Application and Design
The CVP Plus is an enhanced Constant Volume Regulator that accurately controls the maximum volume of air supplied into and exhausted from a space. The CVP Plus has an innovative spring-loaded damper that reacts to the air velocity moving through. As velocity increases, the blade moves toward closed to restrict the free area and deliver only the desired volume of air. The CVP Plus is accurate to ± 10% of setpoint in systems with a pressure range of 0.2” – 2.0 InWC. Maximum volume is easily established by setting the adjustment arm to the desired air volume, calibrated in CFM, on the front of the regulator. See inset right.

The CVP Plus uses no electricity. It is constructed of anti-microbial resins to resist the growth of mold and bacteria. Rubber gaskets around the perimeter of the damper ensure a tight, low leak seal when installed in round duct.

Accurately regulating the volume of air supplied to and exhausted from a space will save energy, improve comfort, and help achieve the indoor air quality requirements of today’s ventilation guidelines.

The CVR Plus pressure range 0.2 to 2.0 InWC.

The CVPFD features a heavy duty 24ga galvanized steel enclosure 6” or 8” deep to accommodate a fire damper. See table on back for dimensions. Custom sizes available.

Now Available with a White Aluminum Grille (40° Fixed Vanes)

### STANDARD CONSTRUCTION

<table>
<thead>
<tr>
<th>Housing Material</th>
<th>Anti-Microbial ABS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheet Metal Fitting</td>
<td>6” or 8” deep</td>
</tr>
<tr>
<td>24 ga</td>
<td></td>
</tr>
<tr>
<td>Pressure Range</td>
<td>0.2 to 2.0 InWC</td>
</tr>
<tr>
<td>Available Sizes</td>
<td>CVP04</td>
</tr>
<tr>
<td>25 to 130 CFM</td>
<td></td>
</tr>
<tr>
<td>4”, 5” and 6”</td>
<td>CVP05</td>
</tr>
<tr>
<td>25 to 130 CFM</td>
<td></td>
</tr>
<tr>
<td>CVP06</td>
<td>50 to 275 CFM</td>
</tr>
<tr>
<td>Perimeter Gasket</td>
<td>T-Shaped for a snug fit</td>
</tr>
</tbody>
</table>

### COUNTRY OF ORIGIN

100% American Made

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### LAB CERTIFIED

<table>
<thead>
<tr>
<th>UL 2043 Tested and Classified - Regulator</th>
<th>Heat release rate and smoke optical density</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Calibrated Adjustment Slider</td>
<td>ANSI/AMCA 500-D-12</td>
</tr>
<tr>
<td>UL 555C Dynamic Fire Damper</td>
<td>Reading ± 10% of the Setpoint</td>
</tr>
</tbody>
</table>

UL Assembly Available For Standard Sizes:
6x4-4”Ø, 6x6-4”Ø, 6x6-5”Ø, 8x8-6”Ø

### OPTIONS

<table>
<thead>
<tr>
<th>Options</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire or Radiation Damper</td>
<td>Grille or Not</td>
</tr>
<tr>
<td>Supply or Exhaust</td>
<td>CVR or CVP</td>
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</tbody>
</table>
Enclosure Details

Front View

Enhanced Constant Volume Regulator

Side View

24 gauge galvanized Steel throughout

<table>
<thead>
<tr>
<th>Part #</th>
<th>Grille size</th>
<th>Dia. Ø</th>
<th>Flow</th>
<th>Box Depth</th>
<th>Overall Depth</th>
<th>Fire Damper</th>
<th>Supply/Exhaust</th>
<th>Grille</th>
<th>Qty</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CVPFD-(S/R)4-64</td>
<td>6x4</td>
<td>4”</td>
<td>30-130 CFM</td>
<td>5.25</td>
<td>8.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CVPFD-(S/R)4-66</td>
<td>6x6</td>
<td>4”</td>
<td>30-130 CFM</td>
<td>5.25</td>
<td>8.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CVPFD-(S/R)5-66</td>
<td>6x6</td>
<td>5”</td>
<td>30-130 CFM</td>
<td>5.25</td>
<td>8.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CVPFD-(S/R)6-88</td>
<td>8x8</td>
<td>6”</td>
<td>50-275 CFM</td>
<td>5.5</td>
<td>10.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Other Sizes available on a custom basis</td>
</tr>
</tbody>
</table>

*Other Sizes available on a custom basis

Project Location
Contractor Design specifier

Product Design Matrix

Design Your own Parts!
We need to know 5 things:
1. Direction - Supply or Return
2. Flow/Diameter
3. Grille?
4. Fire/Radiation Damper?
5. Grille Face Dimensions

CVP0x - Regulator by itself
x = Diameter
4” 25-130 CFM
5” 25-130 CFM
6” 50-275 CFM

UL Listed Straight Assembly(Fitting/Fire Damper/CVP)

CVPFD-(S/R)D-WH
CVP Family
With Dynamic Fire Damper
Supply/Exhaust
CVP Diameter
Grille Width and Height

Ultimate safety and control

Control

Enhanced Constant Volume Regulator
- 0.2 -2.0 InWC
- 4”,5”,6” - 8” Spring 2019
- No-Tool Field Adjustable
- Calibrated in CFM
- Anti-Microbial Polymers
- Made in America

Safety

UL Rated Assembly
- UL 555 Dynamic Fire Damper
- Regulator UL 2043
- Tested and Classified
- Assembly R38089, R8218

Click or visit www.youngregulator.com/cvp-performance