DESCRIPTION:

The SHD-007 is an ideal solution for the problem of electrostatic discharge caused by the use of DI water. The system is equipped with a special membrane that mixes the CO2 gas into the water flow, thus controlling the DI water resistivity. The design of the SHD-007 Reionizer System using the injection of carbonated water from a mixing tank into the high-pressure pump to eliminates the corona in the jet stream and prevents slow deterioration of the workpiece. It features straight forward and user friendly controls that allow versatility in application of the pure water process.

FEATURES:

- Warming Light for conductivity out of range
- Digital Resistivity Meter that monitors the output of the D.I.-Water resistivity.
- CO2 bubbles trap to help eliminate excess CO2 in the D.I.-H2O Line.
- Check valve to isolate the CO2 from the D.I. Water source.

APPLICATIONS:

- High Pressure DI water for cleaning Photomasks and Wafers Infrared Heat Lamp for Complete Drying
- High Pressure DI water for cleaning Flat Panel Glass Substrates
- Low Pressure DI water for rinsing Wafers in Rinser dryers

Facilities Requirements For CO2 Mixer System

Water (typically De-ionized):
- Required: 40 to 50 PSI, 0.5 - 1.5 GPM intermittent
- Fittings: 1/2” Compression (provided)

CO2:
- Required: 50 PSI 0.025 CFM, Grade 4: 99.99% instrument purity required.
- Fittings: 1/4” Compression (provided)

Power: 120V

Dimensions:
- Height: 20”
- Width: 16”
- Depth: 16”

Drain (For Degasifier Option):
- Fittings: 1/4” Compression (provided)