Enclosure Integrity Testing

For NFPA, ISO, EN, FIA, VdS Standards



Door fan equipment specifically designed for enclosure integrity.

- Easy to Learn & Use
- Fast Setup & Teardown
- Online Training Available
- Major Business Opportunity



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Select your blower door



Model 5100F

The Model 5100F, paired with a cloth panel and the DM32X gauge, is a versatile solution for most enclosure integrity tests. This 0.75 hp system is well-suited for medium-sized spaces—handling volumes up to 35,000 ft^3 (1,000 m^3) for Inert agents and up to 70,000 ft^3 (2,000 m^3) for halocarbons with ease.



Model 5120F

The Model 5120F delivers the same reliable performance as the 5100F with cloth panel, but features modular hard panels that set up quickly and create a sleek, professional appearance on-site. It comes complete with a fan case, tool case, and a large aluminum frame with a cloth panel—ideal for testing smaller or tightly sealed enclosures with precision and efficiency.



Model 300F

The Model 300F, paired with a cloth panel and the DM32X gauge, is purpose-built for testing very small enclosures and equipment cabinets. Compact yet capable, it's ideal for volumes up to 4,000 ft^3 (120 m^3) when testing with Inert agents and up to 8,000 ft^3 (240 m^3) for halocarbons. Its precision and portability make it the perfect solution for tight spaces where larger systems aren't



Model 5210F

The Model 5210F combines two complete 5110F systems that can operate independently or be linked using the Leakage Split Kit for ceiling neutralization.

With two 0.75 hp calibrated fans, the 5210F is ideal for testing enclosures up to 70,000 ft^3 (2,000 m^3) for Inert agents and up to 140,000 ft^3 (4,000 m^3) for halocarbons. The system includes fan cases and tool cases for easy transport and setup—making it a powerful, flexible solution for large-scale integrity testing.



Model 5220F

The Model 5220F offers the same high-performance capabilities as the 5210F, with the added benefit of modular hard panels that set up fast and present a clean, professional look. It includes two complete 5120F systems plus the Leakage Split Kit with flex duct for ceiling neutralization.

This dual-fan setup comes with fan cases, tool cases, and a large aluminum frame with a cloth panel—ideal for tight enclosures and large-scale testing alike.



Model 6110F

The Model 6110F features a large cloth panel designed to fit wider doorways, making setup easier in bigger spaces. Its powerful 1.5 hp fan is ideal for testing pressure relief vents (PRVs) at higher pressures and comes equipped with the advanced DM32X gauge.



Model 6120F

The Model 6120F delivers the same powerful performance as the 6110F, but with modular hard panels that set up quickly and offer a polished, professional appearance.

It includes a fan case, tool case, and a large aluminum frame with a cloth panel—ideal for testing tight or irregularly shaped enclosures while maintaining a sleek, organized setup.



Model 6210F

The Model 6210F is a dual-fan system built for large-scale enclosure testing. It combines two complete 6110F units, usable independently or together with the Leakage Split Kit for ceiling neutralization.

With two 1.5 hp calibrated fans, it's ideal for enclosures up to 102,000 ft^3 (2,900 m^3) for Inerts and 212,000 ft^3 (6,000 m^3) for halocarbons. Includes fan cases, tool cases, and a large aluminum frame with a cloth panel.



Model 6220F

The Model 6220F offers the same high-performance capabilities as the 6210F, but with modular hard panels that set up quickly and create a professional on-site appearance. It includes two complete 6120F systems plus the Leakage Split Kit with flex duct for ceiling neutralization.

The system also comes with fan cases, tool cases, and a large aluminum frame with a cloth panel—ideal for accessing tight or hard-to-reach enclosures.



Model 7110F

Introducing the revolutionary 7000 Series: Retrotec's new standard for clean agent enclosure integrity testing.

The Model 7110F fan is over 30% lighter than previous models—just 23 lbs (10.4 kg) compared to 33.5 lbs (15 kg)—making it the most portable fan in its class without sacrificing performance.

Despite its lightweight design, the 7110F delivers unmatched power, exceeding the CFM @ 50Pa output of the Model 5000 and often outperforming the 6000 in real-world testing scenarios.



Model 7120F

The Model 7120F delivers the same powerful performance and reliability as the 7110F, but with a key advantage: a modular panel system designed for both efficiency and presentation. These panels set up in minutes, streamlining your workflow and minimizing downtime on-site. More than just functional, they create a clean, polished appearance that reflects the professionalism of your team—ideal for client-facing environments or high-profile projects where first impressions matter.



Model 7210F

This system integrates the power of two complete US7110F units, giving you the flexibility to operate them independently or in tandem using the Leakage Split Kit for ceiling neutralization. Whether you're testing small server rooms or large-scale enclosures, this adaptable setup ensures accurate results and streamlined testing across a wide range of environments.

System Selector

Compare Clean Agent Enclosure Integrity Models



Choose your system by determining the maximum enclosure volume you will need to test. Extra fan power may be useful to measure installed Pressure Relief Vent area, or overcome excessive enclosure leakage.

Dual fan setups, such as the 5200, 6200, & 7200 give you the option to measure the upper and lower leakage separately, which can help enclosures with greater upper leakage pass where they would otherwise would not. Often this type of test reduces or eliminates the need for PRVs.

		Halocarbon Volume for FM200 @ 6.8%		Inert Volume for IG541 @ 34.5%			
	Flow rates as listed on product pages at 50pa	**Imperial**	**Metric**	**Imperial**	**Metric**	**Protected Height**	**Flooded Height**
5100	5700 CFM	78,000	2,209	35,000	991	16.8 ft (5.1m)	20 ft (6.1m)
6100	7700 CFM	106,000	3,002	47,500	1,345	16.8 ft (5.1m)	20 ft (6.1m)
7100 (Drive)	7358 CFM	101,000	2,860	45,000	1,274	16.8 ft (5.1m)	20 ft (6.1m)
7100 (Battery)	8413 CFM	115,000	3,256	51,500	1,458	16.8 ft (5.1m)	20 ft (6.1m)
5200	11400 CFM	156,000	4,417	70000	1,982	16.8 ft (5.1m)	20 ft (6.1m)
6200	15400 CFM	212,000	6,003	95,000	2,690	16.8 ft (5.1m)	20 ft (6.1m)
7200 (Drive)	14716 CFM	202,000	5,720	90,000	2,549	16.8 ft (5.1m)	20 ft (6.1m)
7200 (Battery)	16826 CFM	230,000	6,513	103000	2,917	16.8 ft (5.1m)	20 ft (6.1m)
300	783 CFM	11,000	312	5,000	142	16.8 ft (5.1m)	20 ft (6.1m)



DM32X™

One Gauge, One World.



- Beautiful large 1080P HD OLED display with Gorilla Glass capacitive multi-touch.
- A thinner, more ergonomic shell design.
- Real-time graphic display of pressure readings over time. Taking pressure points is one thing, being able to see what's happening tells you a more accurate story.
- Multiple datalogging options.
- Digital Signal Processing (DSP) improves pressure reading stability.
- Fast charging & data transfer on USB-C
- Long range (10m) Bluetooth® connectivity.
- Built-in testing and training apps. Run rCloud auto testing software natively.
- Embedded & online manuals, videos, & resources.
- Display can be viewed horizontally or vertically.
- Operate and read competing fans.
- Photorealistic images of all devices and ranges.

Online Training



Enclosure Integrity Training Levels 1, 2, & 3

Access the new training at the time and place that is convenient for you. The narrated slides, videos, case studies, and step-by-step guides make learning the new procedure easy.

Training is available for desktop and mobile devices alike, making learning on the go possible. Estimated completion time is 4-6 hours per level.

PRV's



PRESSUREVENT

Pressure Relief Vents Varied Sizes

Select from a complete line of Pressure Relief Vents for both inert agents that open in one direction and halocarbon PRVs that open in both directions.

FanTestic Integrity selects the correct PRV and provides a field test to ensure it opens properly.

Where to Purchase



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