional
EM750	Tantalum	0.5 Grade	4000 bar	0-500°C	Optional
EM800	Stainless Steel	0.2 Grade	6000 bar	0-500°C	Optional
EM850	Hastelloy B	0.5 Grade	10000 bar	0-550°C	Optional
EM900	PTFE Lining	1.0 Grade	16000 bar	0-600°C	Optional
EM950	Stainless Steel	0.2 Grade	25000 bar	0-650°C	Optional
EM1000	Hastelloy C	0.5 Grade	40000 bar	0-700°C	Optional
EM1050	Titanium	0.2 Grade	60000 bar	0-750°C	Optional
EM1100	Tantalum	0.5 Grade	100000 bar	0-800°C	Optional
EM1150	Stainless Steel	0.2 Grade	160000 bar	0-850°C	Optional
EM1200	Hastelloy B	0.5 Grade	250000 bar	0-900°C	Optional
EM1250	PTFE Lining	1.0 Grade	400000 bar	0-950°C	Optional
EM1300	Stainless Steel	0.2 Grade	600000 bar	0-1000°C	Optional
EM1350	Hastelloy C	0.5 Grade	1000000 bar	0-1050°C	Optional
EM1400	Titanium	0.2 Grade	1600000 bar	0-1100°C	Optional
EM1450	Tantalum	0.5 Grade	2500000 bar	0-1150°C	Optional
EM1500	Stainless Steel	0.2 Grade	4000000 bar	0-1200°C	Optional
EM1550	Hastelloy B	0.5 Grade	6000000 bar	0-1250°C	Optional
EM1600	PTFE Lining	1.0 Grade	10000000 bar	0-1300°C	Optional
EM1650	Stainless Steel	0.2 Grade	16000000 bar	0-1350°C	Optional
EM1700	Hastelloy C	0.5 Grade	25000000 bar	0-1400°C	Optional
EM1750	Titanium	0.2 Grade	40000000 bar	0-1450°C	Optional
EM1800	Tantalum	0.5 Grade	60000000 bar	0-1500°C	Optional
EM1850	Stainless Steel	0.2 Grade	100000000 bar	0-1550°C	Optional
EM1900	Hastelloy B	0.5 Grade	160000000 bar	0-1600°C	Optional
EM1950	PTFE Lining	1.0 Grade	250000000 bar	0-1650°C	Optional
EM2000	Stainless Steel	0.2 Grade	400000000 bar	0-1700°C	Optional
EM2050	Hastelloy C	0.5 Grade	600000000 bar	0-1750°C	Optional
EM2100	Titanium	0.2 Grade	1000000000 bar	0-1800°C	Optional
EM2150	Tantalum	0.5 Grade	1600000000 bar	0-1850°C	Optional
EM2200	Stainless Steel	0.2 Grade	2500000000 bar	0-1900°C	Optional
EM2250	Hastelloy B	0.5 Grade	4000000000 bar	0-1950°C	Optional
EM2300	PTFE Lining	1.0 Grade	6000000000 bar	0-2000°C	Optional
EM2350	Stainless Steel	0.2 Grade	10000000000 bar	0-2050°C	Optional
EM2400	Hastelloy C	0.5 Grade	16000000000 bar	0-2100°C	Optional
EM2450	Titanium	0.2 Grade	25000000000 bar	0-2150°C	Optional
EM2500	Tantalum	0.5 Grade	40000000000 bar	0-2200°C	Optional
EM2550	Stainless Steel	0.2 Grade	60000000000 bar	0-2250°C	Optional
EM2600	Hastelloy B	0.5 Grade	100000000000 bar	0-2300°C	Optional
EM2650	PTFE Lining	1.0 Grade	160000000000 bar	0-2350°C	Optional
EM2700	Stainless Steel	0.2 Grade	250000000000 bar	0-2400°C	Optional
EM2750	Hastelloy C	0.5 Grade	400000000000 bar	0-2450°C	Optional
EM2800	Titanium	0.2 Grade	600000000000 bar	0-2500°C	Optional
EM2850	Tantalum	0.5 Grade	1000000000000 bar	0-2550°C	Optional
EM2900	Stainless Steel	0.2 Grade	1600000000000 bar	0-2600°C	Optional
EM2950	Hastelloy B	0.5 Grade	2500000000000 bar	0-2650°C	Optional
EM3000	PTFE Lining	1.0 Grade	4000000000000 bar	0-2700°C	Optional
EM3050	Stainless Steel	0.2 Grade	6000000000000 bar	0-2750°C	Optional
EM3100	Hastelloy C	0.5 Grade	10000000000000 bar	0-2800°C	Optional
EM3150	Titanium	0.2 Grade	16000000000000 bar	0-2850°C	Optional
EM3200	Tantalum	0.5 Grade	25000000000000 bar	0-2900°C	Optional
EM3250	Stainless Steel	0.2 Grade	40000000000000 bar	0-2950°C	Optional
EM3300	Hastelloy B	0.5 Grade	60000000000000 bar	0-3000°C	Optional
EM3350	PTFE Lining	1.0 Grade	100000000000000 bar	0-3050°C	Optional
EM3400	Stainless Steel	0.2 Grade	160000000000000 bar	0-3100°C	Optional
EM3450	Hastelloy C	0.5 Grade	250000000000000 bar	0-3150°C	Optional
EM3500	Titanium	0.2 Grade	400000000000000 bar	0-3200°C	Optional
EM3550	Tantalum	0.5 Grade	600000000000000 bar	0-3250°C	Optional
EM3600	Stainless Steel	0.2 Grade	1000000000000000 bar	0-3300°C	Optional
EM3650	Hastelloy B	0.5 Grade	1600000000000000 bar	0-3350°C	Optional
EM3700	PTFE Lining	1.0 Grade	2500000000000000 bar	0-3400°C	Optional
EM3750	Stainless Steel	0.2 Grade	4000000000000000 bar	0-3450°C	Optional
EM3800	Hastelloy C	0.5 Grade	6000000000000000 bar	0-3500°C	Optional
EM3850	Titanium	0.2 Grade	10000000000000000 bar	0-3550°C	Optional
EM3900	Tantalum	0.5 Grade	16000000000000000 bar	0-3600°C	Optional
EM3950	Stainless Steel	0.2 Grade	25000000000000000 bar	0-3650°C	Optional
EM4000	Hastelloy B	0.5 Grade	40000000000000000 bar	0-3700°C	Optional
EM4050	PTFE Lining	1.0 Grade	60000000000000000 bar	0-3750°C	Optional
EM4100	Stainless Steel	0.2 Grade	100000000000000000 bar	0-3800°C	Optional
EM4150	Hastelloy C	0.5 Grade	160000000000000000 bar	0-3850°C	Optional
EM4200	Titanium	0.2 Grade	250000000000000000 bar	0-3900°C	Optional
EM4250	Tantalum	0.5 Grade	400000000000000000 bar	0-3950°C	Optional
EM4300	Stainless Steel	0.2 Grade	600000000000000000 bar	0-4000°C	Optional
EM4350	Hastelloy B	0.5 Grade	1000000000000000000 bar	0-4050°C	Optional
EM4400	PTFE Lining	1.0 Grade	1600000000000000000 bar	0-4100°C	Optional
EM4450	Stainless Steel	0.2 Grade	2500000000000000000 bar	0-4150°C	Optional
EM4500	Hastelloy C	0.5 Grade	4000000000000000000 bar	0-4200°C	Optional
EM4550	Titanium	0.2 Grade	6000000000000000000 bar	0-4250°C	Optional
EM4600	Tantalum	0.5 Grade	10000000000000000000 bar	0-4300°C	Optional
EM4650	Stainless Steel	0.2 Grade	16000000000000000000 bar	0-4350°C	Optional
EM4700	Hastelloy B	0.5 Grade	25000000000000000000 bar	0-4400°C	Optional
EM4750	PTFE Lining	1.0 Grade	40000000000000000000 bar	0-4450°C	Optional
EM4800	Stainless Steel	0.2 Grade	60000000000000000000 bar	0-4500°C	Optional
EM4850	Hastelloy C	0.5 Grade	100000000000000000000 bar	0-4550°C	Optional
EM4900	Titanium	0.2 Grade	160000000000000000000 bar	0-4600°C	Optional
EM4950	Tantalum	0.5 Grade	250000000000000000000 bar	0-4650°C	Optional
EM5000	Stainless Steel	0.2 Grade	400000000000000000000 bar	0-4700°C	Optional
EM5050	Hastelloy B	0.5 Grade	600000000000000000000 bar	0-4750°C	Optional
EM5100	PTFE Lining	1.0 Grade	1000000000000000000000 bar	0-4800°C	Optional
EM5150	Stainless Steel	0.2 Grade	1600000000000000000000 bar	0-4850°C	Optional
EM5200	Hastelloy C	0.5 Grade	2500000000000000000000 bar	0-4900°C	Optional
EM5250	Titanium	0.2 Grade	4000000000000000000000 bar	0-4950°C	Optional
EM5300	Tantalum	0.5 Grade	6000000000000000000000 bar	0-5000°C	Optional
EM5350	Stainless Steel	0.2 Grade	10000000000000000000000 bar	0-5050°C	Optional
EM5400	Hastelloy B	0.5 Grade	16000000000000000000000 bar	0-5100°C	Optional
EM5450	PTFE Lining	1.0 Grade	25000000000000000000000 bar	0-5150°C	Optional
EM5500	Stainless Steel	0.2 Grade	40000000000000000000000 bar	0-5200°C	Optional
EM5550	Hastelloy C	0.5 Grade	60000000000000000000000 bar	0-5250°C	Optional
EM5600	Titanium	0.2 Grade	100000000000000000000000 bar	0-5300°C	Optional
EM5650	Tantalum	0.5 Grade	160000000000000000000000 bar	0-5350°C	Optional
EM5700	Stainless Steel	0.2 Grade	250000000000000000000000 bar	0-5400°C	Optional
EM5750	Hastelloy B	0.5 Grade	400000000000000000000000 bar	0-5450°C	Optional
EM5800	PTFE Lining	1.0 Grade	600000000000000000000000 bar	0-5500°C	Optional
EM5850	Stainless Steel	0.2 Grade	1000000000000000000000000 bar	0-5550°C	Optional
EM5900	Hastelloy C	0.5 Grade	1600000000000000000000000 bar	0-5600°C	Optional
EM5950	Titanium	0.2 Grade	2500000000000000000000000 bar	0-5650°C	Optional
EM6000	Tantalum	0.5 Grade	4000000000000000000000000 bar	0-5700°C	Optional
EM6050	Stainless Steel	0.2 Grade	6000000000000000000000000 bar	0-5750°C	Optional
EM6100	Hastelloy B	0.5 Grade	10000000000000000000000000 bar	0-5800°C	Optional
EM6150	PTFE Lining	1.0 Grade	16000000000000000000000000 bar	0-5850°C	Optional
EM6200	Stainless Steel	0.2 Grade	25000000000000000000000000 bar	0-5900°C	Optional
EM6250	Hastelloy C	0.5 Grade	40000000000000000000000000 bar	0-5950°C	Optional
EM6300	Titanium	0.2 Grade	60000000000000000000000000 bar	0-6000°C	Optional
EM6350	Tantalum	0.5 Grade	100000000000000000000000000 bar	0-6050°C	Optional
EM6400	Stainless Steel	0.2 Grade	160000000000000000000000000 bar	0-6100°C	Optional
EM6450	Hastelloy B	0.5 Grade	250000000000000000000000000 bar	0-6150°C	Optional
EM6500	PTFE Lining	1.0 Grade	400000000000000000000000000 bar	0-6200°C	Optional
EM6550	Stainless Steel	0.2 Grade	600000000000000000000000000 bar	0-6250°C	Optional
EM6600	Hastelloy C	0.5 Grade	1000000000000000000000000000 bar	0-6300°C	Optional
EM6650	Titanium	0.2 Grade	1600000000000000000000000000 bar	0-6350°C	Optional
EM6700	Tantalum	0.5 Grade	2500000000000000000000000000 bar	0-6400°C	Optional
EM6750	Stainless Steel	0.2 Grade	4000000000000000000000000000 bar	0-6450°C	Optional
EM6800	Hastelloy B	0.5 Grade	6000000000000000000000000000 bar	0-6500°C	Optional
EM6850	PTFE Lining	1.0 Grade	10000000000000000000000000000 bar	0-6550°C	Optional
EM6900	Stainless Steel	0.2 Grade	16000000000000000000000000000 bar	0-6600°C	Optional
EM6950	Hastelloy C	0.5 Grade	25000000000000000000000000000 bar	0-6650°C	Optional
EM7000	Titanium	0.2 Grade	40000000000000000000000000000 bar	0-6700°C	Optional
EM7050	Tantalum	0.5 Grade	60000000000000000000000000000 bar	0-6750°C	Optional
EM7100	Stainless Steel	0.2 Grade	100000000000000000000000000000 bar	0-6800°C	Optional
EM7150	Hastelloy B	0.5 Grade	160000000000000000000000000000 bar	0-6850°C	Optional
EM7200	PTFE Lining	1.0 Grade	250000000000000000000000000000 bar	0-6900°C	Optional
EM7250	Stainless Steel	0.2 Grade	400000000000000000000000000000 bar	0-6950°C	Optional
EM7300	Hastelloy C	0.5 Grade	600000000000000000000000000000 bar	0-7000°C	Optional
EM7350	Titanium	0.2 Grade	1000000000000000000000000000000 bar	0-7050°C	Optional
EM7400	Tantalum	0.5 Grade	1600000000000000000000000000000 bar	0-7100°C	Optional
EM7450	Stainless Steel	0.2 Grade	2500000000000000000000000000000 bar	0-7150°C	Optional
EM7500	Hastelloy B	0.5 Grade	4000000000000000000000000000000 bar	0-7200°C	Optional
EM7550	PTFE Lining	1.0 Grade	6000000000000000000000000000000 bar	0-7250°C	

Operating Conditions

Pressure Ratings

Caliber Range	Max Pressure
DN10 - DN80	4.0 MPa
DN100 - DN150	1.6 MPa
DN200 - DN1000	1.0 MPa
DN1200 - DN2000	0.6 MPa

Connectivity & Power

Communication Modes	4-20mA, Frequency/Pulse, RS485, RS232C, HART
Power Supply	220VAC, 24VDC

Safety & Certification

Explosion-Proof Types
General Purpose • ExdIICT6