

# Baldwin™-Series M425D Digital Cooler

## New Digital Control System, Same Reliable Performance

The new Baldwin™-Series digital M425D 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
- 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.

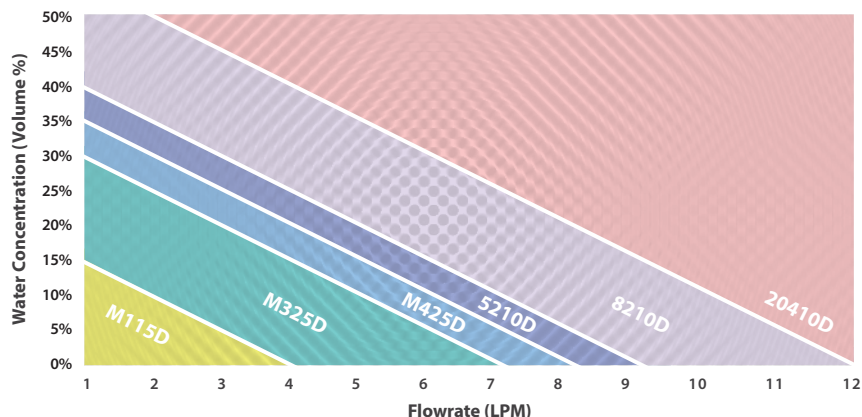
### All Baldwin™-Series coolers include:

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



## Standard Capacity from 3 to 5 LPM

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



## Intelligent Product Numbering System

Follow the below 5 steps to determine your product number.

### Step 1: Select Model (Required)

M425D	4C-M425D
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### Step 2: Select Voltage (Required)

Auto Senseing	0
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### 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
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### Step 5: Select Water Slip Sensor Option

Water slip sensor with inline flow holder; 1/4" Kynar tube fittings	WS
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## Example Product Number

<b>4C-M425D</b>	<b>0</b>	<b>ES</b>	<b>NJ</b>	<b>WS</b>
Cooler	Voltage	Impingers	NJ Thermocouple	Water Sensor

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