



FEATURES

- Power regulation (10 – 100%) with power bar-graph indicator.
- Advanced digital controls with service and diagnostics features.
- Temperature controller – works with a thermocouple probe or optional IR pyrometer.
- Optional transformer for 3-phase/230V AC line requirements.
- Water cooling system could be quoted upon request

Reliable and durable Induction melting furnaces perfect for any precious or non-precious metals and alloys.
Fast induction melting using advanced circuit with low energy consumption.
Flexible systems can be configured to melt different metals and alloys.
Temperature control for preventing overheating and burning of the metal (thermocouple probe or IR pyrometer).
Stainless steel front with high temperature top cover ensures prolonged heavy duty use.
Reliable equipment, easy to install, maintain and service.

Not sure which induction melting system is right for your application? Check our Casting and Melting Selector!

APPLICATIONS

Induction Melting of Metal

HEADQUARTERS

10 Colt Court
Ronkonkoma, New York 11779
Tel: 631.467.6814
sales@ultraflexpower.com



ultraflexpower.com



BENEFITS

- Improved energy efficiency
- Higher degree of controllability
- Increased repeatability
- Low maintenance requirements
- Increased productivity



SPECIFICATIONS

| | UM – 4G OUPT-016-250 | UM – 5G OUPT-016-250 | UM – 5P OUPT-016-250 |
|---|--|--|--|
| Absorbed Power | 5 kW | 5 kW | 5 kW |
| AC Line , (50/60Hz), 1 Phase | 230 V \pm 10% | 230 V \pm 10% | 230 V \pm 10% |
| Melting Temperature (max) | 1300 °C | 1300 °C | 2000 °C |
| Crucible Capacity | 4 kg Gold | 5 kg Gold | 600 g Pt |
| Crucible Volume | 280 cm ³ | 256 cm ³ | 291 cm ³ |
| Cooling Requirements water system quoted upon request | Water (External) | Water (External) | Water (External) |
| Cooling Water (min) | 2.0 LpM (0.5 GpM) | 2.0 LpM (0.5 GpM) | 2.0 LpM (0.5 GpM) |
| Inlet Water Temperature (max) | 35 °C | 35 °C | 35 °C |
| Weight | 56 kg (123 Lb) | 56 kg (123 Lb) | 56 kg (123 Lb) |
| Dimensions , LxWxH | 46 cm x 40 cm x 95 cm (18.1" x 15.7" x 37.4") | 46 cm x 40 cm x 95 cm (18.1" x 15.7" x 37.4") | 46 cm x 40 cm x 95 cm (18.1" x 15.7" x 37.4") |

OPTIONAL EQUIPMENT

| | Description | Part Num |
|-------|----------------------------------|-----------------|
| TS-05 | IR Temperature Sensor with Stand | 1ACC-016-250-00 |
| CA-02 | Argon Gas Dispenser | 1ACC-016-260-00 |



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