

1 Set up the building

- 1.1 Close the outside doors and windows.
- 1.2 Open all interior doors leading to conditioned spaces.
- 1.3 Shut off HVAC (exhaust fans, dryers, A/C, furnaces).
- 1.4 Turn gas hot water to pilot.
- 1.5 Place paper over any open ashes.
- 1.6 Select doorway for door panel.



2 Install cloth door panel

- 2.1 Loosely fit frame in doorway and tighten knobs.
- 2.2 Remove frame and cover with cloth.
- 2.3 Reinstall frame. Expand cam levers.



See: QuickGuide-DoorPanel-Cloth

3 Attach and zero the gauges

- 3.1 Attach the door clamp to the edge of the door.
- 3.2 Hang the gauges on the post that is on the clamp.
- 3.3 Tap the gauges lightly, to unstick the needles.
- 3.4 Adjust the screw on the front of each gauge to zero the needle. Use the top scale on the upper gauge.



Tip The top gauge can be zeroed to the lower -20 to +40Pa for special purposes.

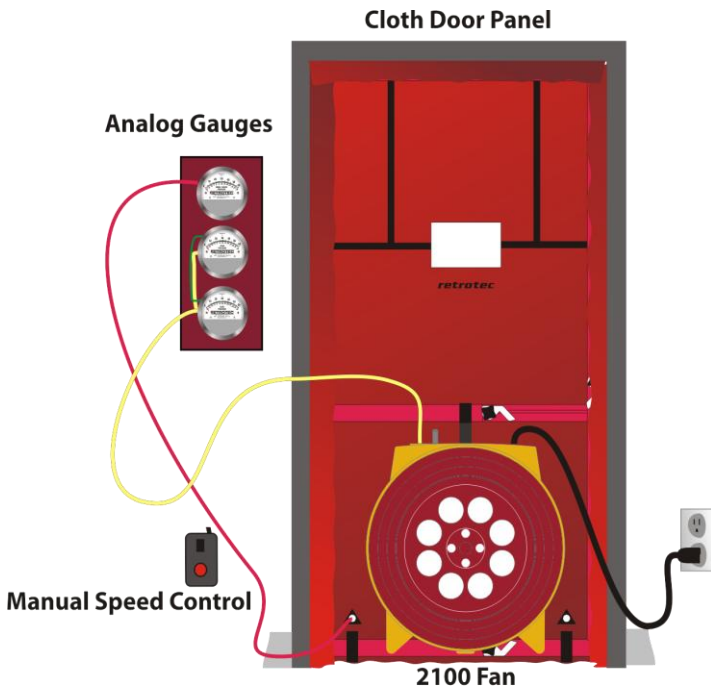
4 Gauge connections

- 4.1 The red tube should remain attached to the top gauge for depressurization testing.

Note The red tube must be attached to the high (top) pressure port of the upper gauge if the air flow is away from the user, and attached to the low (bottom) pressure port if the air flow is towards the user.



- 4.2 Yellow tube should be attached to the yellow port on the bottom gauge.



- Read and experiment with each step
- To perform automatic or multi-point tests*, refer to the Door Fan Software Manual and the DM-2 Operator's Manual

*Tests for CGSB 149, LEED, ASTM E778, ASTM 1827, EN13829, and ATTMA TS-1 may require more elaborate steps and training. This guide is intended for familiarization with the controls.

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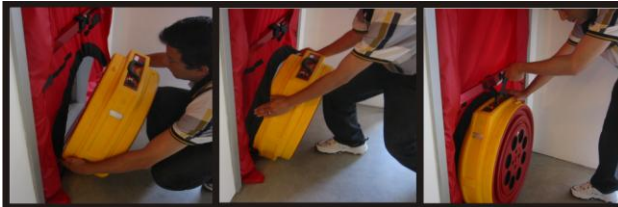
5 Pass red tube through panel

Pass the red tube through the port in the panel and toss the end away from the fan's airstream. Ensure that water does not get into the tube end.



6 Install fan

- 6.1 Hook foot of fan over the cloth.
- 6.2 Pull cloth around fan using thumbs.
- 6.3 Ensure elastic collar sits in groove on fan.
- 6.4 Stabilize weight of fan with Velcro strap around handle.



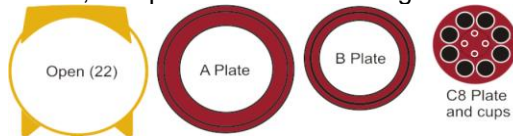
7 Make fan top connections

- 7.1 Connect the yellow tube.
- 7.2 Connect the control cable from the manual speed controller.
- 7.3 Connect the power cord to fan top and to wall outlet.



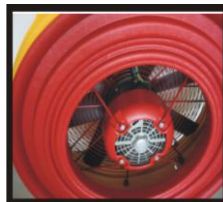
8 Set Range Plates

- 8.1 Remove range plates to get a higher range of flows, add plates for a lower range of flows.



- 8.2 Start with Range B by removing the C8 Plate.

See: *QuickGuide-Fan-RangeConfig-2000&3000*



- 8.3 The yellow tube should always remain attached to the lower ports on the bottom two gauges.

9 Set fan speed

- 9.1 Toggle the manual speed control switch to **[On]**.
- 9.2 Turn the speed control knob clockwise to increase the fan speed.



10 Reading the gauges

- 10.1 Read the top gauge on the top scale for room pressure.
- 10.2 The middle and bottom gauge are connected together to measure the flow pressure. Read the middle gauge up to 60Pa, and read the lower gauge over 60 Pa.

11 Pressurization testing (optional)

- 11.1 Remove the fan from the door and install it so that it is blowing towards you.
- 11.2 Move the red tube to the low (bottom) pressure port on the top gauge.



12 Field system check recommended

- 12.1 Perform a door fan test on the building and record the EqLA using DoorFan3 software.
- 12.2 Install cardboard in upper part of doorway with a 20 x 20 inch hole cut in it.
- 12.3 Perform a second door fan test on the building and record the EqLA.
- 12.4 The first result should be within 10% of the second results, minus 400 in².

