



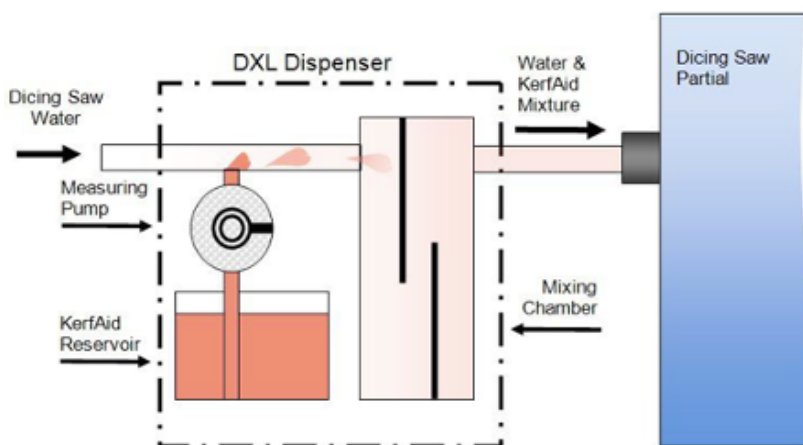
ITS DXL 100/200 SURFACTANT INJECTING SYSTEM

Introducing the ITS DXL 100/200 Series Injector. Our re-engineered version of the classic Dynatex DXL Series incorporating new updates to meet the stringent environment of the cleanroom. Designed for Wafer Dicing Surfactant (WDS) input DIW cutting water dosing.

- A 1:1 Saw to Dispenser – ie. Serves one saw, our simplest dispensing system.
- Draws directly from 1, 1.25, and 5 gallon packaging containers.
- Accommodates a ITS-RRT 5 gallon reservoir for ease of refilling in a cleanroom.



The DXL Dispensing system precisely doses the predetermined amount of the Dicing Surfactant from the container/reservoirs of choice into the flow of the factory supplied H₂O/DIW utilizing a precision dosing metering pump and through a static mixer technology in-line combination to create a thoroughly mixed formulation of DIW+Dicing Surfactant for use in the saws saw & blade cooling nozzles and / or the wafer flood nozzles.



The pump is an electromagnetic pump offering precise chemical injection with manual on/off for simple effective and reliable performance and control. High Speed operational capacity to avoid slug-feed effects.

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v3.190724

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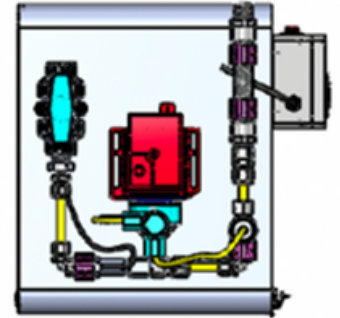


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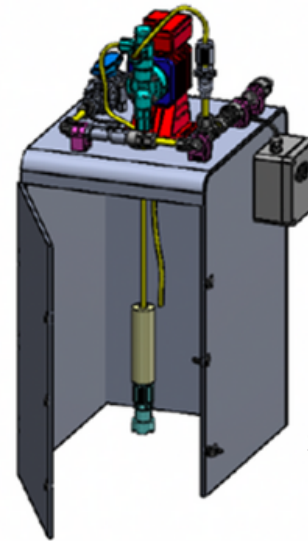


System Specifications

- **Enclosure:** ESD, Scratch Resistant Plexiglass, Stainless steel clasps, Poly Hinges. Fully Finished and Clean room suitable.
- **Min/Max Water Flow Rate:** 1 -15 Liter per minute
- **Power :** 220 - 240 VAC, 50/60 Hz, 5 Amp
- **Max Inlet Pressure:** 80psi
- **Nominal Outlet Pressure:** 50-75psi
- **Max Outlet Pressure:** 85psi
- **Inlet:** ½” BSPT
- **Outlet :** ½” BSPT
 - Tubing fitting supplied for universal installation



Top view



Side view

Case

Height - 55cm
Length - 35cm
Width - 28.5cm

Pump

Height - 17.5cm
Length - 25cm
Width - 8.5cm



Pump Specifications

- **Pump Programable Access:** Digital controller (Speed/Stroke length) (v200) or Analog Control (v100)
- **Check Valves:** Precision ball, seat and guide assembly
- **Diaphragm:** PTFE Coated EPDM solid core w retainer plate
- **Mixing ratio:** 1:250 - 1:3,000 parts surfactant to DIW
- **Pumping Capacity:** up to 0.038 Liters per minute
- **Controls:** Pump Stroke Rate and/or Pump Stroke Length depending on final pump selection
- **Operating temperatures:** 50-90D F
- **Humidity :** 20-80%
- **Noise level:** Quiet



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