

AstroSafe® V: Test Shroud Installation

SUPPLEMENT TO CSP-3-110

Use for Overall Efficiency Test or Scan Testing with AstroScan M

1. Open inlet grill of the AstroSafe V and lift off hinge.
2. Place the Test Shroud on the hinge of the AstroSafe V.
3. Before closing the Test Shroud, attach the downstream duct connection tube (Fig. 1) to the downstream through wall quick disconnect on the AstroSafe V (Fig. 2).

DOWNSTREAM DUCT CONNECTION
1/4" TUBE COUPLING USED WITH
3/8" NPT QUICK-DISCONNECT
(CONNECTED TO THROUGH WALL
COUPLING ON LOW WALL UNIT)

Fig. 1

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ROUND KNOB

DOWNSTREAM SAMPLE PORT
3/8" NPT QUICK-DISCONNECT

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INJECTION PORT
1/2" I.D. TUBING
BARB FITTING

4. Once the downstream duct connection tube is connected, close the test shroud (Fig.3).
5. Connect the photometer to the Test Shroud downstream sample port (Fig. 1) and the upstream sample port, just before the HEPA filter door (Fig. 3).
6. Connect the smoke generator to the Test Shroud injection port (Fig. 1).
7. Perform the filter test.

TEST SHROUD
DOWNSTREAM PORT

Fig. 2

8. Once the test is completed and the filter has passed, remove the photometer, smoke generator, and test shroud.
9. Place the inlet grill back on the AstroSafe V hinge and close.

UPSTREAM SAMPLE PORT
3/8" NPT HALF COUPLING W/ PLUG
(INSTALLED IN FRONT OF HOUSING
UPSTREAM OF HEPA FILTER)

Fig. 3

Note: Photometer and Smoke Generator by others.



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