Installation, Operation and Maintenance Manual

Please read and save these instructions for future reference. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with these instructions will result in voiding of the product warranty and may result in personal injury and/or property damage.

Refer to:

'Installation Instructions for VCD and FBV Series Control Dampers' (Part #463384)

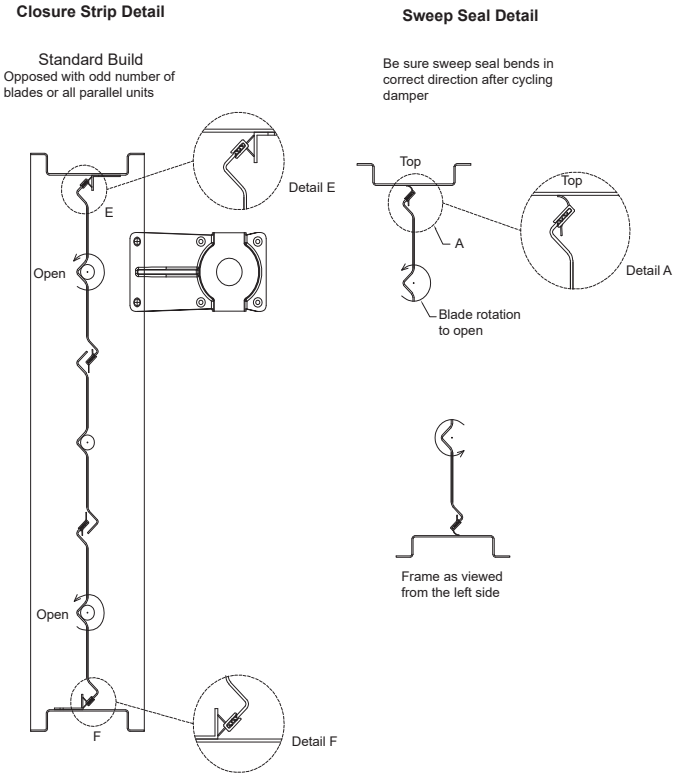
These instructions address either replacement or initial installation.

The TPE seal pushes onto the blade edge and is held by the friction between the blade material and directional projections inside the rigid plastic clip. Seal material is cut-to-length before installing. If your damper has a closure strip, install the seal as shown on the drawing. If you have no closure strip, you will install the sweep seal as shown on the drawing. Seal is normally installed to the drive blade and to every blade tip on the same side of damper.

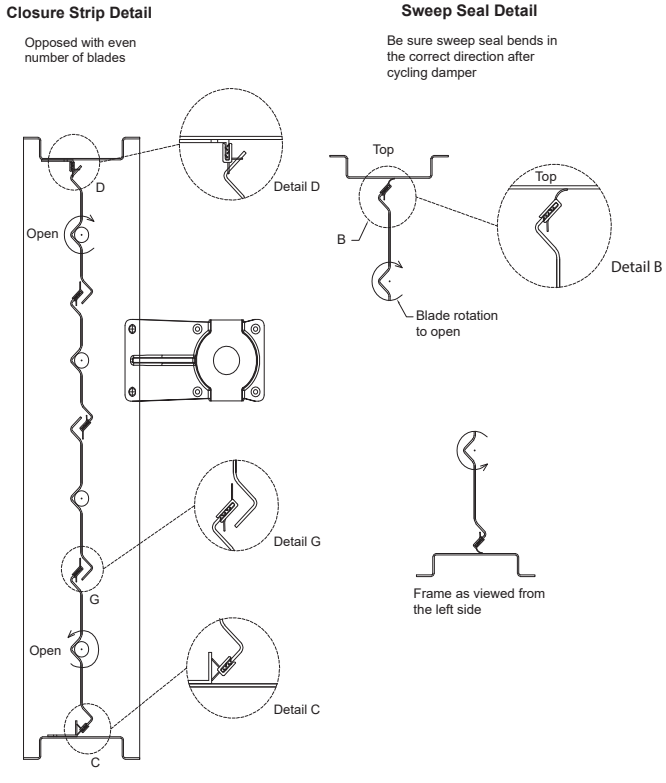
Models: FBV-23, VCD-23, VCD-23V, SEVCD-23

Blade Type	Elastomer Material	Greenheck Part Number Prior to 10/xx/2025	Greenheck Part Number Starting 10/xx/25
3V	Blade Seal	485394	487246/486993
	Sweep Seal	485393	487246/486993
	Closure Seal	472783	487248/486994

Blade Action: Opposed
Number of Blades: Odd
Blade Action: Parallel
Number of Blades: Both (odd and even)



Blade Action: Opposed
Number of Blades: Even



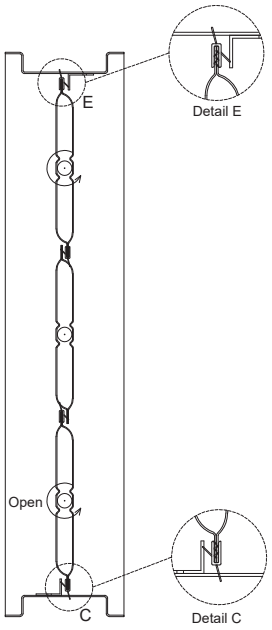
Models: VCD-33, VCD-34, VCD-33V, VCD-34V, SEVCD-33

Blade Action: Opposed
Number of Blades: Odd
Blade Action: Parallel
Number of Blades: Both (odd and even)

Blade Type	Elastomer Material	Greenheck Part Number Prior to 4/15/2025	Greenheck Part Number Starting 4/15/25
Fabricated Airfoil	Blade Seal	485392	486991/487247
	Sweep Seal	474708	
	Closure Seal	485392	

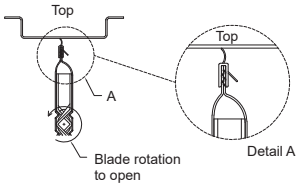
Closure Strip Detail

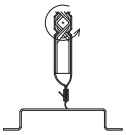
Opposed with odd number of blades or all parallel units



Sweep Seal Detail

Be sure sweep seal bends in correct direction after cycling damper



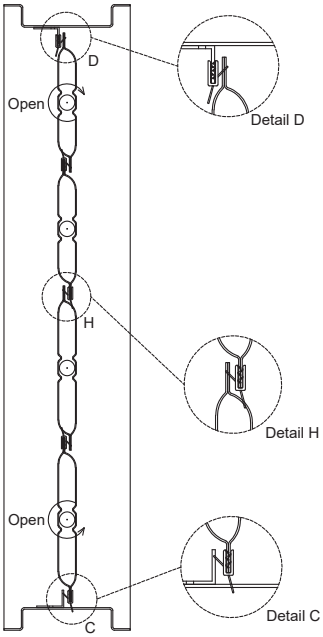


Frame as viewed from the left side

Blade Action: Opposed
Number of Blades: Even

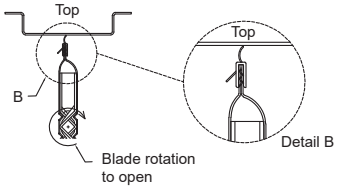
Closure Strip Detail

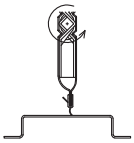
Opposed with even number of blades



Sweep Seal Detail

Be sure sweep seal bends in correct direction after cycling damper





Frame as viewed from the left side

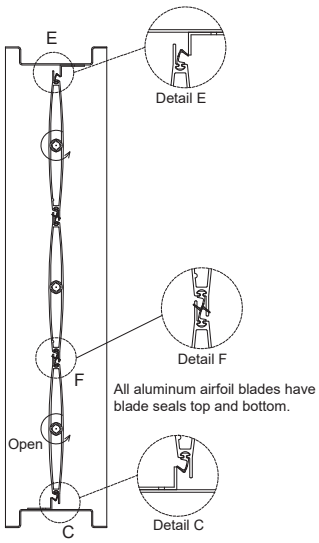
Models: VCD-40, VCD-42, VCD-43, VCD-43V

Blade Action: Opposed
Number of Blades: Odd
Blade Action: Parallel
Number of Blades: Both (odd and even)

Blade Type	Elastomer Material	Greenheck Part Number Prior to 10/xx/2025	Greenheck Part Number Starting 10/xx/25
Extruded Airfoil	Blade Seal	472600	486992
	Sweep Seal	474708	487247/486991
	Closure Seal	485392	487246/486993

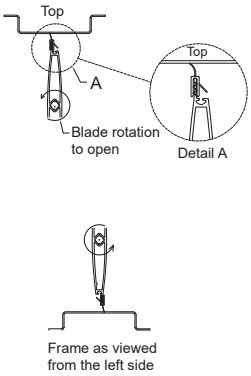
Closure Strip Detail

Opposed with odd number of blades or all parallel units



Sweep Seal Detail

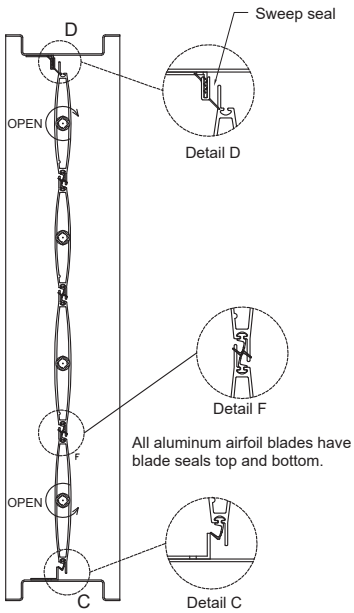
Be sure sweep seal bends in correct direction after cycling damper



Blade Action: Opposed
Number of Blades: Even

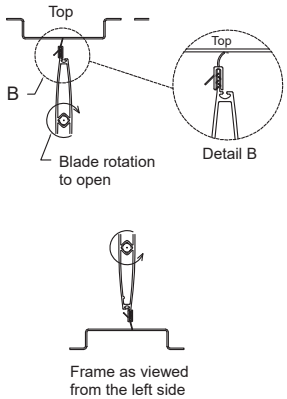
Closure Strip Detail

Opposed with even number of blades



Sweep Seal Detail

Be sure sweep seal bends in correct direction after cycling damper



Notes

Our Commitment

As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.

Product warranties can be found online at Greenheck.com, either on the specific product page or in the literature section of the website at Greenheck.com/Resources/Library/Literature.

GREENHECK
Building Value in Air.

Phone: (715) 359-6171 • Fax: (715) 355-2399 • E-mail: gfcinfo@greenheck.com • Website: www.greenheck.com

Copyright 2026 © Greenheck Fan Corporation