X-VENTISO by earthcore

SUBMITTAL DATA

AUTOMATIC SOLID FUEL DAMPER

XV-SFD · Wood and solid fuel

PROJECT INFORMATION

Project _____ **Location** _____

Contractor _____ **Engineer / Architect** _____

Submitted by _____ **Date** _____

MODEL SELECTION (CHECK AS SUPPLIED)

	PART NUMBER	FLUE SIZE	DRAFT INDUCER (IF USED)	QTY	TAG(S)
☐	**XV-SFD1250-8**	8"	XV150, XV250		
☐	**XV-SFD1250-10**	10"	XV150, XV250		
☐	**XV-SFD1250-12**	12"	XV150, XV250		
☐	**XV-SFD1250-13**	13"	XV150, XV250		
☐	**XV-SFD1250-14**	14"	XV150, XV250		
☐	**XV-SFD1250-16**	16"	XV150, XV250		
☐	**XV-SFD1250-DM**	DM54 flue	XV150, XV250		
☐	**XV-SFD350-12**	12"	XV350		
☐	**XV-SFD350-13**	13"	XV350		
☐	**XV-SFD350-14**	14"	XV350		
☐	**XV-SFD350-16**	16"	XV350		
☐	**XV-SFD350-DM**	DM54 flue	XV350		

Without a draft inducer: select the damper for the XV Series model the flue would take (flue calculator, or send the plans). A draft inducer added later mounts on the same damper.

DESCRIPTION

Automatic top-mount flue damper built for wood. Opens when the system is switched on, is proven open by the controller, and alarms if it is not. No seal by design: a small, deliberate gap tolerates creosote so the damper keeps moving season after season. Fails open on loss of power.

SEQUENCE OF OPERATION

1. The system is switched on: wall switch, remote, or home or building automation, through the X-VENTISO controller.
2. The damper opens and the controller proves it open.
3. If the damper does not prove open, the controller sounds an audible and visual alarm.
4. The damper stays open until the system is switched off. Switch off only once the fire is fully out.
5. On loss of power the damper fails open. WBC and WBC-DUO alarm on power loss while in use (battery-backed alarm circuit).

KEY DATA

Fuel	Wood and solid fuel
Configuration	Top-mount only, matched to the draft inducer model, or the model the flue would take
Sizes	8 to 16 in. and DM54 flue (XV350 from 12 in.)
Seal	None. Deliberate gap for creosote.
Proving	Proven open by the controller
Alarm	Audible and visual, via WBC, WBC-DUO or SFDC
Power loss	Fails open
Connection	4-pin Molex to the X-VENTISO controller
Material	Body: 316L stainless
Temperature rating	1,000°F continuous 1,400°F intermittent
Actuator rating	24 V, 6.5 VA, from the controller via the 4-pin Molex. Spring return to open
Weight	By size, available on request

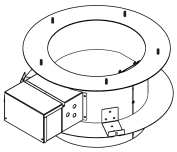
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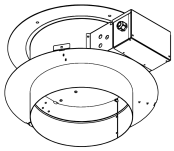
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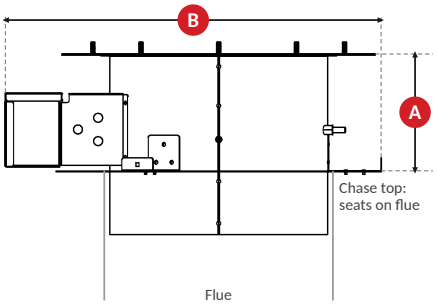
PRODUCT VIEWS AND DIMENSIONS



Isometric (Top)



Isometric (Bottom)



PART NUMBER	A HEIGHT ABOVE CHASE TOP	B WIDTH WITH ACTUATOR
XV-SFD1250-8	6-3/8"	16-3/8"
XV-SFD1250-10	6-3/8"	18-3/8"
XV-SFD1250-12	6-3/8"	20-1/2"
XV-SFD1250-13	6-9/16"	21"
XV-SFD1250-14	7"	22-3/8"
XV-SFD1250-16	7-3/4"	24-3/8"
XV-SFD1250-DM	6-3/4"	20-1/2"
XV-SFD350-12	6-3/8"	20-1/2"
XV-SFD350-13	6-9/16"	21"
XV-SFD350-14	7"	22-3/8"
XV-SFD350-16	7-3/4"	24-3/8"
XV-SFD350-DM	6-3/4"	20-1/2"

Representative views, XV-SFD350-13 shown. A: height above the chase top, from where the damper seats on the flue to the top of the flange (the draft inducer mounts on the flange); use it for the chase-top shroud. B: overall width including the actuator. Inches. Dimensioned drawing (PDF or DWG) for any size on request.

SYSTEM (CHECK ONE)

☐ **With an XV Series draft inducer**
Controller: ☐ XV-WBC ☐ XV-WBC-DUO

☐ **Without a draft inducer (chimney drafts on its own)**
Controller: XV-SFDC (stand-alone)

LISTING

Standard	UL 378, Draft Equipment
Mark	ETL Listed (c/us)
Control no.	Intertek 4007025

INSTALLATION NOTES

1. Install per the X-VENTISO installation manual and the appliance manufacturer's instructions.
2. Solid fuel damper: built to keep a wood flue clear and controlled, not airtight. For a sealed flue, use a gas damper on a gas appliance.
3. Solid fuel controllers only (see System), 4-pin Molex, no field wiring. On a gas controller the appliance will not light.
4. Operating instructions to the owner: switch the system off only once the fire is fully out.
5. Keep the damper actuator and its connection accessible for service.
6. Without a draft inducer: finish the damper with an X-VENTISO cap, sized to the damper. Call 800.642.2920.
7. Codes are adopted and amended locally, and the authority having jurisdiction makes the final call on every installation.
8. Specifications subject to change.

ENGINEER / ARCHITECT REVIEW

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

Reviewed by _____

Date _____

REMARKS