

SPLIT, ROTARY & MODULAR FURNACES

Split Series

Rotary Series

Modular Series

Split Furnaces

ASP Series



ASP11/100/500

ASP series tube furnaces are split furnaces with the multi-zone optionality that could be used when laboratory experimentation is performed horizontally, or vertically.

Availability of opening up the furnaces enables operator to be able to use different tubes or reactors, or any other inline heating material with the furnace.

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 can be operated with multiple zones of different lengths.

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
- ✓ Standard long working tube protruding from sides suitable for operation with flanges
- ✓ Electrical protection
- ✓ System operation with silicone controlled rectifiers
- ✓ High quality heating elements ensuring a long service life
- ✓ Galvanized coating covered epoxy paint structure
- ✓ 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 (mm) | Power (kW) | Phase | Supply Voltage (V) |
|----------------|--------------------------|---------------------------------------|----------------------------|--------------------|-------------------------|--------------------------------|------------|-------|--------------------|
| ASP 11/70/250 | 1100 | 1050 | 70 | 250 | 80 | 510x400x500 | 1.6 | 1 | 220 |
| ASP 11/70/500 | 1100 | 1050 | 70 | 500 | 160 | 510x650x500 | 2.4 | 1 | 220 |
| ASP 11/100/250 | 1100 | 1050 | 100 | 250 | 80 | 510x400x500 | 2.4 | 1 | 220 |
| ASP 11/100/500 | 1100 | 1050 | 100 | 500 | 160 | 510x650x500 | 3.0 | 1 | 220 |
| ASP 11/150/250 | 1100 | 1050 | 130 | 250 | 80 | 510x400x500 | 3.0 | 1 | 220 |
| ASP 11/150/500 | 1100 | 1050 | 130 | 500 | 160 | 510x650x500 | 3.5 | 1 | 220 |
| ASP 11/200/250 | 1100 | 1050 | 160 | 250 | 80 | 510x400x500 | 3.0 | 1 | 220 |
| ASP 11/200/500 | 1100 | 1050 | 160 | 500 | 160 | 510x650x500 | 3.5 | 1 | 220 |
| ASP 11/250/400 | 1100 | 1050 | 200 | 400 | 130 | 710x555x740 | 6.0 | 3 | 380/220 |
| ASP 11/300/400 | 1100 | 1050 | 250 | 400 | 130 | 810x555x860 | 9.0 | 3 | 380/220 |

| Model | Maximum Temperature (°C) | Continuous Operating Temperature (°C) | Maximum Bore Diameter (mm) | Heated Length (mm) | Stable Zone Length (mm) | External Dimensions HxWxD (mm) | Power (kW) | Phase | Supply Voltage (V) |
|-----------------------|--------------------------|---------------------------------------|----------------------------|--------------------|-------------------------|--------------------------------|------------|-------|--------------------|
| ASP 15/100/200 | 1500 | 1450 | 45 | 200 | 65 | 1300x350x650 | 1.5 | 1 | 220 |
| ASP 15/100/400 | 1500 | 1450 | 45 | 400 | 130 | 1300x550x650 | 2.5 | 1 | 220 |
| ASP 15/150/200 | 1500 | 1450 | 95 | 200 | 65 | 1300x350x650 | 3.4 | 1 | 220 |
| ASP 15/150/400 | 1500 | 1450 | 95 | 400 | 130 | 1300x550x650 | 5.0 | 3 | 400 |
| ASP 15/200/200 | 1500 | 1450 | 145 | 200 | 65 | 1400x350x750 | 6.0 | 3 | 400 |
| ASP 15/200/400 | 1500 | 1450 | 145 | 400 | 130 | 1400x550x750 | 7.0 | 3 | 400 |
| ASP 15/250/200 | 1500 | 1450 | 195 | 200 | 65 | 1400x350x750 | 7.0 | 3 | 400 |
| ASP 15/250/400 | 1500 | 1450 | 195 | 400 | 130 | 1400x550x750 | 9.0 | 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

Rotary Furnaces

RTF Series



RTF 11/50

RTF series rotary furnaces are split furnace with multi-zone options with a rotation and tilt angulation option.

Configuration of the tilt angle, multi zone availability and the stable temperature working lengths make these furnaces suitable for many possible processes.

With an easy to replace working tube as well as additional standard equipment options, these furnaces are usually used for continuous processing and batch operations. The sample could get transported uniformly from one end to the other of the working tube. The unit could be used for batch operation as well, by using the model as an ASP series furnace.

Availability of opening up the furnaces enables operator to be able to use different tubes or reactors, or any other inline heating material with the furnace.

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

System Features

- ✓ Standard working tube of Quarts or C799
- ✓ Separate or integrated control system
- ✓ Master and Slave controller availability
- ✓ Customized controller option
- ✓ High-quality fiber material
- ✓ High level temperature uniformity
- ✓ Multi zone design
- ✓ Standard long working tube protruding from sides suitable for operation with flanges
- ✓ Electrical protection
- ✓ System operation with silicone controlled rectifiers
- ✓ 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) | Tube size (Dø x length) (mm) | Power (kW) | Phase | Tube Type |
|-----------------------|--------------------------|---------------------------------------|----------------------------|--------------------|------------------------------|------------|-------|-----------|
| RTF 11/50/500 | 1100 | 1050 | 50 | 500 | 50x125 | 2.4 | 1 | Quartz |
| RTF 11/100/500 | 1100 | 1050 | 100 | 500 | 100x1250 | 2.4 | 1 | Quartz |
| RTF 15/50/400 | 1500 | 1050 | 50 | 400 | 50x1200 | 3.0 | 1 | C799 |
| RTF 15/75/400 | 1500 | 1050 | 75 | 400 | 75x1200 | 3.5 | 1 | C799 |

*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

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 MoSi₂ 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

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