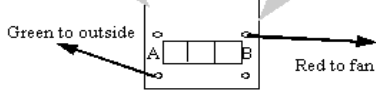


Install blower door frame and fan per instructions. Normal setup is with technician and gauge inside zone. For setup outside zone see manual "Setup inside or Outside Zone."

Depressurization Test:

A. Attach tubes to gauge as shown:



De-pressurization set up

- B. Using the DG-700 pressure / flow gauge
1. Using ON/OFF button turn gauge on
 2. Press MODE button once to select PR/FL
 3. In DEVICE window confirm you are set up for BD 3 fan
 4. In the pressure and flow windows confirm you are set up for Pa (Pascals) and CFM (cubic feet per minute)
 5. In Time Ave. window confirm you are setup for 1 second time
 6. Seal fan with no flow plate and read and record in computer the bias (static) pressure if any.

See Bias (Static) Pressure notes on back.

When set up as shown and inside zone:

- (neg) static pressure = air blowing into zone
- + (pos) static pressure = air blowing out of zone

7. Remove no flow plate and install trial flow ring, large zone no flow ring, small zone try ring C
8. Use CONFIG Button to match flow ring
9. Turn on fan and bring room pressure to target pressure.
 - If you can not reach target pressure remove a flow ring and reset CONFIG to match
 - If the CFM blinks LO install next smaller flow ring and reset CONFIG to match

For NFPA 2001/2004 Test at Target Pressure both depressurization and pressurization.

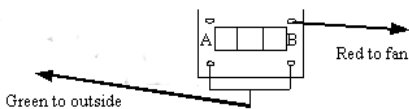
For NFPA 2001/2012,2015 Test at 10 & 50pa both depressurization and pressurization.

See Test Procedure notes on back.

10. Use TIME AVE Button to select LONG, wait till readings stabilize and record—return to 1 second
11. Enter test pressure (Pa) and flow (CFM) in computer

Pressurization Test:

12. Turn off fan and turn around
13. Attach tubes as shown using "T" tube

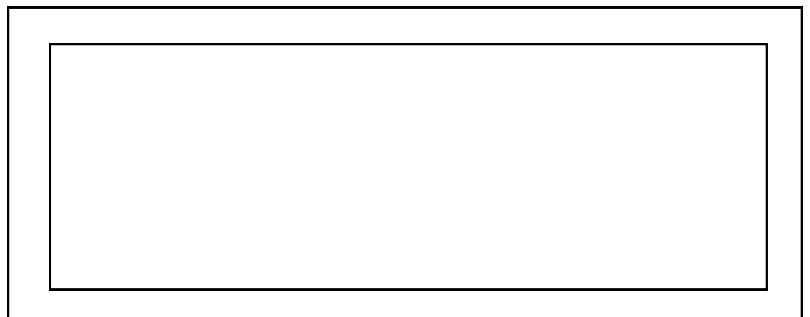


Pressurization set up

14. Follow above steps to finish test.

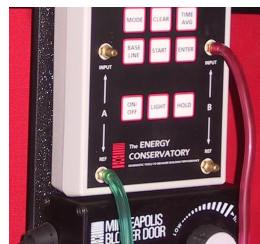
Notes on using the DG-700 Digital Pressure/Flow Gauge and the Model 3 Blower door
NFPA 2001/2004, 2012, 2015

FYI: 1 Pascal (PA) = .004 in wc = .00015 psi



As a quick reminder place this "cheat sheet" on the speed controller holder behind the DG-700 digital pressure / flow gauge.

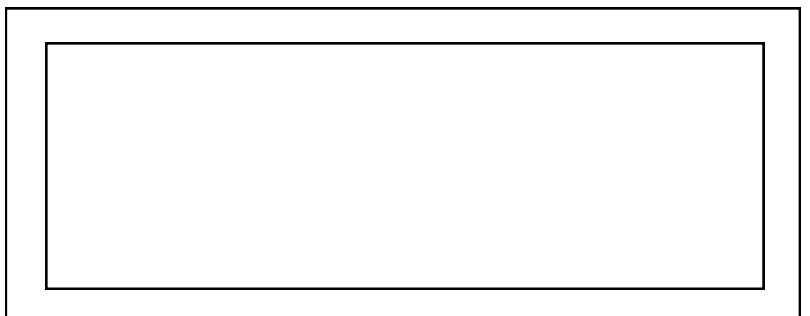
For complete details see manual.



De-pressurization set up



Pressurization set up with "T" connector



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Bias (Static) Pressure;

Measure the bias (static) pressure, the difference between inside and outside the zone.

1. Measure the bias (static) pressure at Discharge Conditions, that is with the doors of any adjacent rooms in their normal conditions.

2. Measure the bias (static) pressure at Test Conditions, that is with any adjacent rooms doors open to give a free return air path. (see *EIT Quick Test Manual, page 18, Special Notes, Bias (Static) Pressure.*)

3. If subfloor is pressurized at discharge (HVAC system on) then measure bias (static) pressure between subfloor and outside the protected zone. (see *EIT Quick Test Manual, page 18, Special Notes, Bias (Static) Pressure.*)

Test Procedure:

Turn on the Blower Door Fan by slowly turning the fan controller clockwise. As the fan speed increases, room pressure indicated on Channel A should also increase. Increase fan speed until you reach the target pressure as shown in the EIT Quick Test software. The flow gauge will now display the current cfm. Enter the pressure and cfm in the EIT software. To make reading the gauges easier, use the HOLD button to freeze the display. If the readings are fluctuating excessively, use the TIME AVG button to select a longer averaging period.

If you can not reach the target pressure, you must remove a flow ring and using the CONFIG button match the new flow ring.

If the CFM display blinks LO, install the next smaller flow Ring and select the correct setting for the new flow ring.

After entering the test pressure (Pa) and flow (CFM) in the computer, turn off the fan.

**For NFPA 2001/2004 Enclosure Integrity Test Procedure one set of measurements, flow and pressure is take for both De-Pressurization and Pressurization.*

**For NFPA 2001/2012 and 2015 Enclosure Integrity Test Procedures two sets of measurements, flow and pressure are taken for both De-Pressurization and Pressurization.*