



Young Regulator Co.

7100 Krick Rd • Walton Hills, OH 44146

P: 440-232-9700 • F: 440-232-8266

www.youngregulator.com

Submit CVP Plus 6/2018

CVPF2 Plus

Enhanced Constant Volume Regulator
Installed in Register 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.

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 CVPF2 features a heavy duty 24ga galvanized steel enclosure 2" deep to accommodate a register grille. See table on back for dimensions. Custom sizes available. Also available without flanges for rectangular duct installations.



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	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

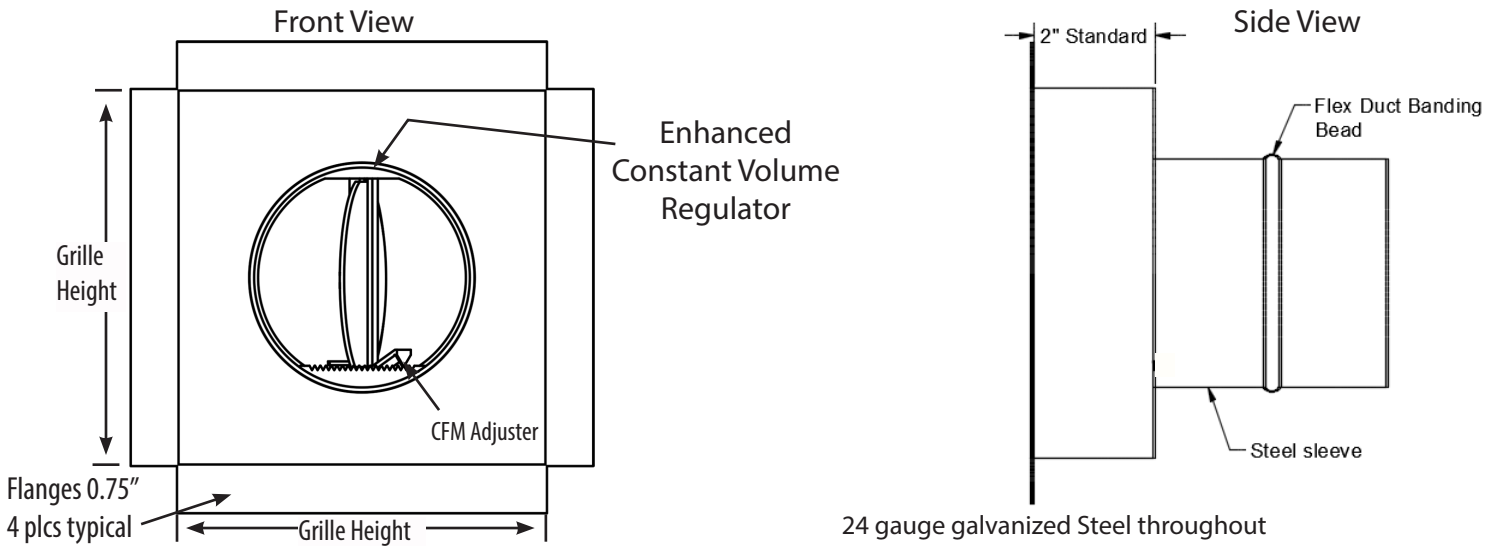
100% American Made



LAB CERTIFIED	
UL 2043 Tested and Classified	Heat release rate and smoke optical density
UL Assembly Available	For Standard Sizes
Lab Calibrated Adjustment Slider	ANSI/AMCA 500-D-12
	Reading $\pm 10\%$ of the Setpoint

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	Supply Exhaust	Grille	Quantity	Notes
CVPF2-x04	4"	30-130 CFM	6x6	2"	5.5"				
CVPF2-x05	5"	25-130 CFM	6x6	2"	5.5"				
CVPF2-x06	6"	50-275 CFM	8x8	2"	7.5"				

* 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)


- CVP Product Family
- Fitting Depth
- Supply/Return
- Diameter
- Grille?
- Grille Face Size
- Side Tap?

Which Constant Volume Regulator is Right?



CVR

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
4",5",6" - 8" Spring 2019
No-Tool field adjustment
Calibrated in CFM
UL2043
Anti-Microbial Polymers
Made in America



Performance Curves

Click or
www.youngregulator.com/cvp-performance