EC-200-PP SIDE-STREAM PARTICLE PRECIPITATOR

TECHNICAL DESCRIPTION

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

The smallest of the ElectroCell product line, the EC-200-PP is designed for HVAC closed loops less than 500 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 closed 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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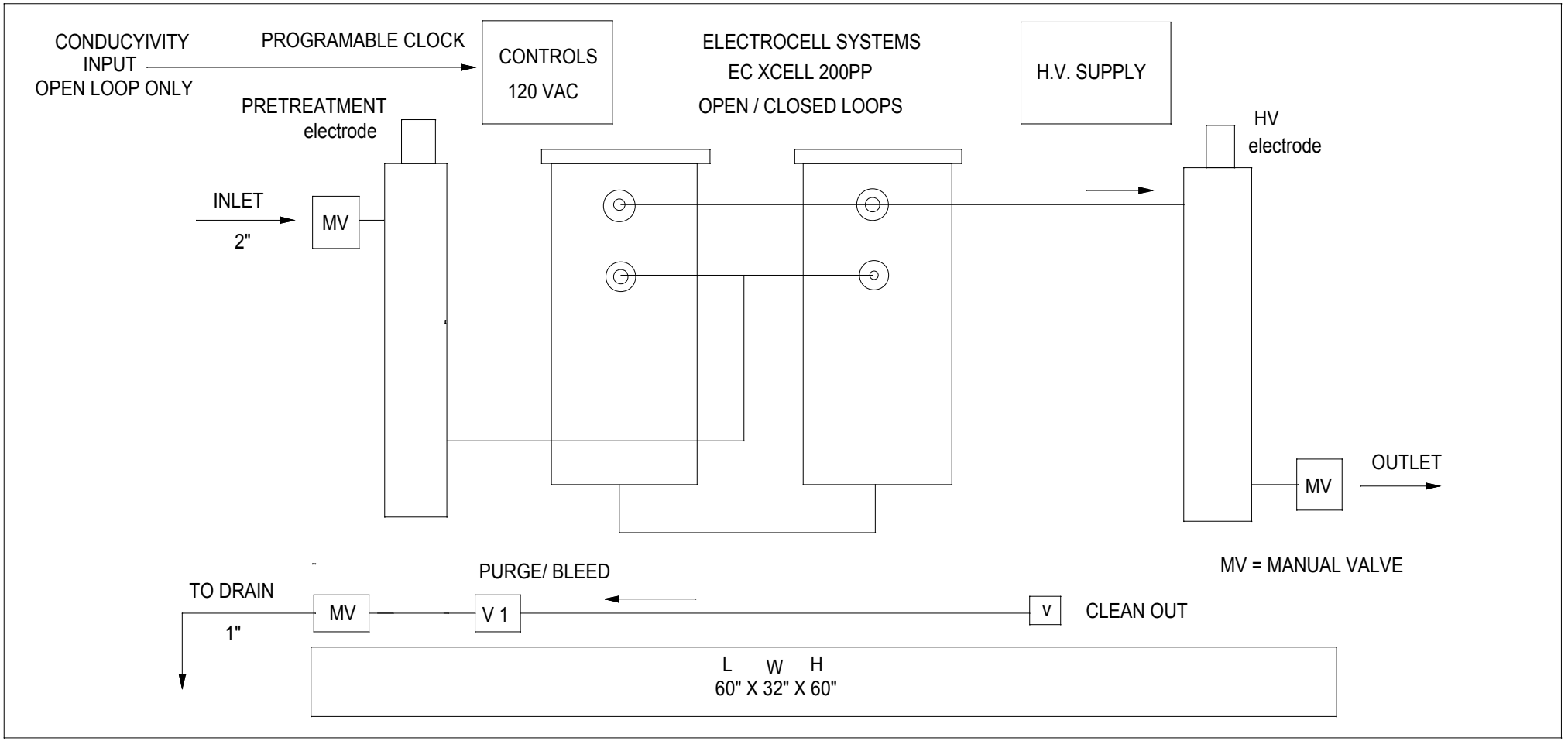
CONDUCYIVITY
INPUT
OPEN LOOP ONLY
PROGRAMABLE CLOCK
CONTROLS
120 VAC
ELECTROCELL SYSTEMS
EC XCELL 200PP
OPEN / CLOSED LOOPS
H.V. SUPPLY
PRETREATMENT
electrode
HV
electrode
INLET
2"
MV
MV
OUTLET
MV = MANUAL VALVE
PURGE/ BLEED
TO DRAIN
1"
MV
V 1
V
CLEAN OUT
L W H
60" X 32" X 60"