

Baldwin™-Series Model 5210 Classic Cooler

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



Physical Description

Single Stream System

2 x 10" Impingers connected in series only

1 Passive (cooled to ambient), 1 Active (cooled to 4°C) impingers

LCD temperature display

Operating Specifications

Sample gas flow	Up to 8 LPM Up to 17 SCFH
Average inlet dew point at rated flow	20% H ₂ O (60°C DP) @ 5 LPM
Dimensions	14.55 x 11.12 x 10.57 in. HWD 37 x 28 x 26.5 cm
Weight	27 lbs 12 kg
Maximum inlet sample temperature	400°F (205°C) SS, glass impingers 280°F (138°C) Kynar impingers
Maximum inlet pressure	15 psig 1 bar
Maximum heat exchanger pressure drop	+1 in H ₂ O
Ambient temperature range	33-110°F 0.6-43°C
Outlet sample gas dew point	41°F 5°C
Inlet tubing connection	3/8 in. compression
Outlet tubing connection	1/4 in. compression
Drain tubing connection	1/4 in. barb
Voltage	115/230 VAC 50/60 Hz
Power supply	250 Watts
Startup time	Less than 3 minutes



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