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Unit Setup

The ALF150 instrument attaches to trolley here.

This is the ALF150 fan inlet. Connect flexi-hose to the inlet to perform negative pressure duct testing.

The mains power connects to the unit here. The main power on / off switch is also located here.

This is the ALF150 fan outlet. Connect the flexi-hose to the outlet to perform positve pressure duct testing.



The 65mm Nozzle is fixed and forms part of the fan inlet. The 35mm and 15mm Nozzle drop into the 65mm Nozzle. To fit the 15 or 35mm nozzle, slide the nozzle into 65mm nozzle all the way down until you hear a clunk, indicating it is seated correctly.

Note. The green o-ring should be towars the top.

To remove, pull the nozzle out.

This is the duct adapter plate with the static pressure tapping. Fix this to the ductwork.

This is the Inlet / Outlet connector which connects to the ALF 150 fan inlet, or fan outlet, depending on test mode.



Once the flexi hose is connected, remember to connect the clear static pressure tubing between the static pressure tapping on the duct adapter plate, and the ALF 150 Instrument.

Instrument Start Up

Once powered, switch the instrument on using the on / off switch on the rear of the instrument.



This is the main menu screen presented at start up.



Use the arrow keys on the instrument keypad to navigate the menu system.



Left & Right:- Navigate between Main Menu, Settings Menu and System Info.

Up & Down:- Navigate between different menu options.

Enter:- Select highlighted menu option.





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Manual Test Mode

In manual test mode, you control the fan speed to generate your required test pressure.

PRESSURE Pa + 113 FLOW STD 1/s	ZS.0 % +
	NOZZLE +

Use Up & Down Keys to increase / decrease Fan Speed.

Use Right Key to activate / deactivate the fan.

Use Left Key to change nozzle used during test. This must match nozzle physically fitted to ALF 150 unit during test.

Use Enter Key to bring up the Pause Menu Screen.

Auto Test Mode

In PID test mode, you pre-configure the test to your required test configuration. The ALF 150 will then automatically generate the required test pressure and indicate if the duct work has passed the pressure test.

CCC PID MENU	HCZ23
	+
TEST STANDARDS	
TEST TARGET SURFACE AREA TEST CLASS	+

From the PID Menu. Navigate the menu options to configure an automatic pressure-controlled test.

You can configure the test standards to be used, target pressure, the total surface area, test class and test duration.

The target max flow rate is then calculated for you, using your test configuration.

PID Test Screen

Once at the PID Test Screen, you can not control the ALF 150. The ALF 150 will automatically begin testing of the ductwork. To pause the test, press the Enter key to bring up the Pause Menu Screen.

