

EASYHEAT® Air Induction Heating System



The compact EASYHEAT Air is an air-cooled induction heating system that offers peak power of 2 kW. It is a reliable solution for heating parts with a quick, clean source of heat. With a movable work head that can be located up to 3m (10') from the power supply, it is ideal for repeatable, non-contact heating of parts.

Equipped to operate over a broad frequency range (150-400 kHz), the EASYHEAT Air is ideal for heating parts of many geometries and compositions.

Avoid time-consuming changeovers with agile tuning for single-cycle and continuous heating operations. One system can supply heating for an array of applications like brazing, soldering, catheter tipping and much more. Flameless, non-contact induction heating minimizes energy waste by focusing energy only on the part and zone to be heated. Select and monitor power levels from the front panel LCD and sealed touch pad. Easily control the length of the heating cycle with a built-in programmable digital timer.

Versatile

- Efficient heating of many geometries
- Repeatable, reliable heating with agile frequency tuning
- Movable workhead; up to 3m (10')
- Remote serial operation or logging (optional)
- Five language display suite (EN, FR, IT, DE, ES)
- Field-calibration capable

Easy-to-Use

- Self-adjusting for accurate, repeatable results
- View set-point, output, frequency and timer
- Built-in timer, stop-watch
- Push-button RF power control

Compact and Light

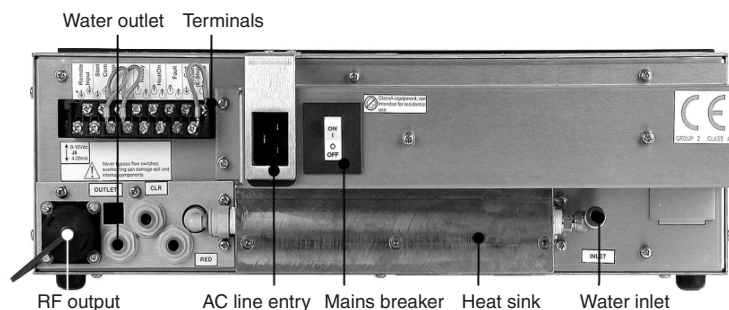
- Small feature-rich air-cooled model



EASYHEAT features a front panel programmable controller allowing you to define up to four different heating profiles, each with up to five time/power steps.

OPTIONS AND ACCESSORIES

- Optical pyrometer (closed-loop temperature control)
- External controller (plc)
- Extended work head cable lengths
- Footswitch
- Serial data interface
- Pendant station
- Start-up assistance



Application Specific Work Head

| DIMENSIONS | UNITS |
|-----------------------------|---------|
| 102 x 204 x 102 (4 x 8 x 4) | mm (in) |
| 3 (6.6) | kg (lb) |

| SPECIFICATION | EASYHEAT Air | UNITS |
|-------------------------------------|--|---------------------------|
| RF Terminal Power | 2 | kW |
| AC Line Power | 0.8 | kVA |
| AC Line Protection | 15 | A |
| Frequency | 150-400 | kHz |
| RF Coil Current | 100 (typical) | A max |
| AC Line Voltage | 117 or 220 | Vac ± 10%, 1Ø |
| Front Panel Display | 2 line x 16 character LCD; displays frequency, power, setpoint, timer and fault descriptions | |
| Display Language Suite ¹ | Five language display suite (EN, FR, IT, DE, ES) | |
| Serial Communications | Via RS485 terminal mode | Optional |
| Timer | Built in; 10ms to 10,000 seconds | |
| Heating Controller | 4 programmable profiles, 5 steps per profile | |
| RF Rise Time | <5 | ms |
| Tune Time | <5 | ms |
| Compliance | CE & UKCA Marked, 220 models only | |
| Max Ambient Temp | 45 (115) | C° (F°) |
| Unit Weight | 10.4 (23) | |
| Dimensions | Rack 483 x 400 x 133 (19 x 15.7 x 5.3) | WxDxH mm (in) |
| | Bench 436 x 398 x 129 (17.2 x 15.7 x 5.1) | |
| Air Cooling (Sys ²) | | |
| Max Input Pressure | 5.6 (80) | Bar (lb/in ²) |
| Pressure Differential | 2.8 - 5.5 (40-80) | Bar (lb/in ²) |
| Max Air Temp | 32 (90) | C° (F°) |

1) Factory set 2) System includes workhead



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