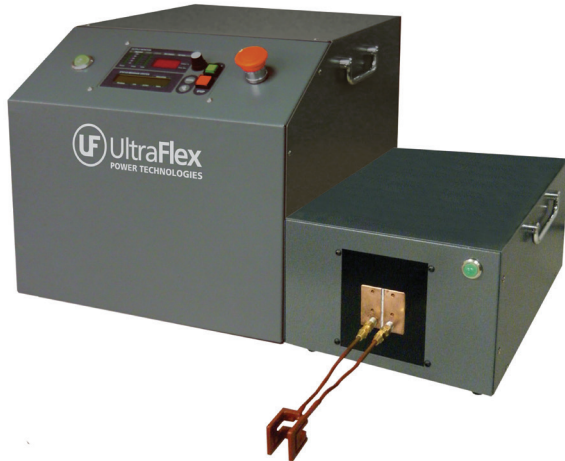


ULTRAFLEX W-SERIES

5-15kW/10kHz-400kHz

EFFICIENT POWER FOR
INDUCTION HEATING



FEATURES

- Output regulation – Voltage, Power, Current
- Limits Setting – Current, DC Volts, Output Volts, Power, Frequency
- Operator controls – Selectable: Automatic, Remote or Local control
- Capable of operating in a wide frequency range (10kHz – 400kHz); low and high Q factors
- Variable ratio output isolation transformer for load matching of a wide range of loads and coils
- RS232/485 interface for remote computer monitoring, control and diagnostics
- Power control from 10 to 100% in 1% increments
- 5 programs with 9 programmable parameters
- 0-10V or 4-20mA external control and remote Start/Stop operation

Advanced, cost-effective 5-15 kW Induction Heating systems utilizing the latest switching power supply technology.

Adaptive digital phase control providing very efficient operation in a wide frequency range.

Reliable, modular system, easy to maintain and service.

Flexible, wide range load impedance matching by utilizing multiple transformer ratios and configurable tank capacitance.

Configured to operate with external Heat Stations allowing output connections to be available from all sides.

Durable design, loaded with safety and diagnostics features.

Serial Communication link to a PC based software (optional).

APPLICATIONS

Brazing, Shrink Fitting, Annealing, Hardening, Carbide Tipping, Curing, Forging, Bonding, Heating, Material Testing, Plastic Reflow, Susceptor Heating, Nanoparticle Research.

HEADQUARTERS

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



ultraflexpower.com



ULTRAFLEX W-SERIES

5-15kW/10kHz-400kHz

EFFICIENT POWER FOR
INDUCTION HEATING

BENEFITS

- Improved energy efficiency
- Low maintenance requirements
- Greater process control while eliminating operator variability
- Increased productivity
- Increased repeatability

Power Supply Model

| | W5/400 OUFX-754-100 | W10/150 OUFX-754-100 | W10E/150 OUFX-754-300 | W15/150 OUFX-754-300 | W15/150 OUFX-754-300 |
|--------------------------------------|---|---|---|---|---|
| Output kW | 5 kW | 10 kW | 10 kW | 15 kW | 15 kW |
| Frequency kHz | 40 - 400 | 50 - 150 | 50 - 150 | 50 - 150 | 50 - 150 |
| AC Line Volts (50/60Hz) | 230±10% | 230±10% | 380/480±10% | 380/480±10% | 380/480±10% |
| Line Phases | 3 | 3 | 3 | 3 | 3 |
| Weight Lb (kg) | 62 (28) | 62 (28) | 84 (38) | 84 (38) | 84 (38) |
| Dimensions Inch (cm) WxDxH | 16.9" x 21.2" x 15.6" (42.9 x 53.9 x 39.5) | 16.9" x 21.2" x 15.6" (42.9 x 53.9 x 39.5) | 15.8" x 21" x 14.8" (40.1 x 53.3 x 40.1) | 15.8" x 21" x 14.8" (40.1 x 53.3 x 40.1) | 15.8" x 21" x 14.8" (40.1 x 53.3 x 40.1) |
| Compatible Heat Station | HS-8 | HS-8, HS-15W with UBraze | HS-8, HS-15W with UBraze | HS-8, HS-15W with UBraze | HS-8LF |

Heat Station Model

| | HS-8 1ACC-722-100 (standard) | HS-8LF 1ACC-722-120 (low freq opt) | HS-15W (1ACC-030-300) with UBraze Handheld and Auto- mation System |
|--|--|--|--|
| Cable Length between Power Supply and Heat Station: Std / Max Ft (cm) | 6 (182)/ 20 (609) | 6 (182)/ 20 (609) | 10 (305) / 15 (457) |
| Dimensions Inch (cm) WxDxH | 15.4" x 14.4" x 9.8" (39 x 41 x 25.6) | 15.4" x 14.4" x 9.8" (39 x 41 x 25.6) | See UBraze Handheld and Automation system for details |
| Weight Lb (kg) | 44 (20) | 44 (20) | See UBraze Handheld and Automation system for details |
| Cooling requirements water system quoted upon request | water (external) | water (external) | water (external) |
| Min. Cooling Water, GpM (LpM) | 2 (8) | 2 (8) | 2 (8) |
| Inlet Water T° (max), F (°C) | 95°F (35°C) | 95°F (35°C) | 95°F (35°C) |

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