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 CVPF5 features a heavy duty 24ga galvanized steel enclosure 5.75” 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)

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<th>STANDARD CONSTRUCTION</th>
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<td>Anti-Microbial ABS</td>
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<tr>
<td>Sheet Metal Fitting</td>
<td>5.75” deep 24 ga</td>
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<td>Available Sizes</td>
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<td>Perimeter Gasket</td>
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COUNTRY OF ORIGIN

100% American Made

LAB CERTIFIED

| UL 2043 Tested and Classified -Regulator | Heat release rate and smoke optical density |
| Lab Calibrated Adjustment Slider | ANSI/AMCA 500-D-12 |
| UL 555C Dynamic Fire Damper | Reading ± 10% of the Setpoint |

UL Assembly Available For Standard Sizes See CVPFD

OPTIONS

| Fire or Radiation Damper | Grille or Not |
| Supply or Exhaust | CVR or CVP |
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
\( x = \text{Diameter} \)
- 4" 25-130 CFM
- 5" 25-130 CFM
- 6" 50-275 CFM

CVP with Fitting
CVPFx-(S/R)DDG-wh(S)

Enhanced Constant Volume Regulator

Part # | Dia. Ø | Flow | Standard* Grille Size | Box Depth | Overall Depth | Fire Damper | Supply Exhaust | Grille | Quantity | Notes
---|---|---|---|---|---|---|---|---|---|---
CVPF5-x04 | 4" | 30-130 CFM | 6x6 | 5.75" | 9.25" | | | | |
CVPF5-x05 | 5" | 25-130 CFM | 6x6 | 5.75" | 9.75" | | | | |
CVPF5-x06 | 6" | 50-275 CFM | 8x8 | 5.75" | 11.25" | | | | |

* Other Sizes available - Contact your YR Account Rep for details

Which Constant Volume Regulator is Right?

CVR or CVP
- Low/Med/High Pressure 0.2 - 1.0 InWC
- Multiple Ranges 3", 4", 5", 6", 8", 10" Sizes
- Factory Set
- Calibrated in M³/hr
- Conversion chart provided
- UL 2043
- Value Brand

CVP
- One Unit does it all
- 0.2 - 2.0 InWC
- No-tool field adjustable
- Calibrated in CFM
- UL 2043
- Anti-Microbial Polymers
- Made in America

Performance Curves
Click or
www.youngregulator.com/cvp-performance