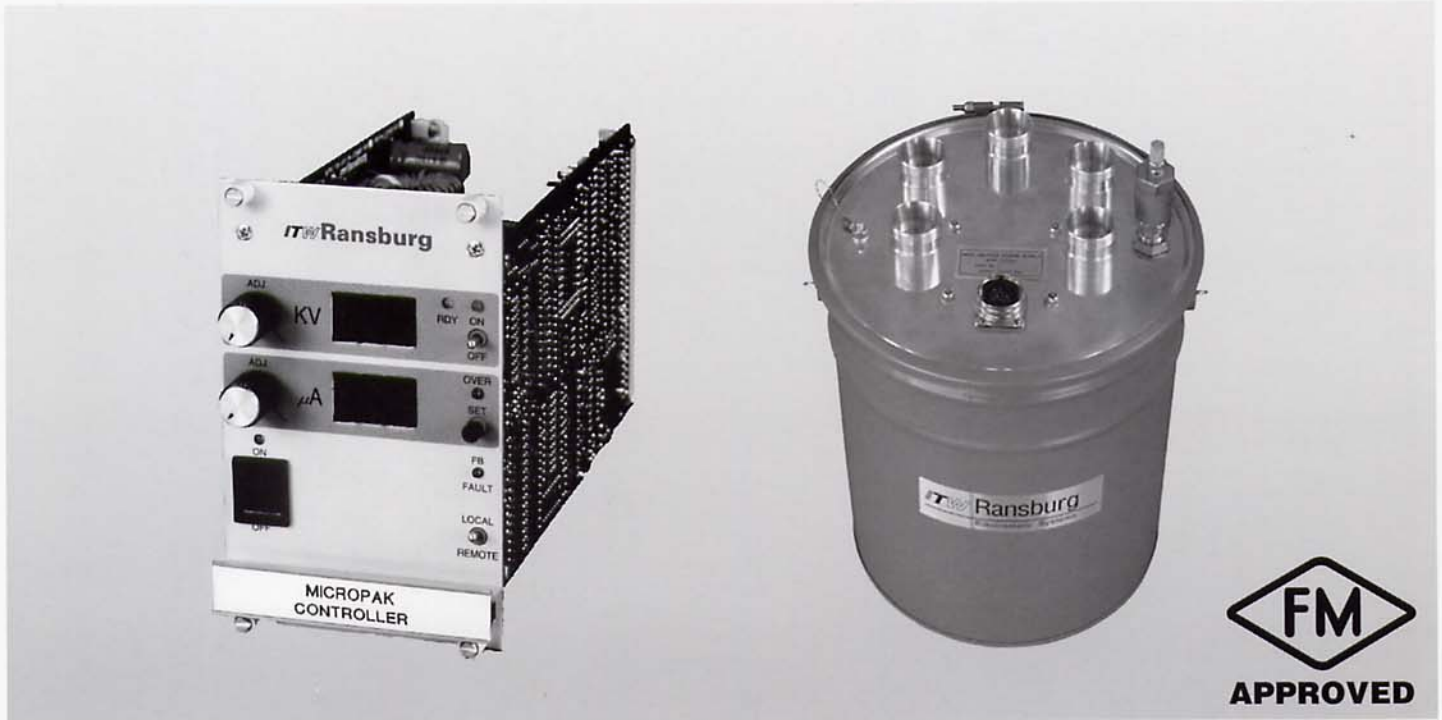


MicroPak™ Industrial Power Supply



System Description and Operation

The ITW Ransburg MicroPak™ Controller in combination with the Industrial LEPS5002 Power Supply is used to provide high voltage for a variety of industrial electrostatic application equipment. The MicroPak Controller uses a combination of proven high voltage generator technology and a microprocessor-based control for diagnostic and communication functions. The controller is packaged in standard rack mounted Eurocard format for easy access and system integration.

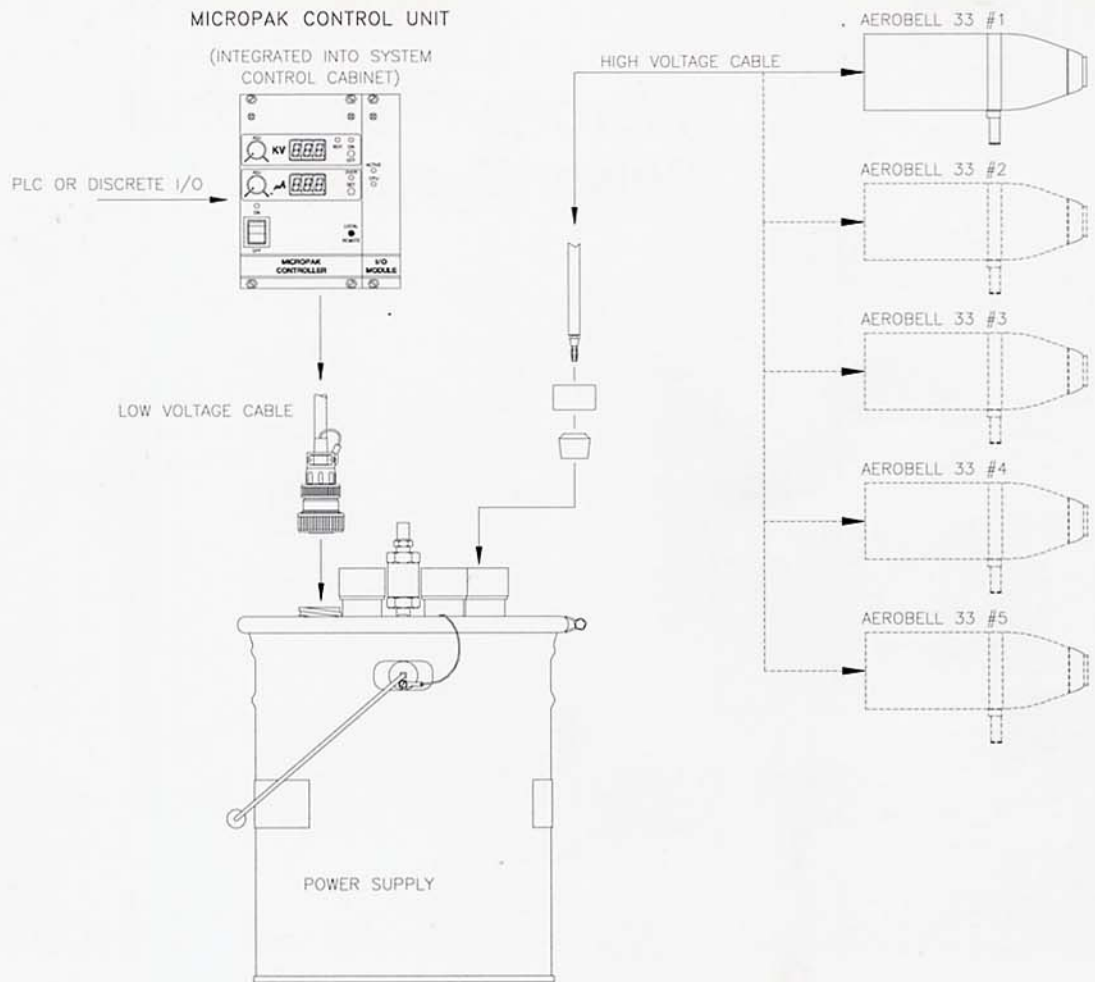
Safety Features

The MicroPak Industrial Power Supply System is listed by Factory Mutual when used with Aerobell 33™, Turbodisk 33™ and REA III™ automatic gun applicators and provides the ultimate in operational safety for electrostatic finishing systems. The control unit continuously monitors and controls the high voltage output and current. Safety circuits include a user adjustable static current limit, voltage reduction current buffer and circuit fault conditions.

LEPS5002 Power Supply

The Power Supply is a high power, heavy duty source of high voltage that provides rugged, reliable operation for up to five rotary bells or Turbodisk applicators without the need of a junction tank. A high voltage junction tank is available when more than five applicators are connected to the power supply.

A low voltage output from the MicroPak Controller is multiplied to high voltage within the LEPS5002 Power Supply. The Power Supply and Resistive Junction Tank, if required, can be located near the spray applicators, which eliminates the need for long runs of high voltage cable.



TYPICAL SYSTEM

Specifications

POWER SUPPLY

- Output Voltage:** 0-100 kV
Output Current: 0-1000 μ A total for all (5) outputs
Input: 0-28 V from control unit
Dimensions: 12" diameter x 13.5" height (30.5cm x 34cm)
Weight: 43 lbs. (19.5 kg)

CONTROL UNIT

- Size:** 100 x 160mm Eurocard module. Up to (4) control modules per 19" rack.
Input Power: 28 VDC at 6 Amps (Full load output)
Controls:
- 1) Direct Allen-Bradley RIO communication. This requires an additional Node Adapter Module that plugs into the rack directly next to the MicroPak Controller.
 - 2) Discrete signals. This requires an additional I/O Module that plugs into the rack directly next to the MicroPak Controller.

ITW Ransburg

Electrostatic Systems

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