

# Baldwin™-Series 8210D Digital Cooler

## New Digital Control System, Same Reliable Performance

The new Baldwin™-Series digital 8210D thermo-electric coolers by Perma Pure are a powerful combination of the proven track record of Baldwin™-Series classic coolers with a new digital control system. This combination ensures reliable performance for high flow rate, high ambient temperature, and high water volume applications.

### Key Features

- Reliable dedicated Digital Control System keeps your system operating efficiently
- Advanced P.I.D. control algorithm increases temperature control precision to maintain analysis accuracy
- Continuous display of temperature eliminates guess work – a quick look tells it all
- Alarm outputs provide alarm interface capability for your data acquisition system as well as direct control of sample pumps
- Configurable for simple control of multiple sample streams
- Individual water slip sensors and alarm outputs safeguard against upset conditions
- Gas stream temperature output allows direct monitoring, eliminating guess-work
- 115 or 230 VAC models
- Coming Soon – MODBUS for remote monitoring

All Baldwin™-Series coolers use thermo-electric elements (Peltiers) to cool the sample gas to the desired dew point temperature. Condensate can be removed as it forms by an available peristaltic pump.

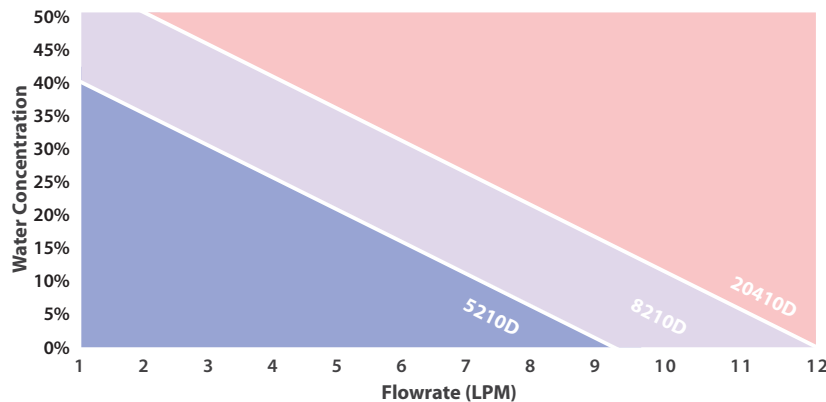
### All Baldwin™-Series coolers include:

- Dependable water removal
- Low maintenance
- Single or dual sample streams
- EZ-Clean twist-apart impingers
- Durinert coated impingers
- Alarm relays protect analyzers



## Standard Capacity from 4 to 10 LPM

Model	Standard Capacity	Impingers		Dimensions (H x W x D)	Weight
		Passive	Active		
8210D	4-10 LPM (8.5-21.2 SCFH)	—	2 x 10 in	15 x 13 x 12 in (38 x 33 x 30 cm)	38 lbs (18 kg)



## Intelligent Product Numbering System

Follow the below 5 steps to determine your product number.

Step 1: Select Model (Required)	
8210D	4C-8210D
20410D	4C-20410D
Step 2: Select Voltage (Required)	
115 VAC, 50/60 Hz	1A
230 VAC, 50 Hz	2A
Step 3: Select Impingers (Required)	
10" Stainless Steel, EZ Clean Twist-Apart Impingers	ES
10" Glass Impingers, threaded with fittings	G
10" Kynar Impingers	K
10" Stainless-Duriner coated, EZ Clean Twist-Apart Impingers	ED
Step 4: Select NJ Thermocouple Option (Stainless Steel and Stainless-Duriner Coated Impingers Only)	
New Jersey thermocouple temperature sensor, series configuration	T1
New Jersey thermocouple temperature sensor, parallel configuration	T2
Step 5: Select Water Slip Sensor Option	
Water slip sensor with inline flow holder; 1/4" Kynar tube fittings	WS
Water slip sensors with inline flow holder; 1/4" Kynar tube fittings, parallel configuration	WP

### Example Product Number

<b>4C-8210D</b>	<b>1A</b>	<b>ES</b>	<b>T1</b>	<b>WS</b>
Cooler	Voltage	Impingers	NJ Thermocouple	Water Sensor

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