



# Young Regulator Co.

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Submit CVP Plus 6/2018

## CVPF8 Plus

Enhanced Constant Volume Regulator  
Installed in Side Take-off Enclosure

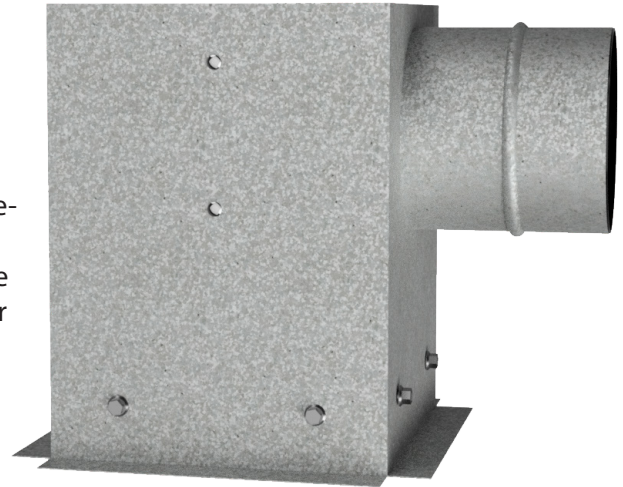
### Application and Design

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.

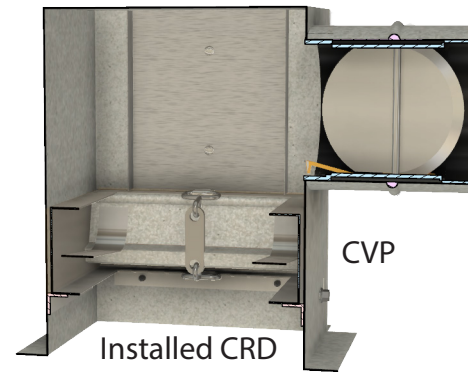
The CVP Plus uses no electricity. It is constructed of anti-microbial resins to resist the growth of mold and bacteria. Rubber gaskets around the perimeter of the damper ensure a tight, low leak seal when installed in round duct.

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.



CVPF8 with Ceiling Radiation Damper (optional)

CVPF8 Sectioned Drawing



Installed CRD

Grille(Optional)

**The CVR Plus pressure range  
0.2 to 2.0 InWC.**



Adjustment Slider

The CVPF8 features a heavy duty 24ga galvanized steel enclosure 8" tall 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	
Housing Material	Anti-Microbial ABS
Sheet Metal Fitting 2" 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

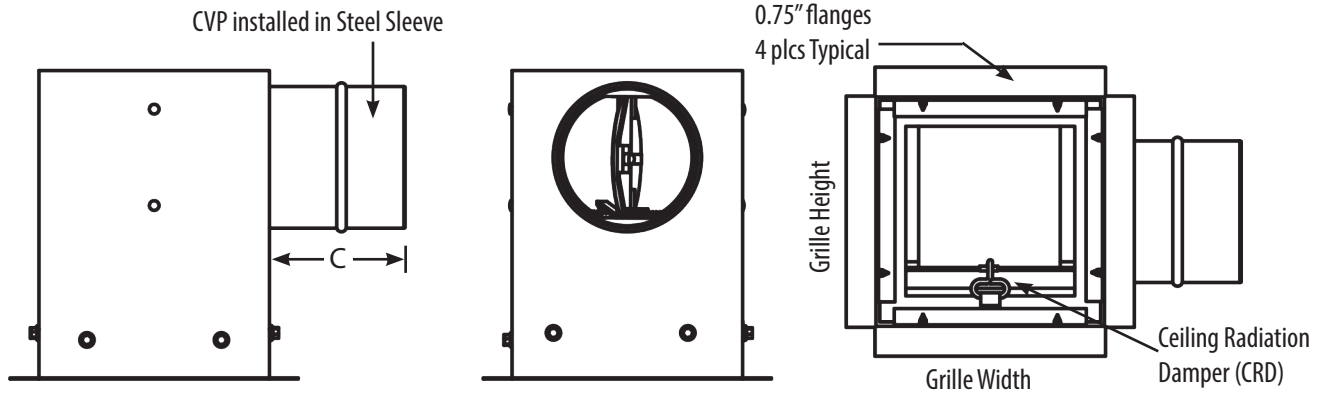
UL 2043 Tested and Classified	Heat release rate and smoke optical density
Lab Calibrated Adjustment Slider	ANSI/AMCA 500-D-12
Blanket Style Ceiling Radiation Damper Available 3hr @165 UL 555C	Reading $\pm 10\%$ of the Setpoint California State Fire Marshal Listed



### OPTIONS

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

# Enclosure Details



24 gauge galvanized Steel throughout

Part #	Dia. Ø	Flow	Standard* Grille Size	Min. Height	Height w/CRD	CVP "C"	Supply Exhaust	Fire Damper	Grille	QTY	Notes
CVPF8-x04	4"	30-130 CFM	6x6	8"	8"	3.5"					
CVPF8-x05	5"	25-130 CFM	6x6	8"	8"	4.0"					
CVPF8-x06	6"	50-275 CFM	8x8	8"	10"	5.5"					

\* 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:

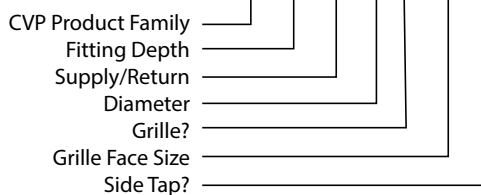
1. Direction - Supply or Return
2. Flow/Diameter
3. Grille?
4. Fire/Radiation Damper?
5. Grille Face Dimensions

### 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 M<sup>3</sup>/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](http://www.youngregulator.com/cvp-performance)