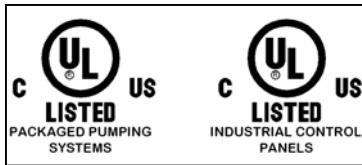


Case Study

Deionized Process Cooling Water System—40430

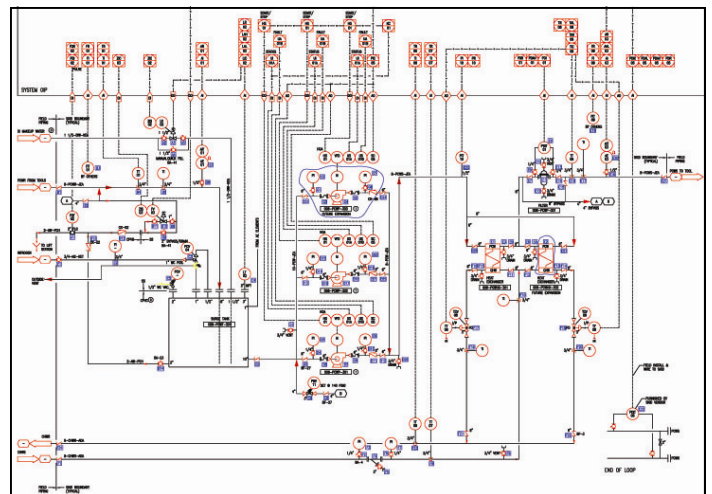
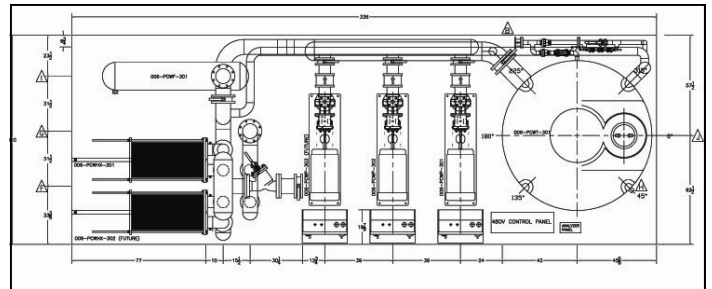
SYSTEM DESCRIPTION

The De-ionized Process Cooling Water System, which is utilized in the microelectronics industry, is engineered and manufactured to circulate cooling water to the process while maintaining system Resistivity within acceptable limits.



PERFORMANCE DATA

- 1,000 GPM Pumping capacity @ 125 psig; Base-mounted Pumps with C-faced Adapter
- 1,600 Gallon Polyethylene Storage Tank with Nitrogen Blanketing System
- 20 Micron Stainless Steel Filtration
- 60 deg F Cooling Water, utilizing 48 deg F Source Chilled Water
- Seismic Isolation Mounting
- Rosemount Pressure, Differential Pressure, and Temperature Instrumentation
- Fisher Control Valves
- Allen Bradley SLC-504 System Controller with Panel-View 1400 Touch Screen Operator Interface
- Variable Speed Pump Controls
- Automatic Resistivity Blowdown Controls
- Design and Layout based on Access Requirements
- Square-D 58M Variable Frequency Drives



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