

Electric Melting Machine

◆ Product Description

The electrofusion machine is a professional welding and fusion equipment integrating high efficiency, precision and safety. By converting electrical energy into thermal energy, it enables stable connection or fusion of PE pipes. Equipped with an intelligent temperature control system and automatic operation functions, the device features high temperature control precision and fast heating speed. It is widely applicable to multiple scenarios such as municipal engineering, pipeline transportation and industrial manufacturing, providing a reliable and efficient solution for production and construction.



- Intelligent Precision Temperature Control
- High-Efficiency & Energy-Saving Design
- Multiple Safety Protections
- User-Friendly Operation Experience
- Flexible Scenario Adaptability

◆ Product Structure

- The electrofusion machine is mainly composed of electrical control (including a control unit and display screen for parameter setting and process monitoring), heating (electrodes and a transformer supplying the heat required for welding), mechanical structure (a housing and hanging parts for support, protection and easy transportation), and auxiliary components (a cooling fan and data transmission interface ensuring stable equipment operation and data management). All components work together to achieve precision electrofusion welding of pipes and fittings.

◆ Typical Applications

- The electrofusion machine is widely used in fields such as municipal water supply and drainage, gas transmission, chemical industry, agricultural irrigation, industrial production, building piping systems, and sewage treatment. It is compatible with various plastic pipes including PE, PVC, PP, and PVDF, and can meet the requirements for sealed pipe connections and stable transportation under different scenarios such as high pressure, corrosion resistance, complex outdoor working conditions, and concealed engineering.

◆ Typical Product Data and Physical Properties

Housing: High-strength flame-retardant plastic, impact-resistant and UV-protective.

Operating temperature: -10℃ to +60℃, suitable for extreme climates.

Power rating: 2.5kW to 10kW.

Weight: 9kg to 50kg.

Protection class: IP54 (dustproof and splash-proof), suitable for outdoor construction environments.

Availability:

| Material Code | Product Name | Weight | packing |
|----------------|--------------------------|--------|----------|
| 1.4.24.02.0412 | Electric Melting Machine | 28KG | 1pcs/CTN |

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data is for reference purposes only.

KANBO is registered trademark of HORB. All rights reserved.