

SALAERA

Baldwin™ - Series **M425D** Digital Cooler

Sector: **ENVIRONMENTAL**

Sector: **INDUSTRIAL**

Perma Pure is now part of Salaera

OVERVIEW

The Baldwin™- Series digital M425D 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
- Voltage Autosensing
- 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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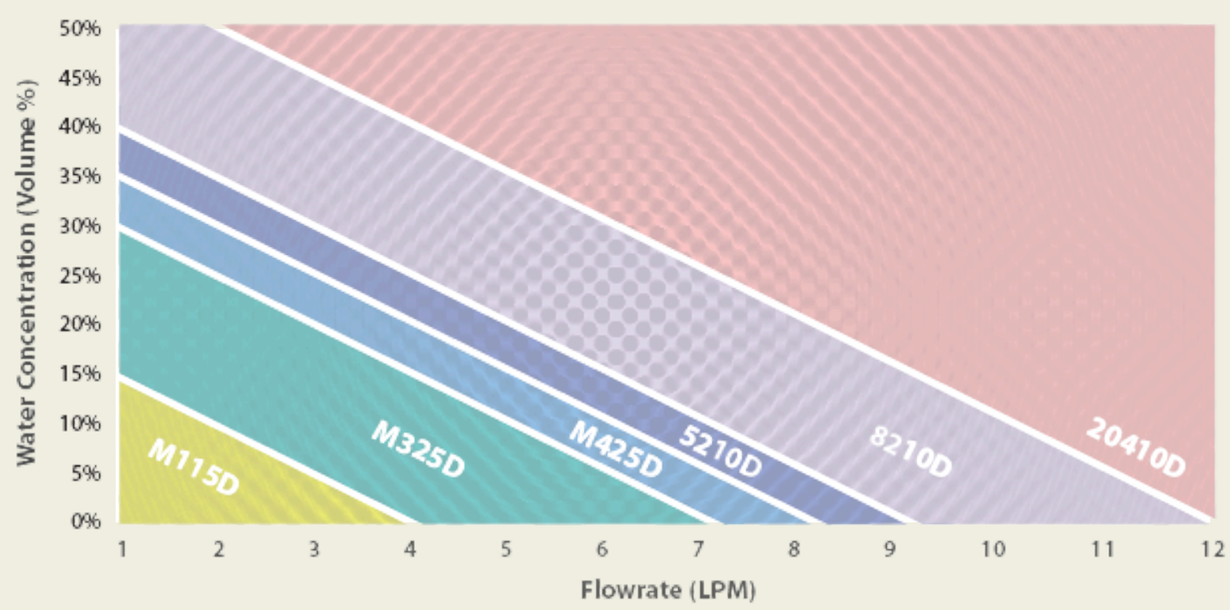
BALDWIN™ - SERIES M425D DIGITAL COOLER

Specifications

Standard Capacity from 3 to 5 LPM	
Model	M425D
Standard Capacity	3-5 LPM (7-11 SCFH)
Impingers	Passive: - Active: 2 x 5 in
Dimensions (H x W x D)	13 x 7 x 11 in (33 x 18 x 29 cm)
Weight	17 lbs (8 kg)

Performance Charts



Intelligent Product Numbering System

Follow the below 5 steps to determine your product number.

Step 1: Select Model (Required)	
M425D	**4C-M425D**
Step 2: Select Voltage (Required)	
Auto Sensing	**0**
Step 3: Select Impingers (Required)	
5″ Stainless Steel, EZ Clean Twist-Apart Impingers	**ES**
5″ Glass Impingers, threaded with fittings	**G**
5″ Kynar Impingers	**K**
5″ 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-M425D	0	ES	NJ	WS
Cooler	Voltage	Impingers	NJ Thermocouple	Water Sensor

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