

## *QuadBlock® 350 Gr/Hr @ 5% (Water-Cooled)*



*Patented  
 350 Grams/Hour @  
 5% Weight*

*180 Grams/Hour @  
 10% Weight*

For added application information, see the [Plasma Block® Application Guide](#) manual.

### Models available :

Refer to – [Configuration Options Summary Sheet](#)

- **Processor based**, fully Automatic Tuning for constant ozone output and installation simplicity.
- **Service simplicity** due to automatic fault diagnostics and early warning notification.
- **Direct digital control**, data acquisition and historical performance information with PlasmaVIEW®.
- **Silent, Rugged, Reliable and Cost Effective.**
- **No exposed high-voltage safety hazards.**
- **Now available with PlasmaVIEW® software (optional)**

### Design Features:

- 180 Gr/Hr, 10%, **24 Lpm**, 10 psi : 350 gr/Hr, 5%, **74 Lpm**, 10 psi. (power 2400 watts).
- **Full-Auto** and **Semi-Auto** modes hold constant power over the entire pressure range of **5 - 100 psi**. From package to process, no setup or adjustments are required. Continuously tracks and automatically optimizes performance for changes in pressure, flow and line voltage.
- **Direct digital access and control** via RS232 interface to PLC or PTI's custom software. PTI's optional **PlasmaVIEW®** software and RS232 hardware interface, using a laptop computer, provides a simple and complete user interface with unprecedented configuration, diagnostics and historical acquisition simplicity.
- **Efficient**, compact, silent (25 KHz), safe, rugged, reliable, advanced – all the normal traits of a PTI product. Same precise linear control, with turn down to 1%, as with all Plasma Block® products.
- Maximum up-time, durable, commercial / industrial solution the ozone industry requires.
- Possible **cell flooding** is identified followed by shutdown and enunciation. No damage is caused to electronics, transformers and rarely the cell. Cell flushing and drying in the field is usually sufficient to restore full service.
- Extensive two tier fault enunciation **maximizes up-time** and simplifies service diagnostics. Latched fault indicators retain fault status until serviced.

- This Gen2 cell is a scaled up version of PTI's field proven 10g/20g/50g products which are virtually impervious to extremes in temperature, vibration and pressure. **Major savings are had due to its low energy use, low oxygen volume needs and competitive price.**
- The control electronics is accomplished via Plasma Technics® new DAT210 microcontroller based inverter board. This state of the art controller yields a simpler user interface and many new features intended to further increase up-time and **simplify installation** and troubleshooting. Both soft and hard faults are signaled. A soft fault is an excessive but manageable condition wherein the controller is requesting 'I'm still working but come and look at me' service. A hard fault accompanies a forced shut down due to a condition that has elevated beyond manageable.
- **Control connections** of the essential analog I/O functions are the **same** as all other Plasma Block® products.
- PDM, Voltage and Frequency potentiometers have their own jumper selection for onboard control if desired.
- Complex and thorough onboard electronic short circuit protection prevent nuisance circuit board failure due to accidental field wiring errors.
- Power connections are located at the rear and control connections at the front of the product to enable integrators to construct 'plug & play' mounting.
- **Military grade conformal coating** eliminates problems associated with condensation and mold, and greatly retards damage caused by accidental ozone exposure.
- Like all other Plasma Block® products, the feed gas supply must be either PSA concentrator or bottle feed of at **least -60°F dew point, filtered, positive-pressure oxygen.**
- PTI will set up and tune units to the customer's desired specifications:
  - Oxygen pressure – 5 to 100 psi (0.34 to 6.8 bar) [UL 5x rated]
  - Oxygen flow liters/minute - (no min - 80 LPM) or equivalent SCFH
  - Heat load BTU/Hr – 8200 (34.4 Kcal/Hr)
  - Oxygen/ozone Inlet / Outlet compression fittings (none, 3/8", 1/2"(std), other)
  - Water compression fittings (none, 3/8"(std), 1/2", other)
  - Also available with manifold style porting
  - Voltage input: Must be DC from rectified 208 – 240 VAC mains (Consult factory)
  - Dimensions: 20L x 18H x 4W (508 x 457 x 102) inches (millimeters)
  - Weight: 59 lbs (26.8 Kg)

Performance:

