X-VENTISO by earthcore

SUBMITTAL DATA

VIBRATION DAMPENER

XV-VBD-1250 · XV-VBD-350 · For XV Series draft inducers, vertical installations

PROJECT INFORMATION

Project _____ **Location** _____

Contractor _____ **Engineer / Architect** _____

Submitted by _____ **Date** _____

MODEL SELECTION (CHECK AS SUPPLIED)

	PART NUMBER	FITS DRAFT INDUCER	QTY	TAG(S)
☐	**XV-VBD-1250**	XV150, XV250		
☐	**XV-VBD-350**	XV350		

One per draft inducer, matched to the XV model. Vertical installations only.

DESCRIPTION

Mechanical isolation mount between an XV Series draft inducer and what it sits on: the X-VENTISO flue adapter, or a top-mount damper (XV-GFD, XV-TMD or XV-SFD). At five mount points a stainless C-spring wraps a urethane bushing on one stud: the bushings keep the draft inducer level and located while it runs, and the springs do the isolating, so motor vibration stays at the draft inducer instead of traveling into the flue system and the building as structure-borne sound. A 316L stainless ring rises to the draft inducer and seals the joint with a high-temperature rope gasket, so no outside air is pulled in and no draft is lost.

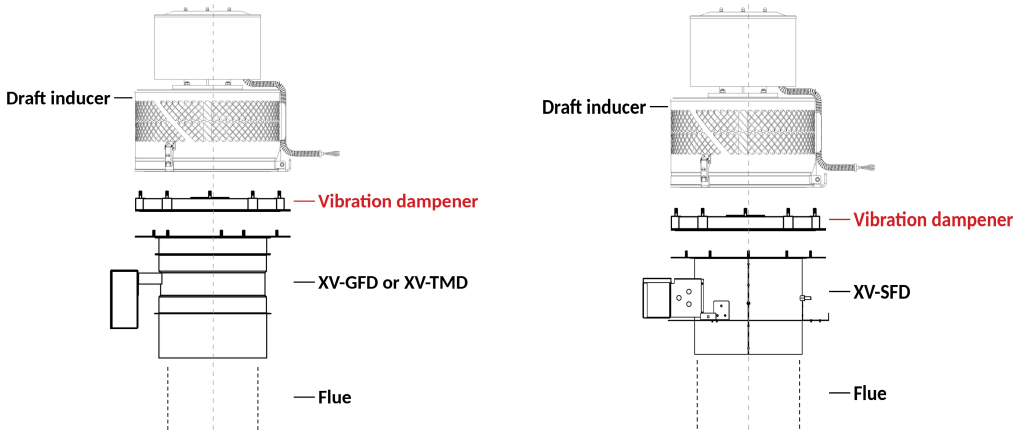
HOW IT INSTALLS

1. Install the X-VENTISO flue adapter, or the top-mount damper, on the flue.
2. Set the dampener over the welded 1/4-20 studs of the adapter or damper, with its bracket on the hinge side. Stainless washer and nut on every stud; tighten snug.
3. Set the draft inducer on the dampener's studs, hinge plate over the bracket. Stainless washer and nut on every stud; **tighten snug**.
4. Check that the ring seats on the rope gasket all the way around.

KEY DATA

Fits	XV-VBD-1250: XV150 and XV250. XV-VBD-350: XV350. One per draft inducer.
Orientation	Vertical installations only
Mount points	Five, each a stainless C-spring around a urethane bushing on one stud
Seal	316L stainless ring with a high-temperature rope gasket
Service	Bracket under the draft inducer's hinge: springs are never crushed or stretched when the draft inducer tilts open for cleaning
Fastening	Welded 1/4-20 studs; stainless washers and nuts supplied
Height added	2 in.
Isolates	Structure-borne sound, at the draft inducer

ON A TOP-MOUNT DAMPER



Exploded views, XV350 shown. Left: top-mount gas damper (XV-GFD, XV-TMD). Right: solid fuel damper (XV-SFD). Adds 2 in. to the height above the chase top.

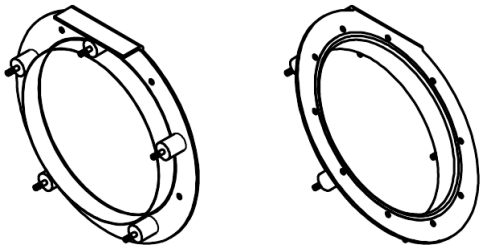
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PRODUCT VIEWS AND DIMENSIONS



Top Bottom

XV-VBD-1250 shown. XV-VBD-350 is the same construction, sized for the XV350.

PART NUMBER	FITS	A OUTSIDE DIAMETER	B OPENING	C ACROSS FLATS	D HEIGHT	WEIGHT
XV-VBD-1250	XV150, XV250	12-11/16	9-9/16	12-9/16	2	5 lb
XV-VBD-350	XV350	16-5/8	13-3/8	16-9/16	2	7 lb

Inches. A: outside diameter of the plate. B: opening. C: across the flats. D: height added between the adapter or damper and the draft inducer. Dimensional drawings XV-VBD-1250-SPEC and XV-VBD-350-SPEC, PDF and DWG.

SYSTEM (CHECK AS SUPPLIED)

Draft inducer

☐ XV150 ☐ XV250 ☐ XV350

Mounts on

- ☐ X-VENTISO flue adapter (by flue type)
- ☐ Top-mount gas damper (XV-GFD, XV-TMD)
- ☐ Solid fuel damper (XV-SFD)

MATERIALS

Plate and ring	316L stainless
C-springs	Stainless
Bushings	Polycarbonate urethane
Gasket	High-temperature rope
Studs	Welded 1/4-20

INSTALLATION NOTES

1. Install per XV-IM-VBD (vibration dampener) and XV-IM-XVS (draft inducer).
2. Vertical installations only. Never install on a horizontal (sidewall) termination.
3. One per draft inducer, matched to the XV model: XV-VBD-1250 for XV150 and XV250, XV-VBD-350 for XV350.
4. Bracket goes under the draft inducer's hinge plate.
5. On a top-mount damper (XV-GFD, XV-TMD, XV-SFD) the dampener goes between the damper and the draft inducer, the same way as on an adapter, and adds 2 in. to the height above the chase top. Install the damper per XV-IM-DMP.
6. Tighten every nut snug. Over-tightening crushes the bushings, and crushed bushings carry vibration.
7. Warranty: 2 years, valid with proper installation and a documented annual inspection.
8. Inspect every year with the draft inducer, and after any chimney fire. A damaged gasket, spring or bushing means replacing the dampener: call 800.642.2920.
9. Codes are adopted and amended locally, and the authority having jurisdiction makes the final call on every installation.
10. Specifications subject to change.

ENGINEER / ARCHITECT REVIEW

- ☐ No exceptions taken
- ☐ Make corrections noted
- ☐ Revise and resubmit
- ☐ Rejected

Reviewed by _____

Date _____

REMARKS