



Young Regulator Co.

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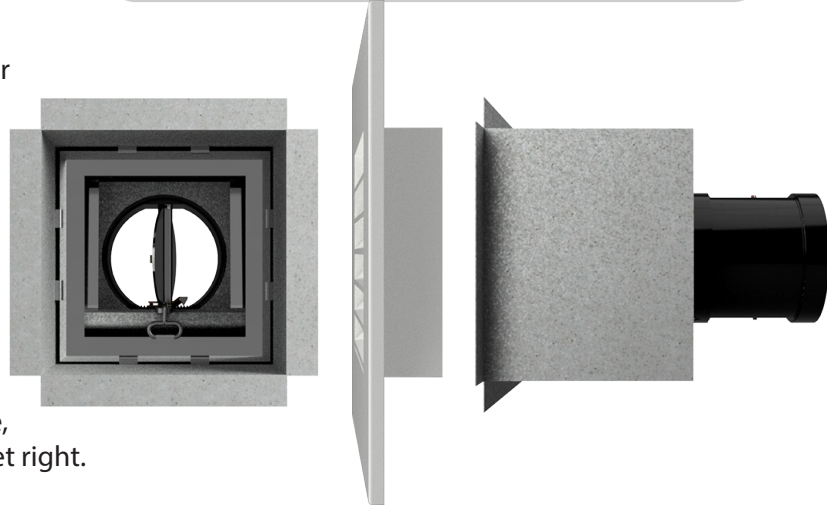
Submit CVP Plus 6/2018

CVPFD- UL Rated Assembly Enhanced Constant Volume Regulator in Deep Wall Box with Dynamic Fire Damper

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 $\pm 10\%$ 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.



Grille Optional

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.



Adjustment Slider

Inset Calibration Detail

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

STANDARD CONSTRUCTION		
Housing Material		Anti-Microbial ABS
Sheet Metal Fitting 6" or 8" deep		24 ga
Pressure Range		0.2 to 2.0 InWC
Available Sizes	CVP04	25 to 130 CFM
	4", 5" and 6"	CVP05
		25 to 130 CFM
		CVP06
		50 to 275 CFM
Perimeter Gasket		T-Shaped for a snug fit

COUNTRY OF ORIGIN	
100% American Made	

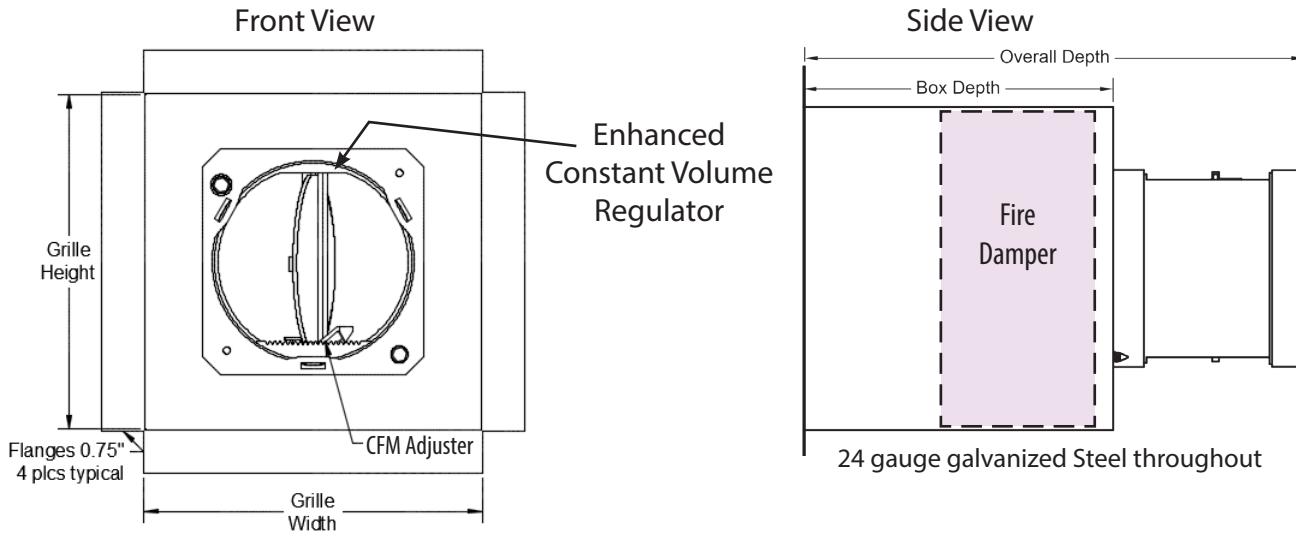
LAB CERTIFIED	
UL 2043 Tested and Classified -Regulator	Heat release rate and smoke optical density
Lab Calibrated Adjustment Slider	ANSI/AMCA 500-D-12
UL 555C Dynamic Fire Damper	Reading $\pm 10\%$ of the Setpoint

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



OPTIONS	
Fire or Radiation Damper	Grille or Not
Supply or Exhaust	CVR or CVP

Enclosure Details



Part #	Grille size	Dia. Ø	Flow	Box Depth	Overall Depth	Fire Damper	Supply/ Exhaust	Grille	Qty	Notes
CVPFD-(S/R)4-64	6x4	4"	30-130 CFM	5.25	8.6					
CVPFD-(S/R)4-66	6x6	4"	30-130 CFM	5.25	8.6					
CVPFD-(S/R)5-66	6x6	5"	30-130 CFM	5.25	8.6					
CVPFD-(S/R)6-88	8x8	6"	50-275 CFM	5.5	10.4					

*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

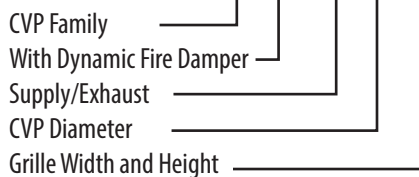
CVP0x - Regulator by itself

x = Diameter

- 4" 25-130 CFM
- 5" 25-130 CFM
- 6" 50-275 CFM

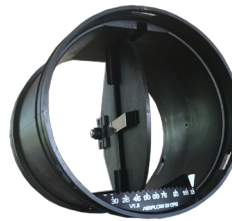
UL Listed Straight Assembly(Fitting/Fire Damper/CVP)

CVPFD-(S/R)D-WH



Ultimate safety and control

Control



Enhanced Constant Volume Regulator

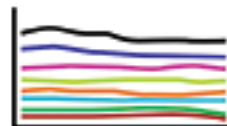
- 0.2 -2.0 InWC
- 4",5",6" - 8" Spring 2019
- No-Tool Field Adjustable
- Calibrated in CFM
- Anti-Microbial Polymers
- Made in America

Safety



UL Rated Assembly

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



Performance Curves

Click or www.youngregulator.com/cvp-performance