



## EC-200-PP SIDE-STREAM PARTICLE PRECIPITATOR

### TECHNICAL DESCRIPTION

**APPLICATIONS: HVAC OPEN LOOPS <500 TONS AND  
CHILLED WATER/HOT WATER CLOSED LOOPS**



The smallest of the ElectroCell product line, the EC-200-PP is designed for HVAC open loops less than 500 tons and closed loops under 4,000 tons. The EC-200-PP can also be utilized on hot water closed loops.

ElectroCell's patented technology incorporates three stages in the process of removing solids. The EC-200-PP is not a mechanical separator or media filter with backwash cycles; it is a particle precipitator that will typically remove 98-99% of all suspended solids down to 1 micron.

When used on an open loop (<500 tons) this system employs a conductivity meter interface to the chemical company's meter and uses bleed cycles to purge solids that have been collected through the day (bleed to drain). When used on a closed loop this system's electronic programmable clock can periodically purge the system of collected solids to a floor drain.

The EC-200-PP is designed to perform for 15 years and is easy to maintain, requiring approximately 20 minutes every 90 days to rinse the static mixers in a utility sink and wipe the electrodes clean. There are no parts to replace. This unit plugs into a 120V receptacle and uses less than 1 amp.

***NOTE: Units installed on Chilled Water systems must be insulated***

### SPECIFICATIONS:

Weight: 600 lbs  
Footprint: 60"L x 32"W x 60"H  
Construction: Steel w/Stainless Steel Vessels  
2" Inlet and Outlet  
1.5" Drain w/flow meter  
Electrical: 120V AC, <1` Amp  
Pressure: 150 psi max (Optional 300 psi avail)  
Temp Range: 50°F to 200°F  
GPM: 30-70 GPM

### COMPONENTS:

Two Stainless Steel Vessels  
Two Static Mixers  
One Pre-Treatment Electrode  
One High Voltage Power Supply  
One High Voltage Electrode  
Two Auto-bleed/purge Actuated Valves  
One Programmable Clock (Closed Loop)  
Conductivity Meter Interface (Open Loop)  
120VAC Plug (typical receptacle)  
Optional Circ Pump (typically not needed)

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