SALAERA

# Baldwin™ - Series 5210D Digital Cooler



*Sector:* **ENVIRONMENTAL**

*Sector:* **INDUSTRIAL**

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## OVERVIEW

**The Baldwin™- Series digital 5210D thermo-electric coolers** 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 guesswork – 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 guesswork
- 115 or 230 VAC models
- 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**
- ***Alarm Relays Protect Analyzers***
- **Low Maintenance**
- **EZ-Clean twist-apart impingers (Optional)**
- **Single or Dual Sample Streams**
- **Durinert-coated impingers (Optional)**

Learn more about our Baldwin™ Series Digital Cooler



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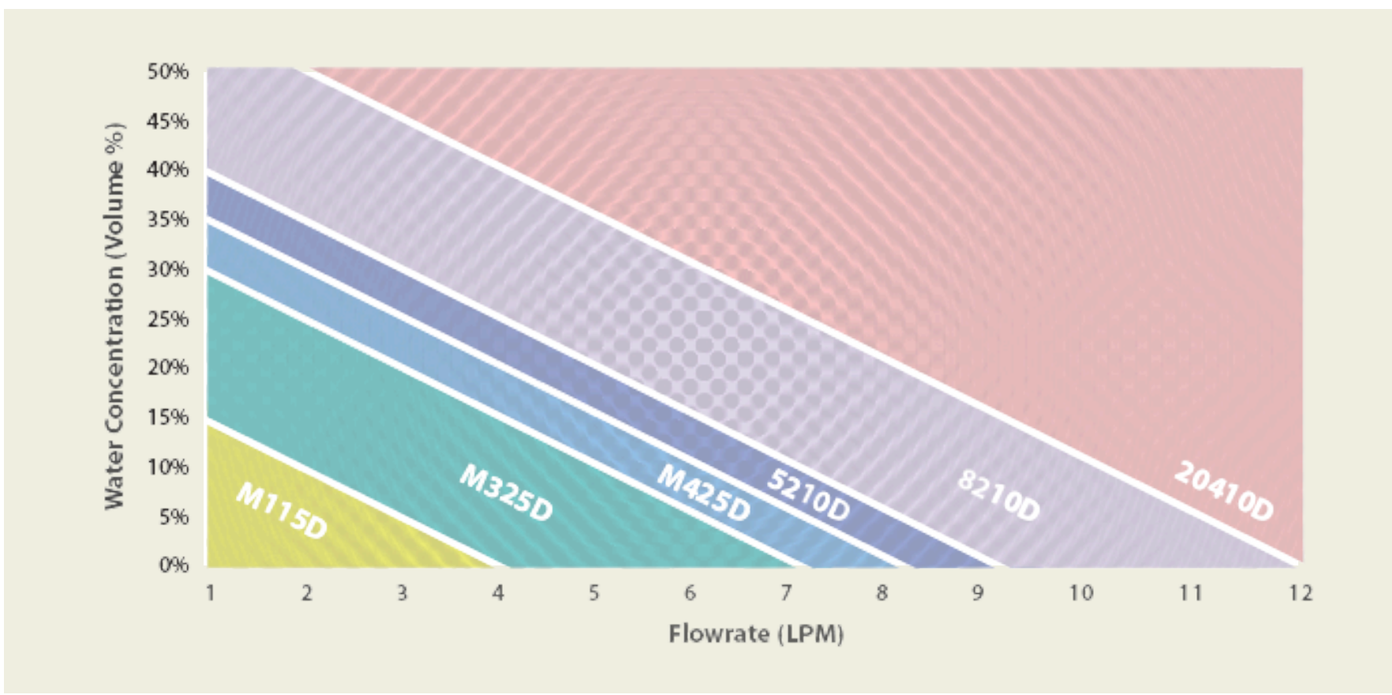
# BALDWIN™ - SERIES 5210D DIGITAL COOLER

## Specifications

| Standard Capacity from 3 to 8 LPM | |
|---|---|
| **Model** | 5210D |
| **Standard Capacity** | 3-8 LPM (6-17 SCFH) |
| **Impingers** | Passive: 1 x 10 in<br>Active: 1 x 10 in |
| **Dimensions (H x W x D)** | 15 x 11 x 11 in<br>(38 x 28 x 28 cm) |
| **Weight** | 27 lbs (12 kg) |

## Performance Charts




## Intelligent Product Numbering System

Follow the below 5 steps to determine your product number.

| Step 1: Select Model (Required) | |
|---|---|
| **5210D** | **4C-5210D** |
| **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-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; lead wires only** | **NJ** |
| **Step 5: Select Water Slip Sensor Option** | |
| **Water slip sensor with inline flow holder; 1/4″ Kynar tube fittings** | **WS** |

**Example Product Number**

| 4C-5210D | 1A | ES | NJ | WS |
|---|---|---|---|---|
| Cooler | Voltage | Impingers | NJ Thermocouple | Water Sensor |



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