

O & M INSTRUCTION

PRODUCT GROUP 1915 – ATOMISING ODOUR NEUTRALISER

Principles of Operation

- Only for use on negatively pressure Ductwork systems
- Automatic start stop derived from duct pressure
- Manual refill of 5 litre neutraliser reservoir
- 35mm diameter hose from unit to ductwork

Installation

Cabinet Dimensions and Fixing

Cabinet Dimensions: 500 x 500 x 300mm Overall
Access Door: Left to Right, 900mm from wall for access.
Approx Unit Weight: 25kg

The cabinet should be located within 1m of the Kitchen Extract ductwork, on the negative pressure side, as near to the kitchen canopy as possible, thus ensuring the maximum length of time the odour neutraliser is in contact with the odours.

The cabinet should be mounted to allow a 25mm gap at the bottom of the unit to allow airflow. A suitable location and fixings should be selected by the installer.

Mounting holes in the rear of the unit are accessible for installation.

Electrical Supply

The unit is supplied with 1.2m of single phase electrical flex, which should be wired (by a qualified electrician) to a 13 Amp double pole fused spur, having a wired and tested earth connection.

The fuse spur should be within 1m of the Atomising Odour Neutraliser in an accessible location in case of emergency.

The unit will draw approx 3 Amps, and a 5 Amp fuse should be installed within the fused spur.

Access Door

A small access door will be required in the duct run next to the proposed positions for the Pressure Sensor and the Agent Transfer Tube insertion points. This should be located within 300mm of the proposed insertion points.

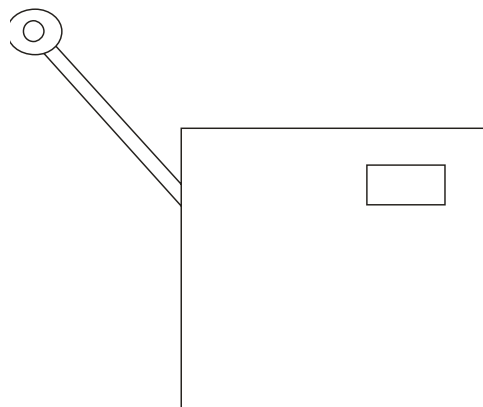
Agent Transfer Tube

The Agent Transfer Connection Piece should be fitted in to the duct wall within 1m of the Atomising Odour Neutraliser.

Agent Transfer Connection Piece: 36mm Flanged Tank Connector (Supplied Loose)

The Agent Transfer Tube should be fitted to the Connection Piece. This is a push fit.

The Agent Transfer Tube must be installed to be straight and angled upwards from the Atomising Odour Neutraliser this will allow any excess condensed neutraliser fluid to flow back into the reservoir.

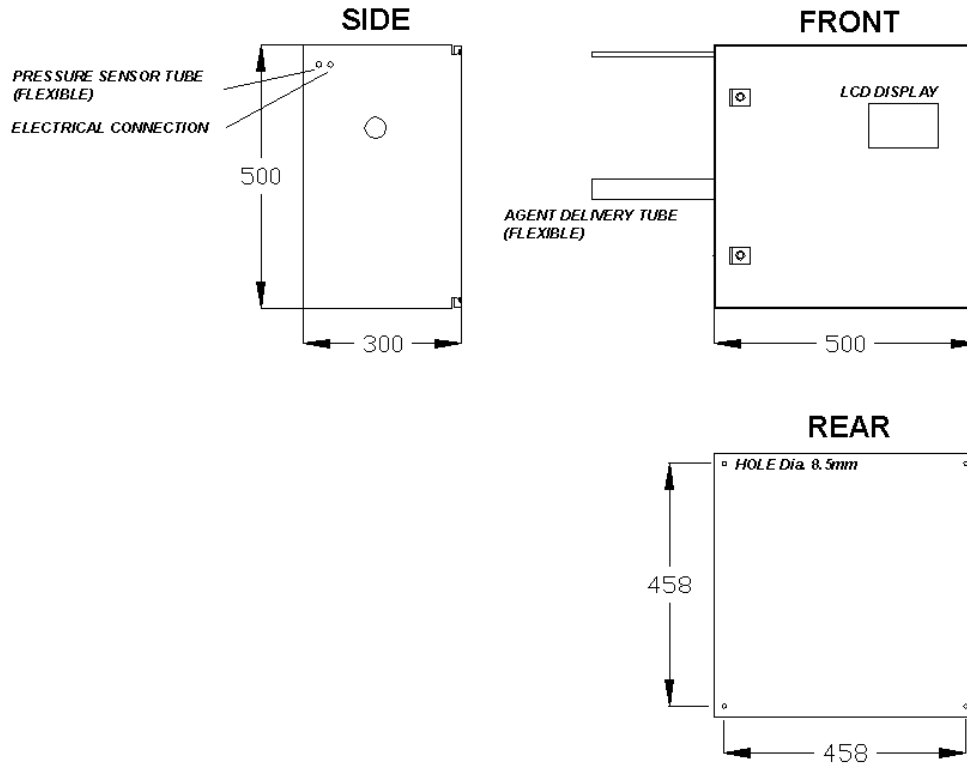


Duct Pressure Sensor

The supplied pressure tapping point, should be fitted to the kitchen extract duct on the negative pressure side of the kitchen extract, adjacent to the Agent Transfer Tube.

The pressure hose attached to the Atomising Odour Neutraliser should be fitted to the pressure tapping point. This is a push fit.

Schematic



Operation

Start / Stop

The Atomising Odour Neutraliser is fitted with a sensor which monitors the extract duct pressure. When this reaches the designed set point of negative pressure, the unit automatically switches on. Similarly when the extract duct is turned off then the unit turns off.

Once the air sensor has determined the unit should operate, the protective sensor on the atomiser will automatically sense that there is adequate liquid within the atomising tank and will commence their operation as will the fan.

The fan pressurises the tank allowing the negative pressure within the extract ductwork to draw the atomised odour neutraliser from the Atomising tank.

The high/ low level sensors within the tank cause the transfer pump to start stop as required to maintain the necessary level of neutralising fluid in the operation tank.

Odour Neutraliser in liquid form is drawn from the 5 litre reservoir held within the unit, as required.

The LCD display panel located on the door of the door of the unit, provides indication of the units operation, and status.

Odour Neutraliser Filling

IMPORTANT!! – BEFORE OPERATION

For first time operation, the internal reservoir needs to be manually filled, using “INITIAL CHARGE” supplied with the kit.

This charge should be poured into the internal tank via the Agent Transfer Tube Connection Point on the Tank. See below.

LOAD INITIAL CHARGE IN
TO THIS HOLE (3 Bottles of
Diluted Odour Neutraliser)



Once all “INITIAL CHARGE” bottles have been emptied into the Tank, the agent Transfer Tube must be inserted into the top of the tank. See below.



Close front door, and turn power

onto unit.

In operation the LCD display located on the front of the unit will indicate its status , and / or when further Odour Neutralising Agent is required in the reservoir.

PLEASE NOTE THE UNIT WILL NOT GENERATE ATOMISED NEUTRALISER AGENT UNTIL NEGATIVE PRESSURE IN THE EXTRACT DUCT IS EXPERIENCED.

Filling Instructions

1. The Atomising Odour Neutraliser will indicate that it needs filling on the LCD status display.
2. Disconnect power from unit via fuse spur.
3. Unlock and Open Door
4. Remove Reservoir from inside the unit and Undo lid to.
5. Refill using odour neutraliser mix as supplied by AIRCLEAN LTD, to within 30mm of neck of bottle. (If using Airclean Concentrate Odour Neutralising Mix, please follow the mix instructions as supplied with agent.)
6. Reposition bottle within the cabinet
7. Relocate the feed pipe and lid, ensuring the tube reaches to the bottom of the reservoir bottle.
8. Close and lock the cabinet door.
9. Turn on the electrical supply.
10. The unit will commence operation as soon as the unit re-establishes the negative pressure within the extract ductwork.

Further Information and Troubleshooting

Should you encounter difficulties with the installation or operation of the Atomising Odour Neutraliser please contact Airclean on 01622 832777.