Tool Make & Model

AutoGlow 200

Tool Configuration / Specifications

- 10 to 300 watts (13.56 MHz). 10 watts for gentle processing—high power for more aggressive applications---optional 600 watt generator.
- Can set power in one watt increments—the RF generator and match network are tuned to accomplish this. Display to show the actual power going into the chamber as well.
- Pressure output display—A Pirani Gauge is used.
- Automatic Tuning—very fast and with extremely low reflected power—very well designed tuning network
- Solid state electronics, phase and magnitude detector
- Advanced RF generator and match---made by Glow Research
- CE marked and certified
- Diagnostic LED's on front of system for module(s) confirmation
- Only one electronics control board in the system
- Proprietary RF matching network and RF generator
- Choice of one or two process gas flowmeters

The information contained in this data sheet is, to our knowledge, accurate. We do not warrant the completeness or accuracy of the information contained herein. Any offer by you to purchase the equipment described in this data sheet shall be subject to the terms and conditions of sale.

Tool Configuration / Specifications

- Modular Design—chamber, RF generator, RF tuning network, gas delivery, electronics
- Chamber made of Anodized Aluminum (for use with CF4)
- Unique Electrode Design—tunes fast with no arcing
- RIE (bottom powered) or Plasma (top powered) configuration--adjustable sample shelves
- Remote plasma: by placing the sample on the bottom of the grounded chamber
- 13.56 MHz 300 watt generator is standard
- Adjustable nitrogen (or air) vent purge with flowmeter (now standard)
- Displays: RF Set Point, Forward Power, Reflected Power, and a Pressure reading
- Very low Reflected Power
- Forward Power reading to know how much power is actually going into the chamber
- Timer—the operator can set the process to run for short or longer processing. Only tracks time during active plasma (see below)
- Chamber door has dynamic hinge (see below)—so the door is drawn directly into the chamber under vacuum—avoids pinching the door seal on the hinged side.

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