



DESCRIPTION:

The ILR500S an ideal solution for the problem of electrostatic discharge caused by the use of De-Ionized Water (DI-H₂O). The ILR500S is a mixing system that provides the capability of combining a Surfactant or other compatible chemistries with DI-H₂O In-Line in adjustable ratios; with resistivity of the combined liquids measured to determine that the solution is at a resistivity low enough to be free of electrostatic generation and to determine that mixing is taking place. Additionally, when used with semi-conductor dicing saws, the ILR500S provides a Water/Surfactant cooling/flushing solution that will put sawing debris in colloidal suspension for later cleaning. The system also allows for the capability to vary the Ph of the reionized solution by selecting surfactant or chemistry. The ILR500S can be hooked up to high-pressure pumps with the addition of an optional reservoir that eliminates pump surge from reciprocal pumps. The system features safe guards that assure that the mixed solution is at the correct level utilizing a Go-No-Go resistivity meter; surfactant reservoir level sensing; and a bypass to drain with a timer for water not at proper resistivity. The design of the ILR500S In-line DI-H₂O 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 and conditioned process DI-H₂O.

FEATURES:

Mix Ratio/% Surfactant to DI-H ₂ O:	1:500 to 1:50/0.2 to 2.0% (other ratios optional)
Resistivity Monitoring:	GO-NO-GO gauge @ 0.1 Megohms
Surfactant Sensing:	Warning and Shutdown
Surfactant Reservoir:	5 Gallon capacity
Min/Max Flow:	0.04 GPM to 10 GPM
Max. Output Pressure:	Flow Dependant 10-24PSI less than input
Max. Temperature:	Up to 100°F/40°C
Automation:	Auto OFF when No flow
Dimensions:	20"W x 24"D x 43"H



OPTIONS:

Boost pump to increase output pressure.
 Mix Ratio/% Surfactant to DI-H₂O:
 1:1500 to 1:500/0.07 to .2%
 1:100 to 1:20/1.0 to 5.0%
 1:33 to 1:10/3.0 to 10.0%
 Surge suppression reservoir to allow mixing prior to use with high pressure pump

FACILITIES:

Water:	Purity:	Deionized 18megohm
	Required:	15GPM @ >60PSI
	Fittings:	¾" Tube
Power:	Required:	90-250VAC-10Amp
		50/60Hz single phase
	Fitting:	Plug, NEMA L6-15P
Nitrogen:	Required:	60PSI @ 1CFM
	Fittings:	¼" Tube
Drain:	(will vary with application)	

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