

Static Port Test Adapter System SVS-1

The SVS-1 is a static port adapter test system that provides continual suction to hold the test adapter on the side of the aircraft. It is powered by an external 12-volt source and includes an automatic battery back-up with audio and visual alarms in the event of an external power failure.



Unique benefits of this test system include:

1. A vacuum gauge which enables the operator to visually determine if the vacuum hold is secure or failing.
2. 12-volt power input allows flexibility for remote use (for example, 12-volt power can be obtained from an external battery, including a vehicle battery).
3. A tubing quick-disconnect for easier untangling of the line and easier setup.
4. Articulating adapter feet for mounting various positions
5. Vacuum toggle valve on SPTA-2 adapter allows vacuum off until adapter is in position.
6. Additional center adapter cup sizes for best static port fit selection.

Technical Specifications:

Weight: 9 lbs. (4 kg)

Yellow Case Dimensions: 12"D x 15"W x 7"H (30.5mm x 38mm x 18mm)

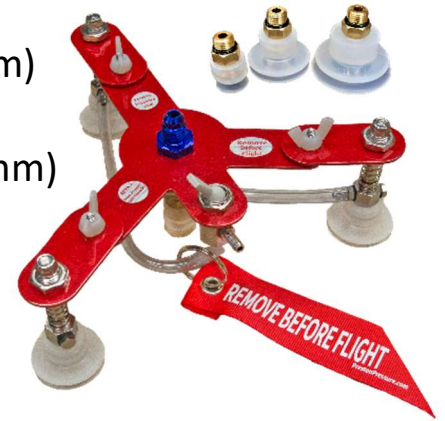
External Power source (included): 110/220 VAC adapter with 12VDC, 1-Amp output

Internal Battery: 12-volts for 30 minutes of backup

Static Port Seal Sizes: .625", 1.2", 1.6" (16mm, 31mm, 40mm)

SPTA-2 Adapter Diameter: 12" (30cm)

PPTA-1 (included): Pitot Probe Test Assembly ½" I.D. (12.5mm)



Operational Instructions:

1. Apply 12VDC to the power input jack.
2. Turn on power and before mounting adapter, verify that the vacuum system is working properly by moving the toggle switch on the adapter. The vacuum gauge should indicate near -0 inHg when the toggle switch is open, and near -20 inHg when closed.
3. With power on, unplug the external power and verify that the alarm sounds, red light is on, and motor continues to operate under battery power.
4. Verify that the aircraft skin surface around the mounting area is clean.
5. Place adapter into desired position, adjust suction cup positions, and turn on vacuum toggle valve switch.
6. Pull gently on the adapter to verify it is held securely. Also check the SVS-1 vacuum gauge and verify that the vacuum level is in the green range (-10inHg or more).
7. Connect static test line from pitot-static test set and perform tests.
8. When finished, disconnect test set line, turn off SVS-1 power switch and remove adapter from aircraft.
9. Store adapter and vacuum line in the SVS-1 test box for its next use.

Warning! The battery in the SVS-1 is intended for emergency power failure use only.



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