DESCRIPTION:
The ILR400 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 ILR400 In-line D.I. Water Reionizer System is based on the latest technological developments in its field. It features straightforward and user-friendly controls that allow versatility in application of the pure water process.

FEATURES:
- Up to 4.0 Gal./Min. Reionized D.I.-Water
- Operating ranges of 0.02 MegOhms to 1.2 MegOhms.
- Digital Resistivity Meter that monitors the output of the D.I.-Water resistivity.
- Closed loop feedback system with proportional valve and PID Controller to insure consistent reionization at a set point for a variable D.I.-H2O flow rate.
- No D.I.-Water reservoir to allow bacteria growth.
- Check valve to isolate the CO2 from the D.I. Water source.
- N2 purge and D.I.-Water trickle to eliminate bacteria growth during periods of shutdown.

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
- High Pressure DI water for cleaning Wafers during Dicing operations
- Low Pressure DI water for cooling the Dicing blades
- Low Pressure DI water for rinsing Wafers in Rinser dryers

FACILITIES REQUIREMENTS:
Water (typically Deionized):
- Required: 60 to 70 PSI, at 6 GPM
- Required: 25° C maximum temperature
- Fittings: 1/2” MPT x 5/8” compression

Power:
- Required: 208-250VA, 10 Amps, 50/60 Hz, single phase
- Fittings: Plug, 15amp, 220 Volt, NEMA L6-15P

N2:
- Required: 60 PSI filtered & 1 CFM minimum
- Fittings: 1/4” tube Compression fitting bulkhead (provided)

CO2:
- Required: 60 PSI 0.10 CFM, Grade 4 - 99.99%
- Fittings: 1/4 Compression bulkhead (provided)

Drains:
- Bubble Trap (degasser):
  - Required: 0.5 GPM Intermittent
  - Fittings: 1/4 Compression (provided)

Water/CO2 Interface (water trap):
- Required: 0.5 GPM
- Fittings: 1/4” Compression (provided)

Bypass:
- Required: 0.5 GPM max.
- Fittings: ¼ Compression (provided)

Exhaust:
- Required: Greater than 1CFM
- Fittings: 3” Flexible duct & clamp (Provided)