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

<table>
<thead>
<tr>
<th>Model</th>
<th>Standard Capacity</th>
<th>Impingers</th>
<th>Dimensions (H x W x D)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>M425D</td>
<td>3-5 LPM (7-11 SCFH)</td>
<td>Passive: — Active: 2 x 5 in</td>
<td>13 x 7 x 11 in (33 x 18 x 29 cm)</td>
<td>17 lbs (8 kg)</td>
</tr>
</tbody>
</table>

![Graph showing water concentration and flowrate relationship]

### 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 Senseing

0

**Step 3: Select Impingers (Required)**

- 5" Stainless Steel, EZ Clean Twist-Apart Impingers
- 5" Glass Impingers, threaded with fittings
- 5" Kynar Impingers
- 5" Stainless-Durinert coated, EZ Clean Twist-Apart Impingers

ES

G

K

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

<table>
<thead>
<tr>
<th>4C-M425D</th>
<th>0</th>
<th>ES</th>
<th>NJ</th>
<th>WS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooler</td>
<td>Voltage</td>
<td>Impingers</td>
<td>NJ Thermocouple</td>
<td>Water Sensor</td>
</tr>
</tbody>
</table>