



## Yamada UHP-E Pump Conversion

---

Yamada and EMI have been partners in handling high purity pump applications for over 10 years. The Yamada F Series pump is a standard in the industry, hailed by users for its high quality and reliability. Now, this pump is available with two popular requests – no metallic components in the liquid or air path and less maintenance.

Announcing the UHP-E pump. Using a new, patented Yamada diaphragm, made from high strength Teflon, and non-metallic components in the wetted and air sections, the possibility of ionic contamination disappears.



Stronger diaphragms mean longer life, so we have increased the pump's warranty to 16 million cycles, or 2 years from documented startup, whatever comes first. EMI repairs or conversions are warranted for 1 year from date of installation (or 16 million cycles, whatever comes first).

Re-torque has been addressed with a proprietary EMI design. The original Yamada system was tested and optimized to change key elements necessary for long torque life – spring size, unit loading and sufficient spring travel for 16MM+ cycle life.

Re-torque design criteria was established based on our historical data from over 2000 Yamada repairs. This data was verified through empirical testing and used as the basis of the program.



Further data was gathered from pump tests, verified, and research conducted into the proper arrangement for the final product. After a few iterations and trials, the final design was built.

The UHP-E pump has been proven to hold torque through 16 million cycles. This eliminates periodic re-torque, allowing the user or chemical management company to focus on other, high priority tasks.

EMI has been authorized by Yamada to take the UHP-E to the US market. We use our High Purity Repair Center and 11,000 sq. ft. machine shop to handle conversions of standard pumps to this new design. Your DP-20F pump can be repaired, converted to a UHP-E and shipped within 48 hours.

Every repair or conversion is recorded by pump serial number and kept in our database. Each pump is performance tested and a full repair analysis/test report sent with each one. We review repair records on each pump prior to repair, to catch trends or repeat problems. Ask for our High Purity Repair Brochure for more information on EMI High Purity Pump Repair.