

Horizontal Tube Furnace

Widely used in universities,scientific research institutes,industrial and mining enterprises to do high temperature sintering metal material processing experiments,quality testing.



Characteristic

- Adopts high purity quartz tube or high purity alumina tube as the furnace tube;
- Working temperature range of 300℃ to 1600℃;
- Can be vacuumend;
- Intelligent 30 segments programmable automatic control.Shell structure,double-layer air-cooled structure;
- Surface temperature below 50℃;
- 304 stainless steel double sealing flange;
- Leakage Protection Auto Power-Off Function;
- Overtemperature protection function;
- Safety protection when the furnace body leakage power off automatically;
- Equipped with molecular pump unit,vacuum degree up to 7*10-4Pa.

Features:

Max Temperature	1200℃(HRE wire heating)
	1400℃(silicon carbide rod heating)
	1600℃(silicon molybdenum rod heating)
Heating rate	≤20℃ / min
Temperature control accuracy	±1℃
Max vacuum degree	-0.1MPa
Standard Parts	Tube plug 2pcs;furnace tube 1pc;vacuum pump 1set
	Vacuum sealing flange 1set;
	Vacuum pressure gauge 1pc.
Optional Parts	Vacuum system(rotary vane mechanical pump,diffusion pump,molecular pump)
	Atmosphere system(float flowmeter,mass flowmeter
	Quick discharge flange,tee flange
	7-inch HD touch screen

Parameters:

Model	Tube Outer Dia*Heating Zone(mm)	Power(kW)	Max.Temp	Working Temp	Thermocouple	Tube Material	Heating Element
FSF-12NT-40/300	40*300	3	1200℃	1100℃	K Type	Quartz Tube	Resistance Wire
FSF-12NT-60-300	60*300	3					
FSF-12NT-80/300	80*300	5					
FSF-12NT-100/300	100*300	5					
FSF-12NT-120/300	120*300	6					
FSF-12NT-40/450	40*450	3					
FSF-12NT-60/450	60*450	3					
FSF-12NT-80/450	80*450	5					
FSF-12NT-100/450	100*450	5					
FSF-12NT-120/450	120*450	6					
Model	Tube Outer Dia*Heating Zone(mm)	Power(kW)	Max.Temp	Working Temp	Thermocouple	Tube Material	Heating Element
FSF-14ST-40/300	40*300	4	1400℃	1300℃	S Type	Alumina Tube	Sic Heater
FSF-14ST-60/300	60*300	4					
FSF-14ST-80/300	80*300	4					
FSF-14ST-100/300	100*300	6					
FSF-14ST-120/300	120*300	6					
FSF-14ST-40/450	40*450	4					
FSF-14ST-60/450	60*450	4					
FSF-14ST-80/450	80*450	4					
FSF-14ST-100/450	100*450	6					
FSF-14ST-120/450	120*450	6					
Model	Tube Outer Dia*Heating Zone(mm)	Power(kW)	Max.Temp	Working Temp	Thermocouple	Tube Material	Heating Element
FSF-16MT-40/300	40*300	4	1600℃	1500℃	B Type	Alumina Tube	MoSi2 Heater
FSF-16MT-60/300	60*300	4					
FSF-16MT-80/300	80*300	4					
FSF-16MT-100/300	100*300	6					
FSF-16MT-120/300	120*300	6					
FSF-16MT-40/450	40*450	5					
FSF-16MT-60/450	60*450	5					
FSF-16MT-80/450	80*450	5					
FSF-16MT-100/450	100*450	7					
FSF-16MT-120/450	120*450	7					