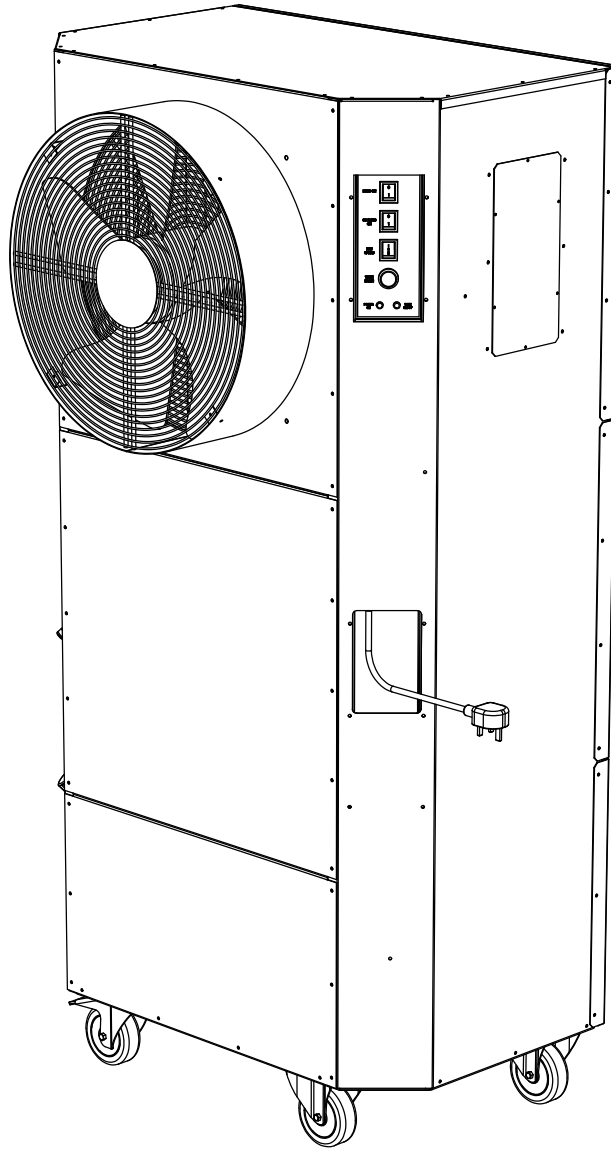




# COMCOOL 50 (CC50) EVAPORATIVE COOLER. PRODUCT MANUAL.



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## Get In Touch

 Call: [01729 824108](tel:01729824108)  
 Email: [info@puravent.co.uk](mailto:info@puravent.co.uk)

## Our Address

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Darlington Road, Northallerton, DL6 2NQ

## WARNINGS



**These instructions should be read by:**

**The specifying engineer.  
The installation engineer.  
The user.  
The service engineer.**



- **Failure to follow these instructions may result in risk of personal injury or damage to the equipment.**
- **Damage due to a failure to follow these instructions will invalidate the warranty.**
- **The appliance must be serviced by qualified engineers in compliance with local regulations.**
- **The appliance must be switched off and disconnected from the power supply before any work is carried out.**
- **There are no user controls inside the appliance casing.**
- **Do not place anything on top of the appliance.**
- **An air gap of at least 900mm should be allowed at the rear of the unit to ensure a clear airflow.**
- **Do not disconnect the appliance from the supply under load.**
- **For internal use only. Do not use out of doors.**
- **Extension cables should be correctly rated for the load, fully unwound and never run through water or over sharp edges.**
- **Always transport in an upright position.**
- **Site on a firm level surface and always apply the castor brakes.**
- **Do not transport with water tank full.**
- **Always inspect mains cables before connecting to the power supply.**

### **Specifications:**



**The COMCOOL 50 is a portable high efficiency evaporative cooler. It is connected to a 13 Amp. 1P 230Vac. 50Hz power supply and comes fitted with a fused UK moulded plug. It has a nominal running current of 2A.**

**It is recommended that the supply to the machine should be protected by a 30mA RCD.**

**These units come with three fan speeds, a high quality diaphragm pump and integral 90 litre water tank as standard.**

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## Set up and operation:

- The unit must be sited on a firm level surface and the castor brakes applied.
- The unit should be situated with the rear of the machine clear of obstructions. A minimum clearance of 900mm is recommended.
- The CC50 requires an uninterrupted supply of fresh unprocessed air to operate correctly and should be sited in a well ventilated area.
- The CC50 requires a constant supply of clean water for correct operation. This can be from mains water supplied to the unit through a standard garden hose connected to a standard tap connector on the machine or by manually filling the integral water tank.
- Where using a mains water supply ensure leak free connections with a maximum system pressure of 3bar (43 PSI). Higher water pressures may damage components and will invalidate the warranty. The integral water tank is fitted with a float valve which will automatically stop the flow of water once the tank is full.
- To manually fill the water tank remove the filler cap and fill the tank with a hose or vessel with a thin spout. Once water is visible in the tank connector the tank is full. Note! when running the CC50 from a manually filled tank the 'Tank Empty' lamp will illuminate when the machine requires re-filling. The water pump will automatically switch off when the tank is empty.
- Connect the machine to a suitable power supply. The 'Power On' lamp will illuminate.
- The unit comes with a 5M mains cable as standard, should an extension lead be required ensure it is correctly rated. Incorrectly rated cables may cause excessive voltage drop and damage the fan and pump motors. This will invalidate the warranty.
- Turn the 'Fans On' switch to 'I'.
- Set the 'Fan speed' switch to the desired airflow; I, II or III. Slow, medium or fast.
- Turn the 'Cooling on' switch to 'I'. This will operate the water pump and a steady stream of water will flow over the cooling pads. Note! cooling will not operate without the fan running. Small dry streaks at intervals along the cooling pad is normal and will vary depending upon ambient conditions.
- It should be noted that new cooling pads may emit an odor when first used, this is normal and will fade with use.

## Emptying the water tank:

- Fit a standard garden hose to the pipe stub labelled 'Tank Drain' and run to a suitable drain.
- Press and hold the 'Tank Drain' button on the control panel. This button is non-latching and must be held down until the water flow ceases. A non-latching button is fitted to minimise dry running of the pump. It should be noted that a residue of water will remain in the tank and the unit should remain upright during storage or transportation.

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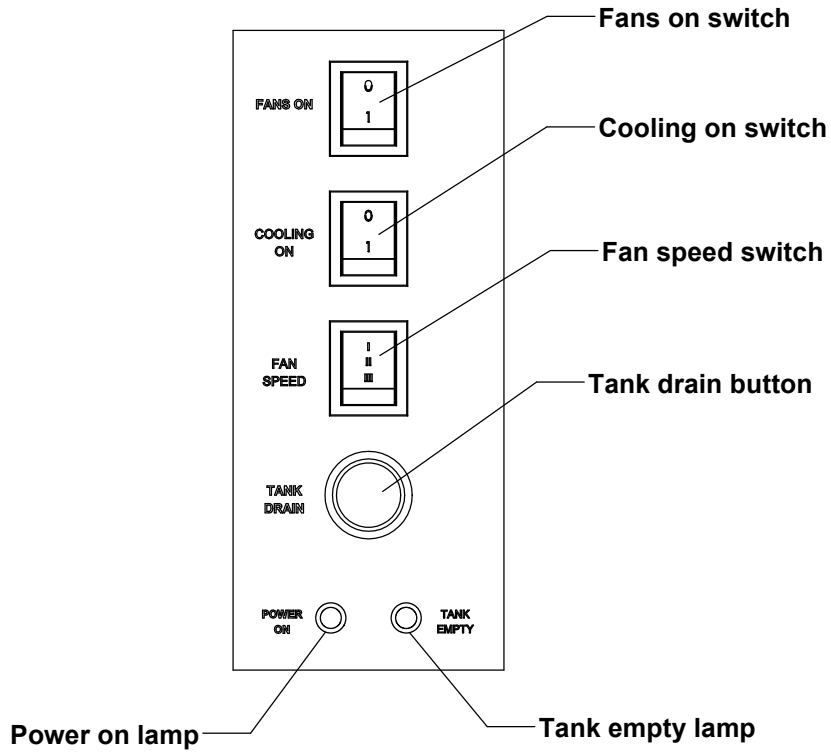


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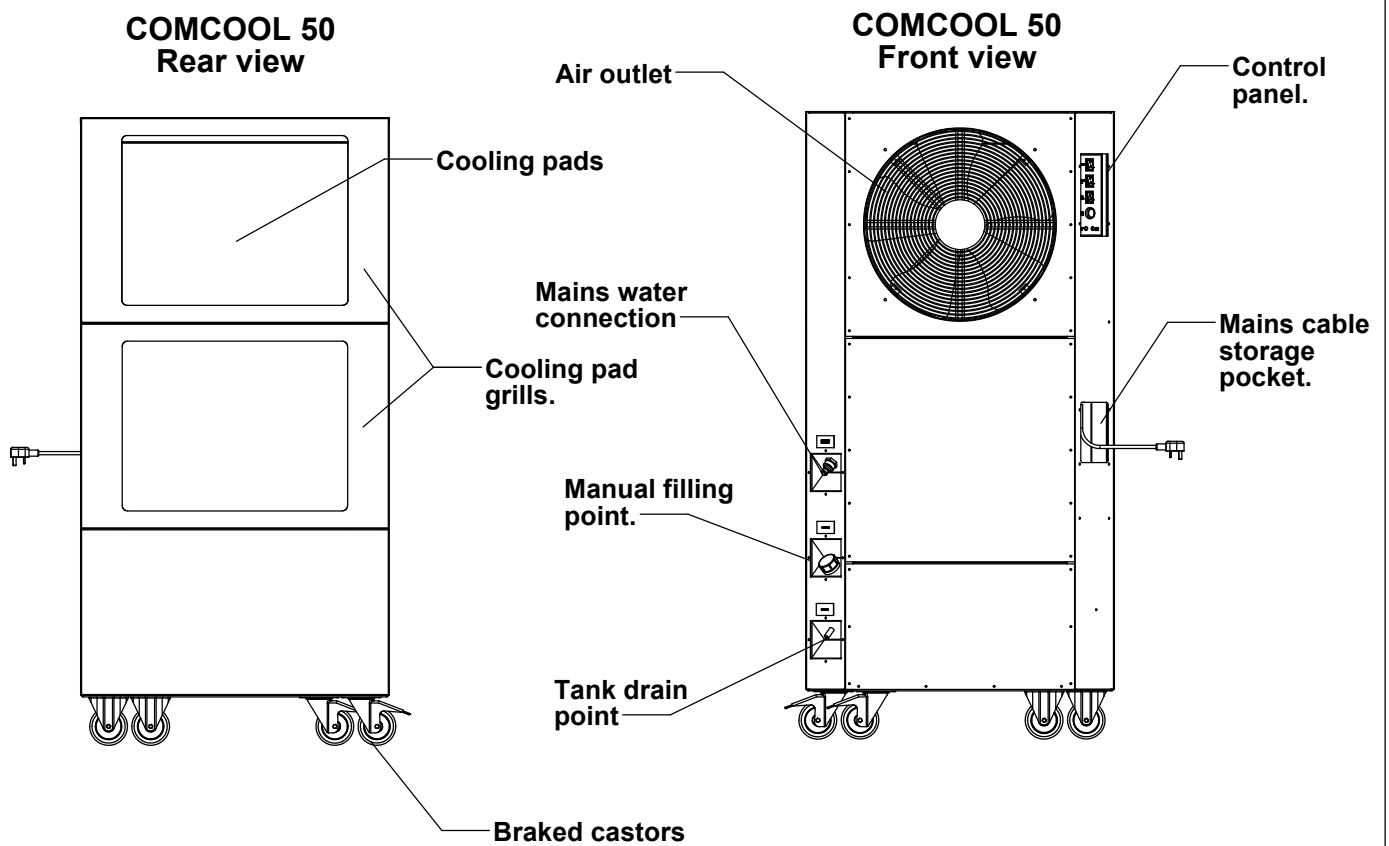
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**CC50 controls:**



**CC50 Front & rear views:**



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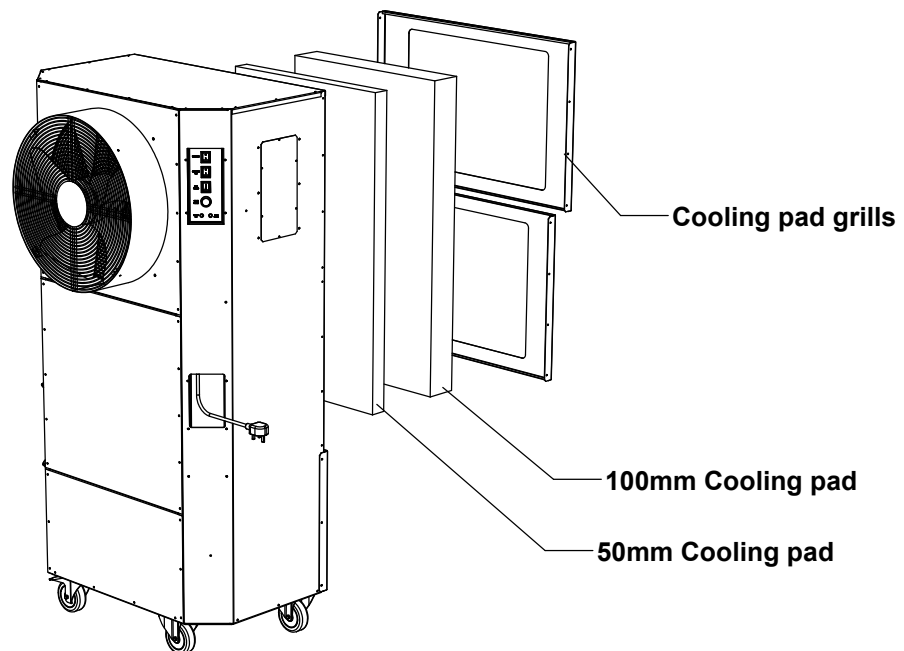
## CC50 maintenance:





**WARNING!**  
**RISK OF ELECTRIC SHOCK.**  
**DISCONNECT THE POWER SUPPLY BEFORE REMOVING ANY**  
**PANELS OR PERFORMING ANY MAINTENANCE.**  
**RISK OF INJURY OR DEATH!**

### Removal and cleaning of the cooling pads:

- For efficient operation of the CC50 it is important to regularly clean the cooling pads to prevent the build up air borne particles on the pads.
- For cleaning and maintenance the cooling pads should be dried by running the fan only before removal from the machine.
- Remove the two cooling pad grills using a No2 pozi driver.
- Carefully remove the two cooling pads. It should be noted that the CC50 is fitted with 1x 50mm and 1x 100mm cooling pad, for correct operation it is important that the pads are refitted in the correct order.
- Cooling pads should be cleaned with a soft brush or compressed air.
- Ensure all grills are secured before operation.



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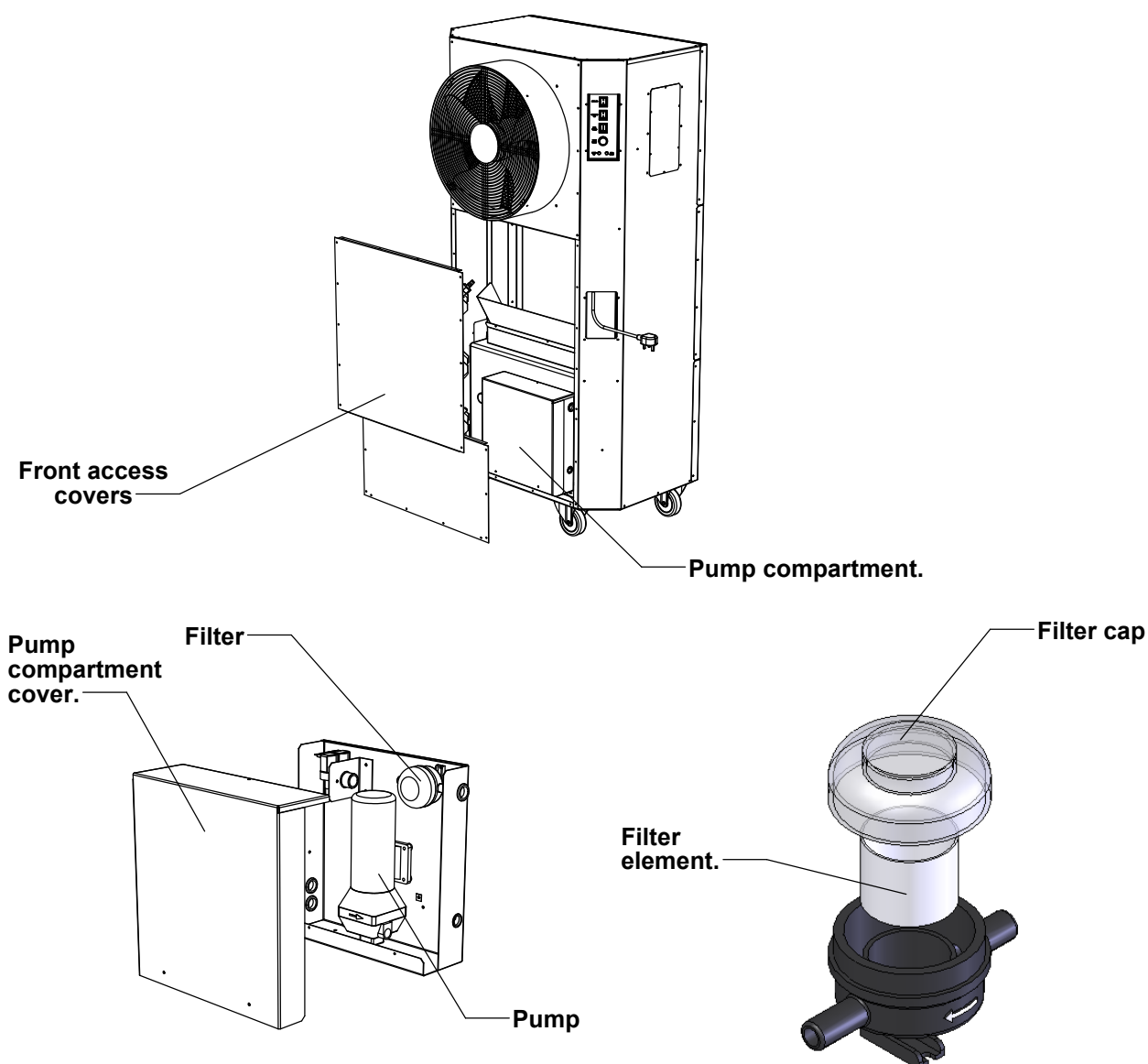
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## Cleaning of the pump filter element:

- **Regular cleaning of the pump filter element is necessary to ensure correct operation of the pump. Failure to clean the filter element will damage the pump and invalidate the warranty.**
- **To access the pump filter disconnect the machine from the power supply and remove the two front access covers to locate the pump compartment using a No2 pozi-driver.**
- **Remove the pump compartment cover to access the filter.**
- **Locate the filter and unscrew the clear plastic filter cap.**
- **Remove the gauze filter element and clean in fresh water. Remove any detritus from the element housing.**
- **Re-fit the filter element and cap ensuring the silicone 'o' ring is correctly located.**
- **Clean up any water spillages before re-fitting all covers.**



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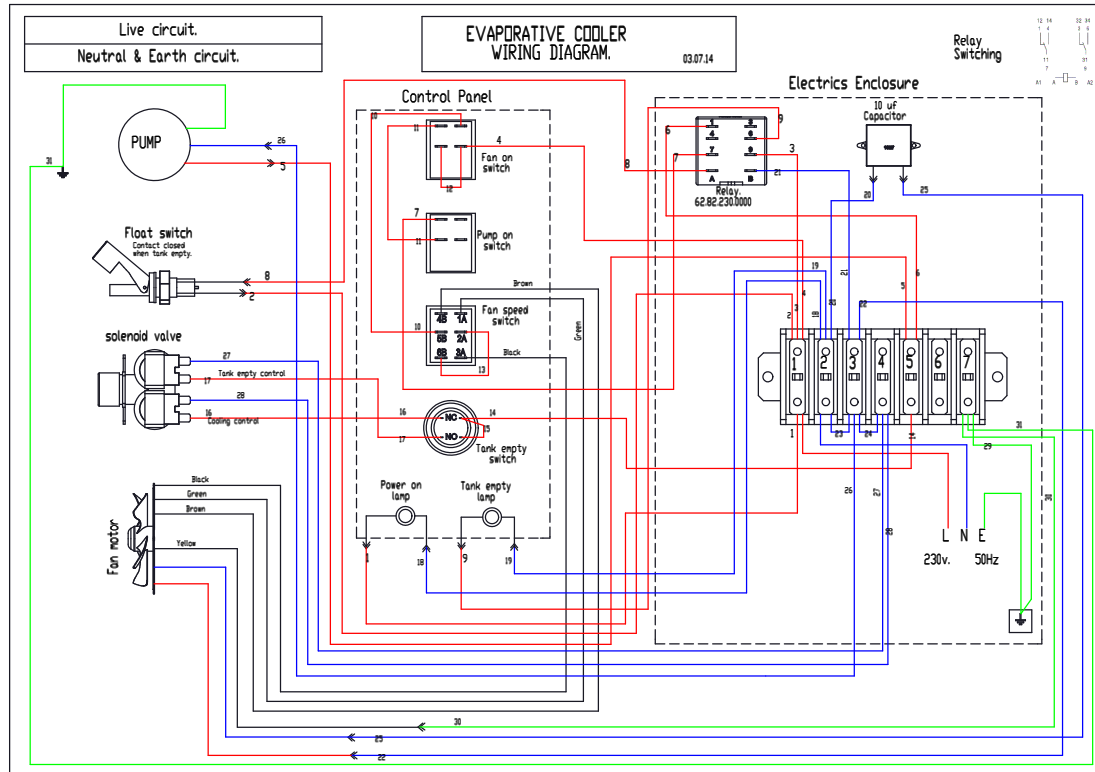
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# CC50 WIRING DIAGRAM



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