

# **QUICK REFERENCE GUIDE:**

## **WET DUST ARRESTER UNIT**



### **Switching on**

1. Check for any obvious obstructions in ductwork.
2. Check dust level in collection bin(s) at unit base. Empty if necessary following any appropriate precautions relating to personal protection against inhalation of contaminants and their disposal.
3. Check the integrity of the sleeve (if fitted) connecting the extraction fan inlet to the unit outlet. Any rips or other defects must be reported and logged.
4. Check for blockages in the droplet eliminator vanes, wash scrolls and in overflow pipe work.
5. Ensure unit access door(s) are closed and their latches engaged.
6. Ensure water level is correct (see main instruction manual for more details) and, if unit is located outside, that there is no ice present in the unit and the external water level control box.
7. Switch unit on by a single press of the green 'start' button on the associated electrical control box. The fan will start and the unit and connected inlet ductwork will now be under negative pressure. Units having a fan motor power above 7.5kw (10hp) are usually wired 'star-delta' and a second run up in the fan will be heard shortly after the first.
8. When the wet dust arrester unit & its fan is running do not:-
  - Open any access door on the unit
  - Add or remove water unless the action is part of the necessary procedure
  - Perform any maintenance work
  - Allow items such as gloves or other rubbish to be sucked into ductwork

### **Switching off**

1. Press the red 'stop' button on the associated electrical control box. The fan will begin to slow, although may take several minutes to come to a complete stop. The fan rotation can usually be seen via its drive motor from outside the unit, especially if the fan is remote from the unit. Do not use an isolator to switch unit off as this may disable any associated water level control probes and/or solenoid valves. The water levels inside and outside the unit will move to a level of equilibrium once the fan has stopped. This is the 'Static' or 'Standing' water level referred to in the main instruction manual.

## General DOs and DO NOTs



### **DO:-**

- Observe all safety precautions
- Regularly check unit and ductwork for damage and obstructions, clearing where necessary
- Empty accumulated sludge regularly
- Clean internal wash scrolls and droplet eliminators regularly to avoid a build up of deposits
- On 'Auto-Desludge' units, regularly check operation and condition of the drag link mechanism
- Log any defects or concerns relating to the operation of the unit and/or duct system
- Have the unit and duct system tested annually in accordance with HSE / COSHH requirements



### **DO NOT:-**

- Open any access hatch or door(s) while unit/fan is running
- Enter the unit or perform any maintenance on the unit unless its fan is electrically isolated and the water has been drained and sludge removed
- Attempt to modify any part of the equipment or attached duct system
- Allow foreign matter to enter duct system (e.g. gloves, general waste, etc.)
- Run the unit with any access hatch or door(s) open or ajar
- Run the unit without the correct water level
- Switch unit on and off in quick succession
- Switch unit off using isolation switch unless performing maintenance
- Allow the internal wash scrolls or droplet eliminators to become blocked
- Remove sludge without wearing the appropriate personal protective equipment

For comprehensive maintenance & operation instructions and troubleshooting please see the main user manual.