



Young Regulator Co.

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Submit CVP Plus 6/2018

CVPF5 Plus Enhanced Constant Volume Regulator Installed in Deep Wall Box

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.



Optional Grille available

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.



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	5.75" deep	24 ga
Pressure Range	0.2 to 2.0 InWC	
Available Sizes	CVP04	25 to 130 CFM
	4",5" and 6"	CVP05
		CVP06
Perimeter Gasket	T-Shaped for a snug fit	

COUNTRY OF ORIGIN
100% American Made 

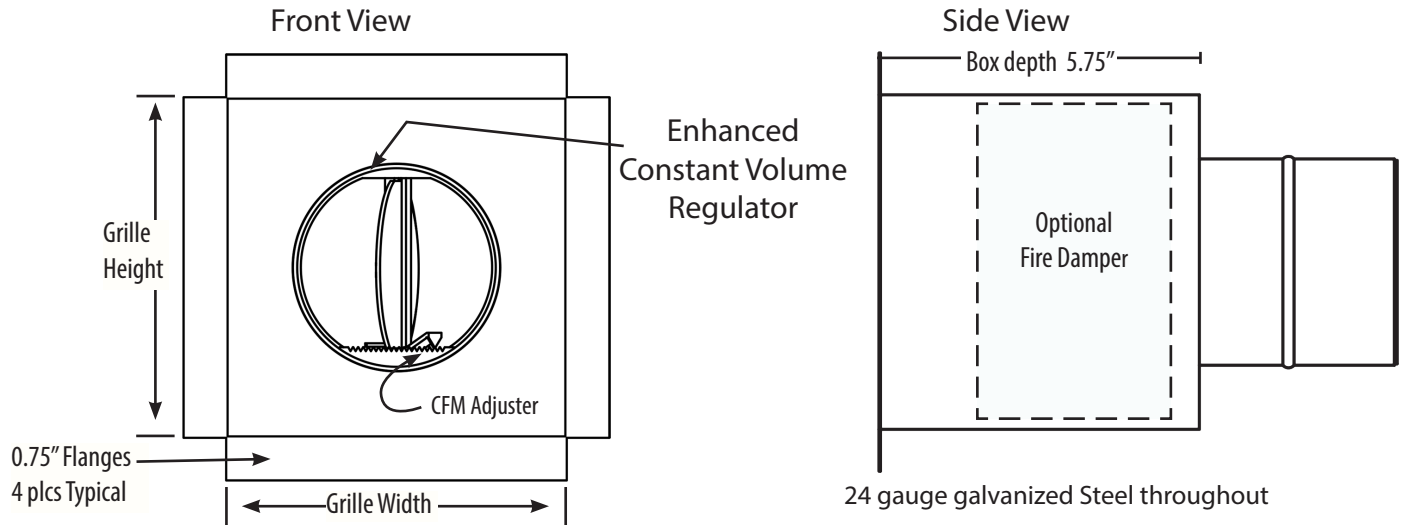
LAB CERTIFIED	
UL 2043 Tested and Classified -Regulator	Heat release rate and smoke optical density
Lab Calibrated Adjustment Slider	ANSI/AMCA 500-D-12
UL 555C Dynamic Fire Damper	Reading $\pm 10\%$ of the Setpoint

UL Assembly Available For Standard Sizes
See CVPFD



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

Enclosure Details



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

Project	Location
Contractor	Design Specifier

Product Design Matrix

Design Your own Parts!

We need to know 5 things:

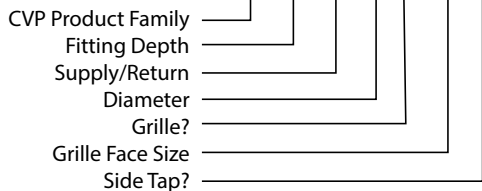
1. Direction - Supply or Return
2. Flow/Diameter
3. Grille?
4. Fire/Radiation Damper?
5. Grille Face Dimensions

CVPOx - Regulator by itself

x = Diameter
 4" 25-130 CFM
 5" 25-130 CFM
 6" 50-275 CFM

CVP with Fitting

CVPFx-(S/R)DDG-wh(S)



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



One Unit does it all
 0.2 - 2.0 InWC

4",5",6" - 8" Spring 2019
 No-tool field adjustable
 Calibrated in CFM

UL2043
 Anti-Microbial Polymers
 Made in America

Performance Curves

Click or
www.youngregulator.com/cvp-performance