



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 work-piece. 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)