



FEATURES

- Electromagnetic calorimeter is specially designed for hot water and is widely used in heat exchange stations, thermal power plants, etc.

STANDARD PARAMETERS

Nominal Diameter	½" to 40" (DN15-DN1000)
Range	Liquid: 0.03-10000 m³/h
Output communication	Pulse, 4-20mA, MODBUS RTU, HART
Accuracy	±0.5% Reading

THREE WORKING MODES

Heat meter mode	Only calculates the heat, which is the default mode of the meter. "H" for heat
Cold meter mode	Only calculate the cooling capacity, "R" means the cooling capacity.
Cold meter and heat meter mode	Both the cold meter and the heat meter are calculated and displayed separately.

INSTRUMENT HEAT DISPLAY UNIT

MJ/h, GJ/h, KWh/h, MWh/h four options are available.

INSTRUMENT CURRENT OUTPUT

Flow output, heat output, cooling output, heating and cooling status output, flow direction output.

NOMINAL DIAMETER CODING TABLE

NOMINAL DIAMETER	CODE						
6	006	80	080	450	145	1500	215
10	010	100	110	500	150	1600	216
15	015	125	112	600	160	1800	218
20	020	150	115	700	170	2000	220
25	025	200	120	800	180	2200	222
32	032	250	125	900	190	2400	224
40	040	300	130	1000	210	2600	226
50	050	350	135	1200	212	2800	228
65	065	400	140	1400	214	3000	330

ORDERING CODES

1. NOMINAL DIAMETER (mm) XXX

XXX Three digits, refer to Nominal Diameter Coding Table

2. NOMINAL PRESSURE 1

- | | |
|---|--------|
| 1 | 0.6MPa |
| 2 | 1.0MPa |
| 3 | 1.6MPa |
| 4 | 2.5MPa |
| 5 | 4.0MPa |
| 6 | Other |

3. CONNECTION 1

- | | |
|---|-----------|
| 1 | Flange |
| 2 | Tri-clamp |
| 3 | Hygienic |
| 4 | Threaded |

4. LINING MATERIAL A

- | | |
|---|--------------------------------|
| A | PTFE (Polytetrafluoroethylene) |
| B | CR (Neoprene) |
| C | PU (Polyurethane) |
| D | F46 (PFEP) |
| E | PFA (Perfluoroalkoxy) |
| F | FPM |

5. ELECTRODE MATERIAL 1

- | | |
|---|------------------------|
| 1 | 316L |
| 2 | Hastelloy B |
| 3 | Hastelloy C |
| 4 | Titanium |
| 5 | Platinum-iridium alloy |
| 6 | Tantalum |
| 7 | Tungsten Carbide |

Ordering Example:
MT-F200MG-XXX-1-1-A-1-1-A-1-A-1

6. STRUCTURE TYPE 1

- | | |
|---|----------------------------|
| 1 | Integrated |
| 2 | Split type |
| 3 | Split type (immersion) |
| 4 | Integrated explosion-proof |
| 5 | Split type explosion-proof |

7. POWER SUPPLY A

- | | |
|---|--------|
| A | 220VAC |
| B | 24VDC |
| C | 12V |
| D | 3.6V |

8. OUTPUT 1

- | | |
|---|-------------------------------|
| 1 | 4-20mADC/pluse |
| 2 | 4-20mADC/RS485 communication |
| 3 | 4-20mADC/RS232c communication |
| 4 | HART/with communication |
| 5 | Bus communication |

9. CONVERTER FORM A

- | | |
|---|--------|
| A | Round |
| B | Square |

10. OTHER OPTION 1

- | | |
|---|-----------------------------|
| 1 | Ground electrode |
| 2 | Companion flange |
| 3 | Electrode scraper structure |
| 4 | Other (Please specify) |