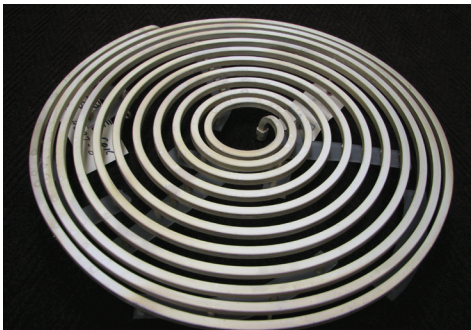


Epitaxy

Induction Heating Solutions For Expitaxy

System Features Include:

- No consumable components (i.e. tubes)
- 47% less power directly used by RF generator
- IGBT power control instead of tube so no more tube changes or power drifting
- 96.7% conversion efficiency
- Facility has to dissipate only 24,000 btu instead of the older requirement of 215,000 btu
- Less demand on facilities which could require expensive facility improvement as more equipment is added
- Less floor space 17 square feet versus 27.5
- Mark 11 requires access to one side only. Allows for back to back or against the wall mounting
- Better temperature uniformity
- Plenty of power to reach the hottest process temperatures. Less faulting for those higher demand processes
- Does not require any facility changes to install
- Direct modern replacement for motor generator and SCR technology
- Push to test tuning verification
- Insertable control board IC devices to expedite servicing
- Single main control board within a separate lockable door for safe access
- NEC and NFPA79 wiring codes
- Isolation output transformer
- Parallel tuned output circuit
- Constant voltage control circuit transformer
- Older style generators are prone to failures, with maintenance and service people harder to find
- Possible energy rebate from federal and/or state governments
- MK11 has a one year factory warranty



MK-11

Features & Specifications



Epitaxy

Operator Interface:

- 3 start-up screens
- Power, frequency and voltage displays in run mode
- Tank circuit tuning displays load and frequency
- Built-in non-intrusive diagnostics, monitoring and troubleshooting displays
- Fault and limit identification displays
- Fault log
- Status screens
- Interactive diagnostic prompt screens for fault and limit corrections
- Upgradable EPROM for future improvements
- 10 turn power level potentiometer

Optional Features:

- Remote operator's panel (local and remote)
- 4/20mA interface
- Integral or remote heat stations
- Ground fault detection circuitry
- Data output terminal to monitor internal functions remotely
- CE and ETL certifications

Utilities:

- 95° F (35° C) maximum water inlet temperature
- Water inlet and outlet fittings on cabinet top
- Inlet and outlet pressure gauges with differential pressure safety switch
- Dual water temperature sensing water circuits (Warning and fault)
- Power devices cooled by parallel cooling circuits
- Input power 480 V, 3Ø 50/60 Hz

	200 kW	250 kW		300 kW		400 kW
Frequency	25kHz, 50kHz	25kHz	50kHz	25kHz	50kHz	25kHz, 50kHz
kVA	222	278	278	333	333	444
GPM	25	25	40	25	40	40
Line Amps	267	333	333	400	400	534
Wt.	1,900	1,900	2,500	1,900	2,500	2,500

Specifications subject to change without notice.

ABP Induction, LLC

21905 Gateway Road
Brookfield, WI 53045

USA

Phone: +1 262 317 5300

Fax: +1 262 317 5353

E-mail: heating@abpinduction.com

ABP Induction Sistemas

De Fundicao, Ltda

Avenida Tégula, No. 888, Módulo 16
Atibaia, São Paulo

BRAZIL

Phone: +55 11 34 72 14 02

Fax: +55 11 34 72 14 10

ABP Induction Systems Pvt. Ltd.

455, G.I.D.C Manjusr
Tal: Savli Dist.: Vadodara - 391 700

INDIA

Phone: +91 2667 264808/ 809

ABP Indicion Systems GmbH

Moscow Branch Office
11 Floor, Tower 4,
Ryazansky prospect 75,
Moscow, 109456

RUSSIAN FEDERATION

Phone: +7 495 620 57 26

ABP Induction Ltd.

80/1 Moo 11, Phaholyothin Road,
Tambol Klong Nueng,
Amphur Klong Luang,
Panthumthane 12120

THAILAND

Phone: +66 25 29 34 57

Fax: +66 25 29 34 84

ABP Induction Systems GmbH

Kanalstraße 25
44147 Dortmund

GERMANY

Phone: +49 231 997-0

Fax, New Systems: +49 231 997-24 67

Fax, Service: +49 231 997-24 31

ABP Induction Co. Ltd.

2399 Fujin Road, Baoshan
Shanghai 201901

CHINA

Phone: +86 (0) 21-5639 178

ABP Induction S de RL de CV

España 406
Fracc. Martel
Santa Catarina, N.L.

MEXICO

Phone: +52 81 8390-2775

ABP Induction AB

Spännarhyttans Ind. område
738 92 Norberg

SWEDEN

Phone: +46 223 23135

Fax: +46 223 21429



Westinghouse



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