HIGH FREQUENCY ARC STARTER
Model HF-2000

PRODUCT DATA SHEET

KEY FEATURES:

* For up to 80 kW Power Supplies
* Rugged Design for Production Environments
* Use with Bay State CP-Series Control Console
* Compatible with PG-Series Plasma Guns
HF-2000 High Frequency Arc Starter

The HF-2000 High Frequency Arc Starter is designed for long life and ease of use in production plasma spray applications. The HF-2000 integrates with Bay State CP-series plasma control consoles to start the plasma spray gun by superimposing high frequency voltage on the DC output of the plasma power supply. Once the arc is initiated, the plasma power supply maintains the arc and the HF-2000 ceases high frequency operation.

The HF-2000 can be used with all Bay State PS-Series power supplies. This unit allows the operator to monitor plasma gun arc voltage by filtering out the high frequency component during plasma gun arc initiation. Connection between the plasma gun and HF-2000 is made through a high dielectric connector located on the faceplate of the HF-2000. A high voltage cable capable of 30,000 volts connects the PG-series PlasmaGun to the HF-2000.

SPECIFICATIONS FOR MODEL HF-2000:

- **Weight:** 100 lb. (45 kg)
- **Width:** 22 in. (559 mm)
- **Length:** 25 in. (635 mm)
- **Height:** 14.7 in. (373 mm)
- **Output:** 1μs and 1 pulse per supply voltage half-wave, 9.5 kV high voltage peak
- **Input Voltage:** 115 VAC, 50/60 Hz