Inductron PT

Versatile Medium and
High Frequency Power Supply

Ajax Tocco Magnethermic

The Inductron PT exemplifies leadership in new induction technology. This IGBT power source is versatile, compact, robust, and offers unmatched features. The microprocessor based systems offer direct communication links, on board diagnostics, and user friendly interfacing. Inductron PT, IGBT power supplies use internal load matching components. This saves space and ensures they are production ready .

Benefits

- Direct SCR and motor generator replacement

- Delivers full power into 30 percent impedance swing

- Operation ranges from 1 to 120 kHz, 25 to 1000 kW

- Accommodates high load Q values

- Safety Engineered

- Provides simple user interface and SPC communication

- Compact design saves space and eliminates interconnect

- Provides high reliability of power and matching components

Features

- Solid state IGBT, full bridge design

- Parallel tuned output

- Diode rectifier available

- Single tap to add capacitance

- Integrated internal load matching components

- Lower load capacitor and transformer voltages

- Robust electrical design

- Microprocessor based logic

Specifications

Frequency & Output Power

1 - 10 kHz,	100 - 1000 kW
10 - 30 kHz,	50 - 600 kW
25 - 50 kHz,	50 - 400 kW
50 - 80 kHz,	30 - 240 kW
50 - 120 kHz,	25 - 400 kW

Power Supply Efficiency

90% to 95% overall minimum

Operating Sound Level:

10 kHz	80 to 85 dbA at 3 ft. (1 m)
50 kHz	60 dbA at 3 ft. (1 m)

Cooling Water Volume

Approximately 20 GPM for the first 100 kW
and 5 GPM per 100 kW thereafter. Includes
cooling for internal load matching components.

Input Water Temperature

95º F (35º C) maximum

Input Water Pressure

90 PSI Maximum (6.2 bar)
30 PSI (2.0 bar) minimum differential

Safety Features (MPC Models)

NEMA 12 (JIC E7.1.3) enclosure, interlocks
on doors, control and high voltage disconnect,
fully removable sides and doors for easy access
to all parts.

Ajax Tocco Magnethermic

www.ajaxtocco.com
24 Hour Service
1-800-547-1527

American Induction Heating CORPORATION

IBH Industrial Electric Heating

Specifications subject to change without notice