

# Baldwin<sup>™</sup>-Series 8210D Digital Cooler

## New Digital Control System, Same Reliable Performance

The new Baldwin<sup>™</sup>-Series digital 8210D thermo-electric coolers by Perma Pure are a powerful combination of the proven track record of Baldwin<sup>™</sup>-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

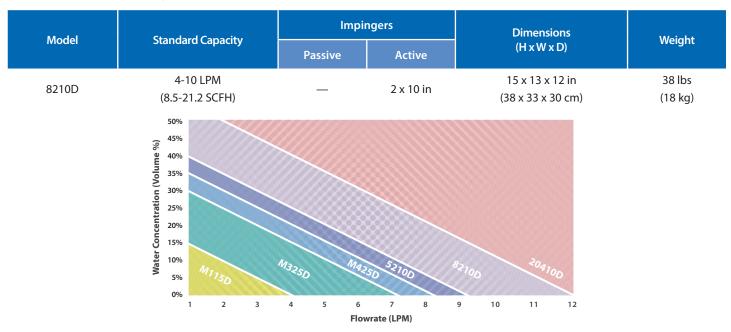
All Baldwin<sup>™</sup>-Series coolers use thermo-electric elements (Peltiers) to cool the sample gas to the desired dew point temperature. Condensate can be removed as it forms by an available peristaltic pump.

#### All Baldwin<sup>™</sup>–Series coolers include:

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



## Standard Capacity from 4 to 10 LPM



### 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  |           |  |  |  |  |
| 10" Kynar Impingers  |           |  |  |  |  |
| 10" Stainless-Durinert coated, EZ Clean Twist-Apart Impingers  | ED        |  |  |  |  |
| Step 4: Select NJ Thermocouple Option (Stainless Steel and Stainless-Durinert Coated Impingers Only) |           |  |  |  |  |
| New Jersey thermocouple temperature sensor, series configuration                                     |           |  |  |  |  |
| New Jersey thermocouple temperature sensor, parallel configuration                                   |           |  |  |  |  |
| 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         |           |  |  |  |  |

#### **Example Product Number**

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

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