CODE COMPLIANCE MATRIX

What ships with each X-VENTISO controller, against each code requirement for mechanical draft.

Code Compliant, Every Time.
When installed per X-VENTISO instructions.

REQUIREMENT	CONTROLLED POWER				MERIDIAN		DAMPER CONTROLS	
	XV-WBC	XV-WBC-DUO	XV-GBC	XV-GBC-DUO	XV-MERD-CTRL	XV-MERD-DUO	XV-GFDC	XV-SFDC
Fuel	**Solid fuel, grease**	**Solid fuel, grease**	**Gas**	**Gas**	**Gas**	**Gas**	**Gas**	**Solid fuel**
GAS · NFPA 54 (2018)								
Proven draft before the burner can fire 12.4.3.5	n/a	n/a	✓ Pressure	✓ Both flues	✓ Pressure	✓ Each flue	n/a No draft inducer	n/a
Interlocked with the appliance gas control 12.4.3.5	n/a	n/a	✓	✓ One interlock	✓	✓	n/a	n/a
Stack probe and pressure tubing	n/a	n/a	✓ In the box	✓ In the box	✓ In the box	✓ In the box	n/a	n/a
Vent damper, if used: automatic, listed 12.14, 12.15 · dampers listed to UL 378	n/a	n/a	Fails closed	Fails closed	Fails closed	Fails closed	✓ Interlocked, fails closed	n/a
SOLID FUEL · NFPA 211 (2019), 4.1.2.5 AND 9.9.4								
Proven draft	✓ By draft inducer	✓ Both flues	n/a	n/a	n/a	n/a	n/a	n/a No draft inducer
Audible and visual alarm, same room, on draft failure	✓ Built into the MUC	✓ One alarm, either flue	n/a	n/a	n/a	n/a	n/a	n/a
Alarm if power is lost while switched on, battery backup	✓ Battery in the MUC	✓ Battery in the MUC	n/a	n/a	n/a	n/a	n/a	n/a
Smoke alarm, same room	**By building**	**By building**	n/a	n/a	n/a	n/a	n/a	n/a
Listed carbon monoxide alarm, same room	**By building**	**By building**	n/a	n/a	n/a	n/a	n/a	n/a
Automatic damper, if used: listed, operable from the room 9.9.4, 11.2.9.2 · damper listed to UL 378	Fails open	Fails open	n/a	n/a	n/a	n/a	n/a	✓ Alarmed, fails open
ALL FUELS								
Mechanical draft must not cause spillage from other appliances; makeup air NFPA 211 4.1.2.2 to 4.1.2.4 · IRC M1503.6 · IMC 505	Where required: VMASS makeup air, sold separately, interlocked through XV-INTG or a low-voltage contact closure. Sized with the draft system.							
Service disconnect at the draft inducer	✓	✓	✓	✓	✓	✓	n/a	n/a
Controller listing UL 508 · UL/ULC 378	✓ ETL, Intertek 4007025	✓ ETL, Intertek 4007025	✓ ETL, Intertek 4007025	✓ ETL, Intertek 4007025	✓ ETL, Intertek 4007025	✓ ETL, Intertek 4007025	✓ ETL, Intertek 4007025	✓ ETL, Intertek 4007025
INSTALL AND INSPECTION								
Plugs into a standard 120 V outlet	✓	✓	✓	✓	✓	✓	✓	✓
Factory-wired, plug-in Molex connections	✓	✓	✓	✓	✓	✓	✓	✓
Stock Molex lead length, draft inducer and damper	**30 ft** on every draft inducer and damper lead, all controllers. Longer runs: one continuous custom-length run (preferred), or 20 / 50 / 100 ft extensions with the connection kept accessible.							
Low-voltage circuits Class 2 (internal supply)	✓	✓	✓	✓	✓	✓	–	–
Electrical rating, 120 VAC	6.0 A, 50/60 Hz	12.0 A, 50/60 Hz	6.0 A, 50/60 Hz	12.0 A, 50/60 Hz	6.0 A, 50/60 Hz	12.0 A, 50/60 Hz	1.0 A, 60 Hz	1.0 A, 60 Hz
Factory-sealed enclosure, NEMA 1 (indoor)	✓	✓	✓	✓	✓	✓	✓	✓

Key. ✓ built in or in the box. **By building:** supplied by the building, not the draft system; on a retrofit, confirm a working alarm is present. **n/a:** not applicable to that controller. **–:** call us.

Damper controls. GFDC and SFDC run a damper on a chimney with no draft inducer, so the mechanical draft rows do not apply. GFDC holds the appliance off until the damper proves open. SFDC alarms if the damper does not prove open, or on power loss while on.

DUO. WBC-DUO and GBC-DUO run two flues as one system: one MUC, one alarm, one gas interlock. If either flue faults, the MUC alarms; on gas the appliance shuts off, on solid fuel it stays in alarm until the fault is resolved. Meridian DUO controls each flue on its own.

Listings. XV Series draft inducers are listed to UL 378. X-VENTISO gas dampers close on a silicone seal, prove open before the appliance can light, and fail closed if power is lost (the appliance cannot fire without power). The solid fuel damper fails open. Controllers are factory-sealed.

Sections cited from NFPA 54 (2018 edition) and NFPA 211 (2019 edition). Your jurisdiction may have adopted a different edition. Codes are adopted and amended locally, and the authority having jurisdiction makes the final call on every installation. Questions: 800.642.2920.