

**Model #  
PCW-DIO**

**Deionized Process Cooling Water**

**Open System, Variable Speed w/ Storage Tank**



SPECIFICATIONS	
System Arrangement	Duplex, Triplex, Quadraplex
Storage Tank	Nitrogen Blanketed Polyethylene
Available System Flow Rate	50 to 5,000 GPM (3 to 300 LPS)
Standard Power	460/3/60 (400/3/50 upon request)
Working Pressure	175 psig (11.9 barg)
Working Temperature	< 200 deg F (< 90 deg C)

**Options:**

- **Magnetically Driven, Centrifugal Pumps**
- **Centerline-mounted, End-suction, Centrifugal Pumps**
- **Custom, Space Savings Arrangement**
- **Post-filtration**
- **Multi-staged Centrifugal Pumps**

Designed and manufactured with exceptional quality, the *EnviroSep PCW-DIO*, Deionized Process Cooling Water Package with Storage Tank, for Open Systems, is specifically utilized for providing process cooling water in applications requiring Deionized or High Resistivity fluid, such as microelectronics manufacturing and research. The Variable Speed System allows the system to meet system requirements, while consuming minimal electrical energy. The Nitrogen-Blanketed, Storage Tank provides additional system volume for systems which require precision temperature control in intermittent load. System Lag Pump(s) are automatically staged On/Off based on actual system requirements. *EnviroSep* engineers can provide system designs to meet specific site criteria.

**Standard Features:**

- **State-of-the-Art PLC Based System Controller, with Color Touch Screen Interface**
- **Variable Frequency Drives**
- **On-Demand, Auto Pump Staging, based on actual pump energy load**
- **Auto System Temperature Controls**
- **Auto System Restart**
- **Cooling Water Storage Tank, for Intermittent Demand/Loads**
- **System Resistivity Controls with Auto Blowdown**
- **System Pressure and Differential Pressure Controls**
- **Stainless Steel Main Headers (PVC Optional)**



REPRESENTATIVE OPERATOR INTERFACE DISPLAY

