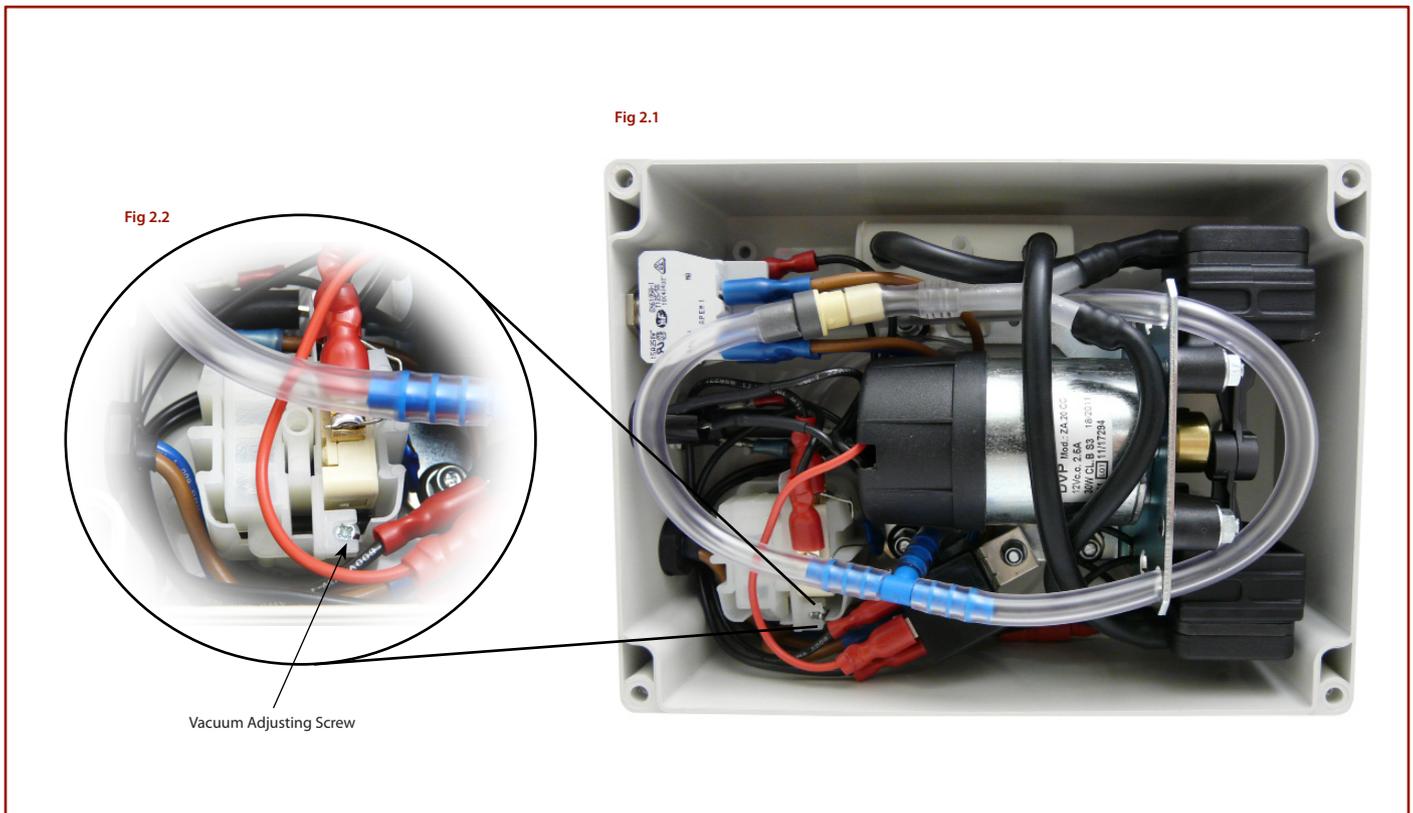
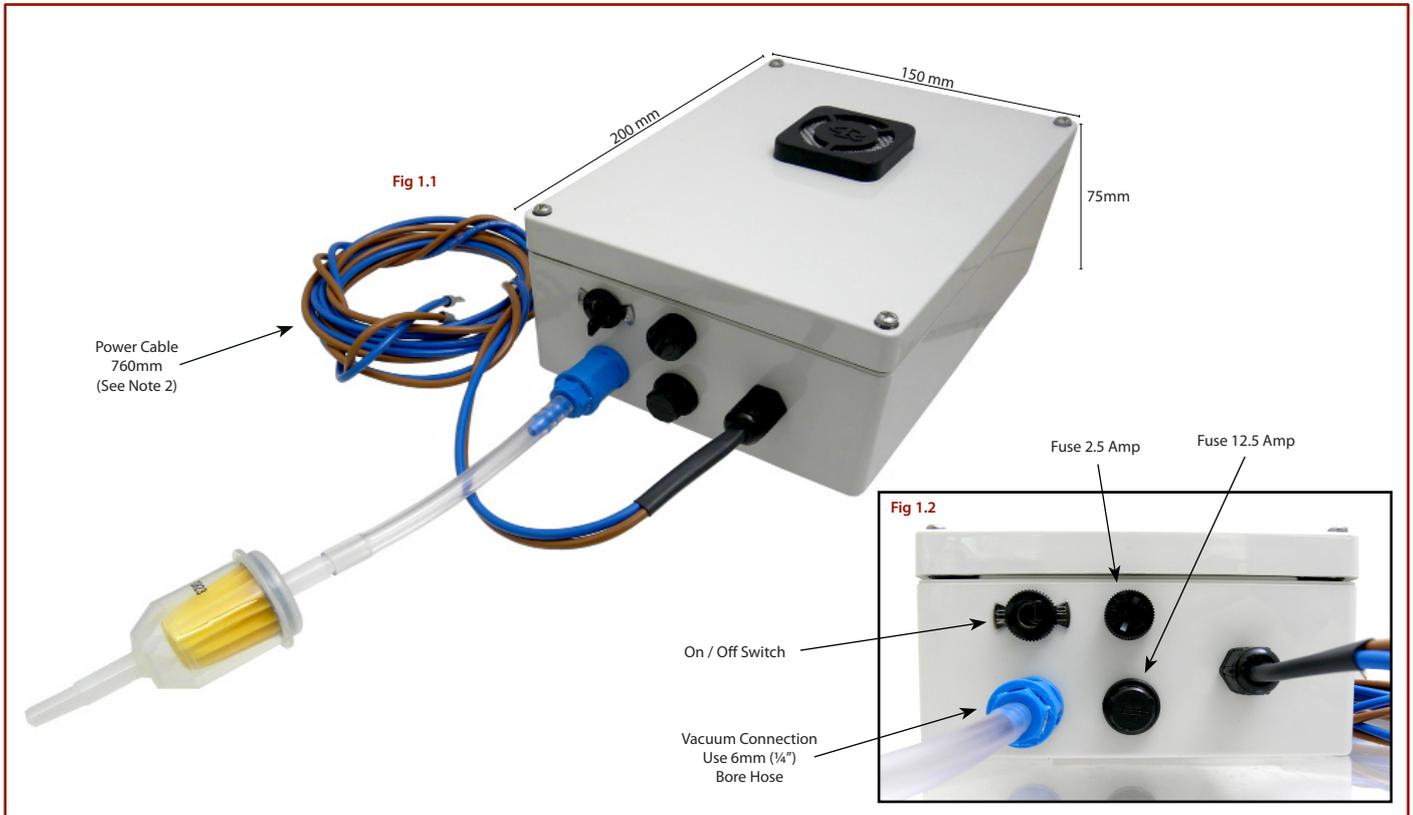




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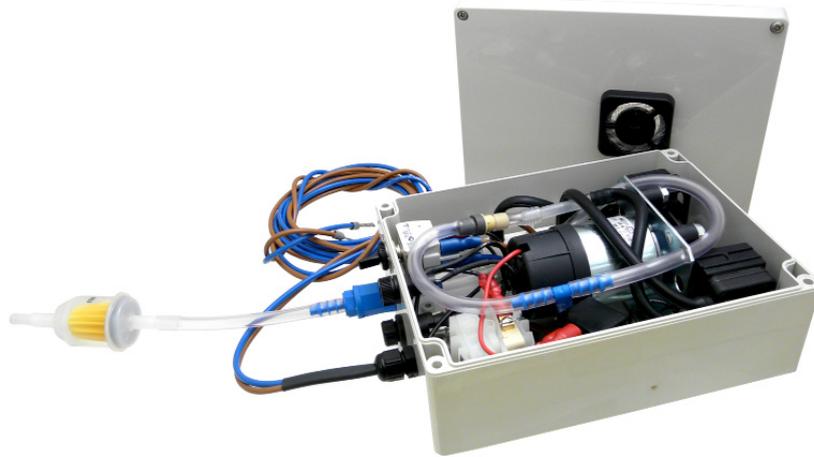
PNR 2E - 12v Vacuum Pump Operational Instructions





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PNR 2E - 12v Vacuum Pump
Operational Instructions



IMPORTANT

In the interest of safety, as this unit contains bare contacts, any alterations other than adjusting the vacuum screw must be carried out with the supply disconnected.

1. The unit may be mounted in any position but avoid dust, debris or water entering the enclosure as it is not intended for use in adverse conditions.
2. The supply leads are 2.5mm CSA and should ideally be connected to the 12v power supply via a 12.5 Amp fuse fitted in the positive lead (brown) at source. If required the leads may be extended using 2.5mm CSA cable with a switch fitted closer to the source, leaving the one fitted to the unit in the 'on' position. We can supply the necessary extra items if required. There is also a 2.5 Amp fuse to protect the control circuit. Spare 2.5 & 12.5 Amp fuses are also included and taped to the inside of the enclosure lid.
3. The vacuum level has been set at approximately 15" Hg which should be adequate for normal operations. It can be adjusted by the screw on the vacuum switch shown in fig 2.2 overleaf. Turning the screw clockwise will raise the vacuum. However we do not recommend running higher than 15.5" Hg.
4. To ensure that this unit works effectively it is important to maintain a voltage of 12v, therefore a well maintained battery is necessary.
5. This unit is fitted with a non-return valve and an external filter at the end of which the train pipe should be connected.
6. A thermal cut out is incorporated in the vacuum pump which will switch and isolate the motor and in the event of it starting to overheat, the cut out will automatically reset when the motor has returned to a working temperature. Should the cut out activate the reason for this occurring should be investigated and rectified. In the unlikely event that the motor keeps cutting out and no cause is apparent PNP RAILWAYS should be informed and the unit may have to be returned.
7. The maximum running current is 9 Amps at 12v.
8. **Please Note:** All covers must be in place before running the pump.