X-VENTISO by earthcore

SUBMITTAL DATA

GAS INLINE DAMPER

XV-INLD · Gas appliances

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-INLD-8**	8"	Any, or none		
☐	**XV-INLD-10**	10"	Any, or none		
☐	**XV-INLD-12**	12"	Any, or none		
☐	**XV-INLD-13**	13"	Any, or none		
☐	**XV-INLD-14**	14"	Any, or none		
☐	**XV-INLD-16**	16"	Any, or none		

Selected by flue size. Works with any XV Series draft inducer, or with none (stand-alone XV-GFDC).

DESCRIPTION

Automatic flue damper for gas appliances, installed in the flue run. Selected by flue size, so it works with any XV Series draft inducer, or with the stand-alone GFDC where the chimney drafts on its own. Closes on a silicone seal when the system is off, is proven open before the appliance can light, and fails closed on loss of power.

SEQUENCE OF OPERATION

1. Call for operation: appliance switch, remote, or home or building automation, through the X-VENTISO controller.
2. The controller opens the damper and proves it open. On GBC and Meridian, draft is proven as well.
3. Only then is the appliance gas control enabled. If the damper does not prove open, the appliance does not light.
4. When the call ends, the appliance shuts off and the damper closes on its silicone seal.
5. On loss of power the interlock opens and the appliance gas valve closes, including on ignition controls with battery backup (the X-VENTISO controller is in the interlock circuit). The damper fails closed and seals the flue. The appliance cannot light until power returns and the damper proves open again.

KEY DATA

Fuel	Gas appliances only (UL 378 listing scope). For wood, specify XV-SFD.
Configuration	Inline, in the flue run
Sizes	8, 10, 12, 13, 14, and 16 in.
Seal	Silicone rubber
Proving	Proven open before ignition, by the controller
Power loss	Fails closed (seals the flue)
Connection	4-pin Molex to the X-VENTISO controller
Orientation	Vertical or horizontal runs
Flue connection	Heat shield clamp. Slide the flue under the open heat shield at each end until it is fully seated, then close the two draw latches. No screws or sealant. Attach flue at both ends. Vent system other than the one specified with the damper? Call 800.642.2920.
Clearance to combustibles	1 in. (25 mm) (product label), or the flue manufacturer's clearance, whichever is greater.
Material	Body: 316L stainless. Heat shield and slip fittings: galvanized steel
Temperature rating	480°F continuous 550°F intermittent (product label)
Actuator rating	24 V, 6.5 VA, from the controller via the 4-pin Molex. Spring return to closed, ~5 seconds
Weight	By size, available on request

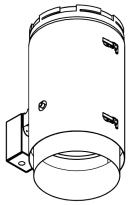
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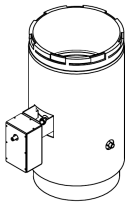
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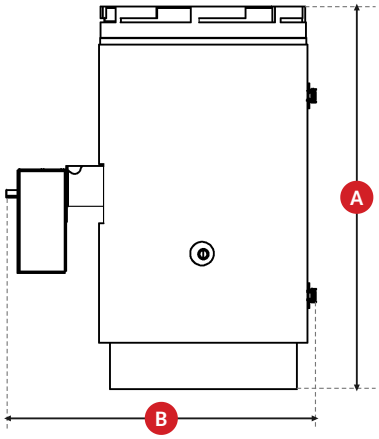
PRODUCT VIEWS AND DIMENSIONS



Isometric (Bottom)



Isometric (Top)



PART NUMBER	A LENGTH	B WIDTH WITH ACTUATOR
XV-INLD-8	21-1/2"	15-1/4"
XV-INLD-10	21-1/2"	17-1/4"
XV-INLD-12	24-3/4"	19-1/4"
XV-INLD-13	23-7/8"	21"
XV-INLD-14	24-1/2"	22-5/8"
XV-INLD-16	25-7/8"	24-1/2"

Representative views, XV-INLD-12 shown. A: overall length, collar end to collar end. 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-GBC ☐ XV-GBC-DUO ☐ XV-MERD-CTRL ☐ XV-MERD-DUO

☐ **Without a draft inducer (appliance vents on its own)**
Controller: XV-GFDC (stand-alone)

LISTING

Standard	UL 378, Draft Equipment, gas appliances only
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. Gas appliances only. Never install a gas damper on a solid fuel appliance: it fails closed on power loss, and a wood fire keeps burning.
3. Gas controllers only (see System), 4-pin Molex, no field wiring. A solid fuel controller alarms and will not clear.
4. Never operate the appliance with the heat shield open or removed.
5. Flow arrow on the label points toward the termination.
6. In a horizontal run, mount the damper with the actuator on the side of the run, never underneath.
7. Provide service access to the damper actuator and its connection. Where the damper sits inside a chase or wall, install an access panel at the actuator.
8. Codes are adopted and amended locally, and the authority having jurisdiction makes the final call on every installation.
9. Specifications subject to change.

ENGINEER / ARCHITECT REVIEW

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

Reviewed by _____

Date _____

REMARKS