COMMISSIONING PRESSURISED CABINS WITH BREATHE-SAFE INPRESS UNITS FITTED

The below instructions give a general guide to cabin sealing, testing and commissioning Breathe-Safe variable speed pressurisation units.

1. Inspect cabin and ensure all cover panels are in place and any holes sealed with grommets, sealer etc.

2. Sitting inside the cabin with the door open turn on the ignition to power up the unit.

3. The pressuriser fan should power up to full speed and the monitor should indicate 0 pressure.

4. With the ignition on, close all doors and windows. If the cabin is sealed properly, the monitor should indicate the set pressure of approximately 50 Pa (Pascals).

5. Once a pressure of approximately 50 Pa is confirmed, hold the down arrow button for approximately 10 seconds to run the fan speed at max speed. The display will indicate "MAX FAN SPEED" before showing the maximum cabin pressure.

6. INPREES TL with Auto Pressure Control (5400 RPM) the cabin pressure requirement is 250 Pa (New HEPA Filter)

7. INPRESS TL Single Speed Pressuriser Motor (4000 RPM) the cabin pressure requirement is 150 Pa (New HEPA Filter)

8. If the above pressure is not achieved leave the unit on full speed and investigate for external leaks outside the cabin: e.g. A/C outlets, drains, window & door seals, locks & hinges etc.

9. If necessary; with the ignition on, controller on 'MAX FAN SPEED', A/C blower OFF and all doors and windows closed, set off a smoke emitter inside the cabin (SWP attached).

10. Locate any air leaks around the cabin and re-test. If silicone sealant or similar is used, allow it to dry before retesting as even slamming the door could push the seal back out.

11. Continue the sealing and testing procedure as above until a satisfactory outcome is achieved.

12. Fill out record below and attach photo evidence of maximum pressure result and NANOZEN Real-time Dust Monitoring result in order to register for calibration certificate and warranty.

PRESSURISER INSTALLATION RECORD

DEALER: DEALER REF:

FRESH AIR FILTER: RETURN AIR FILTER:

ACTIVATED CARBON:

MACHINE TYPE:

MODEL:

SERIAL #:

MAX PRESSURE RESULT:

AUTO PRE-SET POINT: 50 PASCALS

FRESH AIR DISCONNECTED: YES: NO:

NANOZEN Real-time cabin test result:
(Five-minute Breathing Zone test within an empty cabin).

INSTALLER   DATE

NOTES

CABIN SEALING TEST PROCEDURE

1- Start Engine - Pressuriser must be ON.

2- Ensure all windows & doors are CLOSED Correctly.

3- Hold down button on INPRESS controller down button for 10 seconds as per image below.

*This will force the blower motor onto MAXIMUM speed & still display the cabin Pressure.

4- Photograph maximum cabin pressure and add result in the attached pressuriser installation record.

** To exit Service Test Mode press the Mute button for 2 seconds

Note: For a new cabin with effective seals you may need to open window slightly before closing the door to bleed the static cabin air pressure outwards.

Once door is fully closed then close windows to begin testing.

SAFE WORK PROCEDURE

Smoke emitter cabin pressure leak test:

1. The pressuriser system is switched on (TEST MODE)
2. Hold the smoke emitter / candle angled down
3. Heat the top of the emitter with a cigarette lighter for a few seconds
4. When the product ignites remove lighter
5. If the product flames up just blow out the flame
6. Place emitter / candle in a non-flammable container and place inside the cabin and close door/windows
7. Observe smoke leaks to indicate worn-out or broken seal locations
8. Do not come into contact with or inhale smoke haze
9. Wait until smoke haze completely disperses before re-entering the cabin

PERSONAL PROTECTIVE EQUIPMENT

Safety glasses must be worn at all times.

Respiratory protection devices may be required.

Gloves may be worn.

Sturdy footwear with rubber soles must be worn.

PRE-OPERATIONAL SAFETY CHECKS

✓ Locate and ensure you are familiar with all machine operations and controls.

✓ Check work area and walkways to ensure no slip/trip hazards are present.

✓ Ensure the work area is clean and clear of any flammable material.

OPERATIONAL SAFETY CHECKS

✓ Ensure machine is correctly isolated / immobilized.

✓ Ensure other persons do not inhale smoke haze.

✓ Take care and do not place a lit emitter close to a flammable surface.

ENDING OPERATIONS AND CLEANING UP

✓ Leave the work area in a safe, clean and tidy state.

POTENTIAL HAZARDS

ⓘ Falls

ⓘ Fumes.

DON'T

✖ Do not use if an open flame is forbidden.

✖ Never leave the emitter [cabin test] unattended.