

Baldwin™-Series Model 5210 Classic Cooler

Perma Pure's Baldwin™ Classic Series Model 5210 thermo-electric cooler is specifically designed for high ambient temperature & high water volume applications. The model 5210 features an oversized heat sink and high performance thermo-electric devices for high heat removal capacity. Heat sinks used in the Baldwin-Series thermo-electric coolers are made from high heat transfer extruded aluminum with large 3/4" thick end plates. The model 5210 incorporates a special controller to run at high ambient temperatures up to 110°F (43°C).

Physical Description

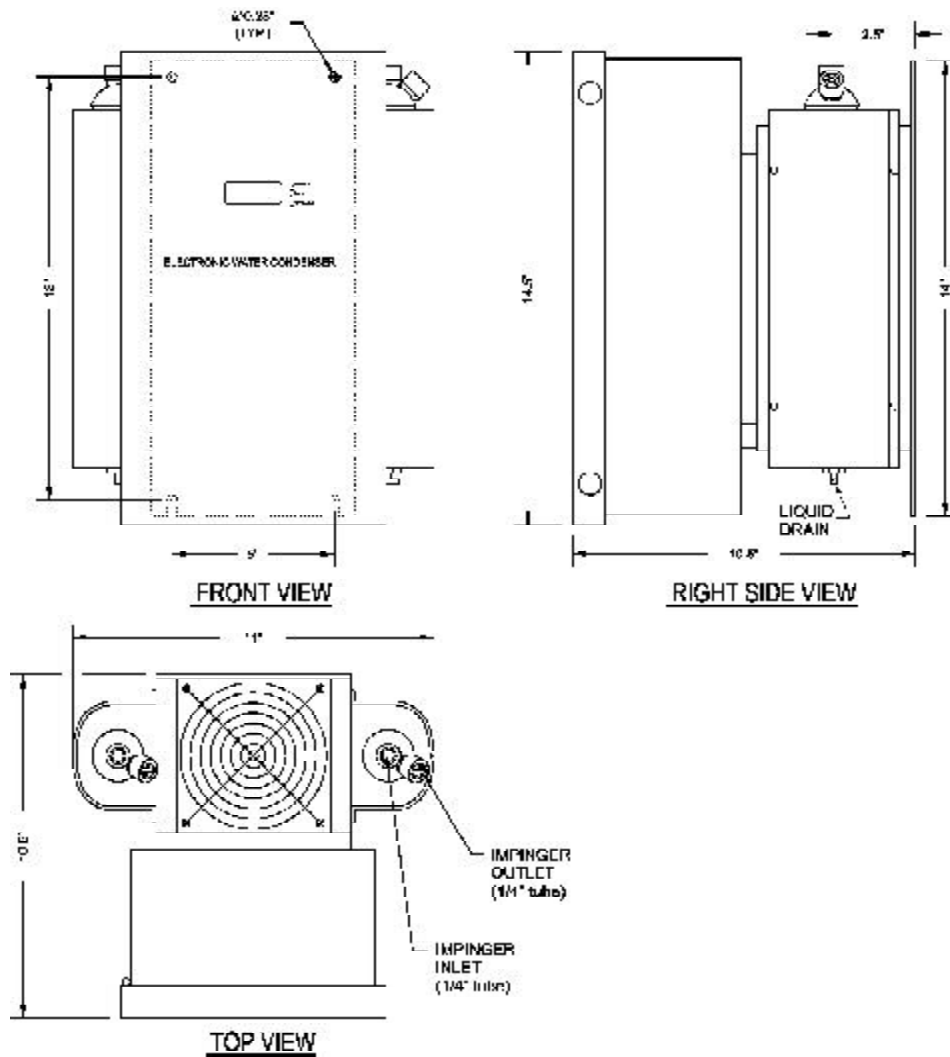
- Single stream system
- 2 x 10" heat exchangers connected in series only
- 1 Passive (cooled to ambient), 1 Active (cooled to 4°C) impingers
- LCD temperature display

Operating Specifications

Sample gas flow range	3 - 8 lpm 8.4 - 17 scfh
Average inlet dew point at rated flow	175°F @ 43% H ₂ O 76°C
Dimensions	14.55" x 11.12" x 10.57" HWD 37.0 x 28.2 x 26.8 cm
Weight	27 lbs 12.0 kg
Maximum inlet sample temperature	400°F / 205°C, glass impingers 260°F (130°C) Kynar Impingers
Maximum inlet pressure	45 psig 3 bar / 2250 mmHg
Maximum heat exchanger pressure drop	< +1 in. H ₂ O
Ambient temperature range	83 - 104°F 0.6 - 40°C
Outlet sample gas dew point	-11°F -5°C
Inlet tubing connection	3/8" tube compression fitting
Outlet tubing connection	1/4" tube compression fitting
Drain tubing connection	3/8" tube compression fitting
Thermoelectric elements	40 mm
Voltage	115 (230 optional) VAC 50/60 Hz
Power supply	250 Watts
Cooling down time	Less than 5 minutes



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Classic Model 5210 Part Numbers

4C - 5210 -		01	02	03	04
Option 01	Voltage (Required option)				
1A	115 VAC, 50/60 Hz				
2A	230 VAC, 50 Hz				
Option 02	Impingers (Required option)				
ES	(2) 10" stainless steel, EZ-Clean™ twist-apart impingers				
G	(2) 10" Glass impingers, threaded with fittings				
K	(2) 10" Kynar® impingers				
ED	(2) 10" Stainless-Durimet®+ coated, EZ-Clean, twist-apart impingers				
Option 03	NJ Thermocouple; lead wires only; available on SG impingers only (ED&ES)				
NJ	New Jersey thermocouple temperature sensor				
Option 04	Water slip sensor				
WS	Water slip sensor with inline holder; 1/4" Kynar tube fittings				



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