

Fully automatic arc ignition vacuum electric arc furnace



Brief Introduction of Fully Automatic Arc Ignition Vacuum Electric Arc Furnace

Fully automatic arc ignition vacuum electric arc furnace is a kind of non-consumable vacuum electric arc furnace, which is filled with argon gas to melt various metal samples under vacuum conditions. It is suitable for the research and experimental work of metal materials. It can be widely used in the smelting of high-purity metals, refractory metals, semiconductor materials, radioactive materials and rare earth materials.

Features of fully automatic arc ignition vacuum electric arc furnace

1. High power, stable performance and easy operation;
2. High melting point, low oxygen content, less impurities;
3. Multiple functions: melting, suction casting, welding.

Technical parameters of fully automatic arc ignition vacuum electric arc furnace

Model: ZKY-10A

Melting material: 100 (g) (smelting only)

Electrode maximum current: 1000 (A)

Arc striking method: automatic

Working gas: high-purity argon 99.999%

Cooling method: water cooling

Stirring method: manual, manual or magnetic stirring (a station)

Functions: Melting, Melting & Melting and Suction Casting

Main configuration: 400A DC power supply, FF160-620 molecular pump, 9# mechanical pump, 630A DC power supply, FF160-620 molecular pump, 9# mechanical pump

Vacuum degree: 5×10^{-4} (Pa)

Special Note: This type of electric arc furnace can be upgraded to a model with two functions of melting and welding, but the maximum current of the electrode is less than 400A

The scope of application of automatic arc ignition vacuum electric arc furnace:

Research and experimental work on metal materials. It can be widely used in the smelting of high-purity metals, refractory metals, semiconductor materials, radioactive materials and rare earth materials.



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