

FIELD GUIDE - TEC Minneapolis Blower Door Test

1-Point Depressurization Model 3 Fan

1. TURN OFF Vented Combustion Appliances

Fireplaces & Woodstoves: Cold, No hot coals, close dampers, cover ashes with wet paper.

- All Heaters** Turn off at unit or elec panel
- DHW** Turn to pilot or off (*car keys*)
- Boilers** Turn off at unit or elec panel
Verify DHW won't start.
- Furnace** Can use T-stat, check filter
Verify DHW is pilot or off!
- Clothes Dryer** Off, Clean Filter, check Outlet
- Exhaust Fans** Off: Bathroom, Range Hood

2. CLOSE up the HOUSE as in Winter

Exterior Windows and Doors
Garage Door, Basement, Crawlspace
Attic Accesses

3. OPEN ALL INTERIOR DOORS

Is there a Drop Ceiling? Remove panel & inspect.
Consider doing a Pressurization test.

4. SETUP Blower Door Frame and Panel

Exterior Door of Conditioned Space
Green Hose to Outside, 5' to Side
Red Hose to Fan Port
Install Fan, Close all Rings
Power Supply to Fan (check power)

5. DG-1000 MANOMETER - use Tubing Assistant

6. SET BASELINE - min 30 sec

7. CONFIG: CHOOSE FAN RING (CFM50)

Open: 6,100 - 2,435	Switch to A @ 2,500
Ring A: 2,800 - 915	Switch to B @ 1,000
Ring B: 1,100 - 300	Switch to C @ 315
Ring C: 330 - 85	

8. RUN FAN 3-5 Min for pressures to equalize

9. CHANGE A RING? Change config before fan ring

If "LO" Add a ring
If CR50 Remove a Ring

10. Use TIME AVG when Windy, or to photograph

11. Note the House Setup: if basement or CAZ doors are open or closed

DG-700 MANOMETER SETUP

Green Hose: Left/REF to Outside
Red Hose: Right/Input to Fan
ON, Mode, Mode (PR/FL@50)
Baseine, Start (wait 30 sec), Enter. (See ADJ)
Turn Rheostat to 50 PA - House WRT Outside

CRUISE Fan Operation

Rheostat at Lowest Setting
Begin Cruise: shows 50PA target
Start Fan: Automatic to 50PA

Depressurization Test when Manometer Outside

Green Hose: Left/Input to Indoors
Red Hose: Right/Input to Fan
Clear Hose: Right/Ref to Interior

Pressurization Test: Manometer Inside

Turn Fan around to blow IN
Green Hose: Left/REF to Outside
Red Hose: Right/Input to Fan
Clear Hose: Right/Ref to Outside