



Central Vacuum Cleaners Direct  
Central Vacuum System Commissioning

Customer name \_\_\_\_\_ Tel number \_\_\_\_\_

Installation address \_\_\_\_\_

DETAILS of system

Vacuum unit model \_\_\_\_\_ Number & type of sockets \_\_\_\_\_

Vacpan? \_\_\_\_\_ Utility socket? \_\_\_\_\_

Hose length \_\_\_\_\_

Testing 12 volt connections.

When the pipework and wire have been installed, check the continuity of the wiring. At each socket, make sure that the 2 ends of the wire are not touching, & check the circuit by putting an ohmmeter across the 2 ends of the cable at the vacuum unit end. It should be an open circuit.

Now test the wiring to each socket in turn by twisting the 2 ends of the wire together at the socket end. Only test one socket at a time. Check the circuit again at the vacuum unit end - it should be a closed circuit. Separate the 2 ends of the wire at the first socket before testing the second. Repeat for each socket.

COMMISSIONING

Measure vacuum at inlet on unit (not essential - only if vacuum gauge available). Mount vacuum unit and connect to pipework - **DO NOT glue the final connection to inlet or exhaust** so that vacuum unit can be removed if necessary. Ensure that there is at 50 mm clearance above machine for ventilation.

Fit vacuum sockets.

Short circuit the 12 volts terminals on the vacuum unit so that machine runs continuously. If the system is correctly installed with no leaks, then there will be no air entering the system and therefore little or no air coming out of the exhaust outlet - check outlet and also ensure that the exhaust is not restricted as a partially blocked exhaust will affect the effectiveness of the system. A small amount of air coming from the exhaust is not a problem as it is almost impossible to make a system completely airtight.

With motor running, place an ear against each vacuum socket & listen for leaks. Ignore the slight background noise but a leak will be quite noticeable. Investigate and correct if vacuum socket is leaking. (If possible, open a socket & test vacuum with a gauge. Ideally it should be at least 90% of specified vacuum or of the vacuum measured at unit.)

Finally test that each socket has a clear pipe run back to the unit. With motor running, open each socket in turn & put a piece of paper (such as kitchen towel or toilet tissue) into the socket. If the pipe work is clear, this will be sucked back to the vacuum unit and be found in the bin. In order to check individual sockets, number the bits of paper and ensure that they are all in the bin. If one is missing, investigate cause. (If using a vacuum unit with a paper bag filter, remove the bag from the bin for this test & replace when testing finished)

Remove link from 12 volt terminals.

COMMENTS

Tested by

Date