

## Modular Furnaces MTF Series



MTF 11/200/500

MTF series tube furnaces are tube furnaces with the multi-zone optionality that could be used when laboratory experimentation is performed horizontally.

Configuration of the zone temperatures, and the stable temperature environments make these furnaces suitable for many possible processes.

With an easy to replace working tube as well as additional standard equipment options, these furnaces use wire and MoSi<sub>2</sub> heating elements.

Galvanized coating covered epoxy painted structure, providing longer life time and aesthetics

### System Features

- ✓ Standard working tube of C610
- ✓ Separate or integrated control system
- ✓ Master and Slave controller availability
- ✓ Customized controller option
- ✓ High-quality fiber material
- ✓ High level temperature uniformity
- ✓ Multi zone design
- ✓ System operation with silicone controlled rectifiers
- ✓ Standard long working tube protruding from sides suitable for operation with flanges
- ✓ Electrical protection
- ✓ Dual skin housing for low external temperatures and high stability
- ✓ High quality heating elements ensuring a long service life
- ✓ Intuitive controller user interface

Model	Maximum Temperature (°C)	Continuous Operating Temperature (°C)	Maximum Bore Diameter (mm)	Heated Length (mm)	Stable Zone Length (mm)	External Dimensions HxWxD (cm)	Power (kW)	Phase	Supply Voltage (V)
MTF 11/70/500	1100	1050	70	500	160	62x62x50	2.4	1	220
MTF 11/100/500	1100	1050	100	500	160	62x62x50	2.7	1	220
MTF 11/150/500	1100	1050	130	500	160	67x62x55	3.5	1	220
MTF 11/200/500	1100	1050	160	500	160	67x62x55	3.5	1	220
MTF 13/70/400	1300	1250	30	400	130	90x52x50	2.0	1	220
MTF 13/100/400	1300	1250	70	400	130	90x52x50	3.0	1	220
MTF 13/150/400	1300	1250	110	400	130	90x52x50	4.5	3	400
MTF 13/200/400	1300	1250	160	400	130	100x52x60	6.0	3	400

\*For system accessories please check the accessory page for furnaces.

### Optional Features

- ✓ Over-temperature limiter for thermal protection
- ✓ Display of inner tube temperature with an additional thermocouple
- ✓ Check valve at gas outlet
- ✓ Gas supply and blend systems for operation
- ✓ Alternative working tubes
- ✓ Gas and water cooled vacuum flanges
- ✓ Universal design for vertical and angular usage
- ✓ Data logger with the software
- ✓ RS422/485 communication

\*For your inquiries and questions please contact us

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