

HORIZONTAL TUBE FURNACE

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Product Overview

Darsun Scientific Furnace tube furnaces use high-purity quartz or high-purity alumina tubes as furnace tubes, with an operating temperature range of 300°C to 1600 °C. Customers can choose according to their actual needs. This equipment series has the characteristics of safety and reliability, simple operation, high-temperature control accuracy, good heat preservation effect, high

Product Feature

1. Maximum temperature: 1200 ℃ (HRE resistance wire heating)
2. 1400 ℃ (silicon carbon rod heating)
3. 1600 ℃ (silicon molybdenum rod heating)
4. Intelligent 30-segment programmable automatic control
5. Furnace shell structure, double-layer air-cooling structure; surface temperature is lower than 50 ℃
6. 304 stainless steel double-layer sealing flange
7. Adjustable flange support structures at both ends extend the service life of the furnace tube
8. Over-temperature protection function, automatically cuts off power when the temperature exceeds the allowed set value
9. Safety protection: automatic power off when the furnace body leaks electricity
10. Heating rate ≦20 ℃ / minute
11. Constant temperature accuracy ±1 ℃
12. Maximum vacuum degree-0.1MPa
13. Equipped with a molecular pump unit, the vacuum degree can reach 7x10 -4 Pa

Standard Accessories

1. 4 tube plugs; 1 furnace tube; 1 vacuum pump;
2. set of vacuum sealing flange; 1 vacuum pressure gauge

Optional Accessories

1. Vacuum system (rotary vane mechanical pump, diffusion pump, molecular pump)
2. Atmosphere system (float flow meter, mass flow meter)
3. Quick release flange, tee flange
4. 7-inch high-definition touchscreen

Technical Parameters

Model	Tube Size	Power	Max. Temperature	Thermocouple	Tube Material	Heating Element
DS-12NT-40/300	40x300mm	3KW	1200℃	K type	Quartz tube	Molybdenum resistance wire
DS-12NT-60/300	60x300mm	3KW				
DS-12NT-80/300	80x300mm	5KW				
DS-12NT-100/300	100x300mm	5KW				
DS-12NT-120/300	120x300mm	6KW				
DS-12NT-40/450	40x450mm	3KW				
DS-12NT-60/450	60x450mm	3KW				
DS-12NT-40/300	40x300mm	3KW				
DS-12NT-60/300	60x300mm	3KW				
DS-12NT-80/300	80x300mm	5KW				

Model	Tube Size	Power	Max. Temperature	Thermocouple	Tube Material	Heating Element
DS-14ST-40/300	40x300mm	4KW	1400℃	S type	corundum tube	Silicon carbide rod
DS-14ST-60/300	60x300mm	4KW				
DS-14ST-80/300	80x300mm	4KW				
DS-14ST-100/300	100x300mm	6KW				
DS-14ST-120/300	120x300mm	6KW				
DS-14ST-40/450	40x450mm	4KW				
DS-14ST-60/450	60x450mm	4KW				
DS-14ST-80/450	80x450mm	4KW				
DS-14ST-100/450	100x450mm	6KW				
DS-14ST-120/450	120x450mm	6KW				

Model	Tube Size	Power	Max. Temperature	Thermocouple	Tube Material	Heating Element
DS-16MT-40/300	40x300mm	4KW	1600℃	Type B	corundum tube	Silicon molybdenum rod
DS-16MT-60/300	60x300mm	4KW				
DS-16MT-80/300	80x300mm	4KW				
DS-16MT-100/300	100x300mm	6KW				
DS-16MT-120/300	120x300mm	6KW				
DS-16MT-40/450	40x450mm	5KW				
DS-16MT-60/450	60x450mm	5KW				
DS-16MT-80/450	80x450mm	5KW				
DS-16MT-100/450	100x450mm	7KW				
DS-16MT-120/450	120x450mm	7KW				