Drum Vacuum System Site Installation

Applies to ThermoFlex

Background

WARNING! – This procedure is intended for qualified Creo personnel only. High voltages are present in the service area. Extreme caution must be used when connecting power to this unit.

Tools and parts

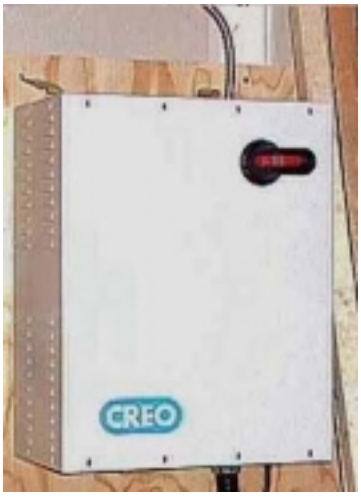
- M4 Allen Key
- Electric drill and mounting bits.

Steps

1. Choose an appropriate location for the Drum Vacuum System. Refer to Site Preparations & Requirements document http://intranet.creo.com/support/html/ThermoFlex/install.htm

   Grounding is vital-High Leakage Current is present. The power source to the DVD should have a maximum 20A branch circuit protection.

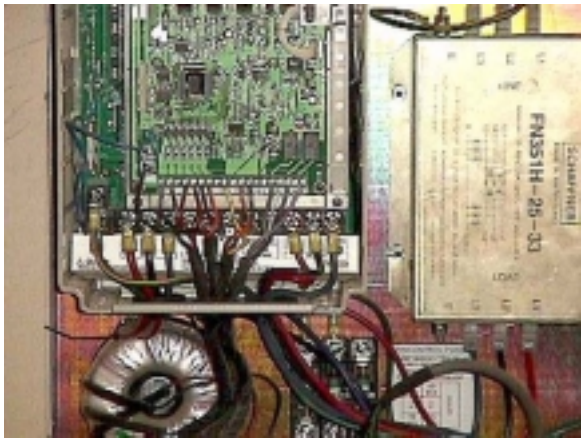
2. Mount the Drum Vacuum Drive (DVD) to the wall as shown below.



   Ensure that the DVD is attached to a wooden surface. The DVD mounting hole footprint is 350mm x 480mm, see installation details doc 10-4141A-A-DD. If footprint does not match stud spacing, attach a large enough piece of plywood to the wall, for DVD mounting. The plywood should be able to support its weight, plus the weight of the DVD (64 lbs, 29 kg).

When mounting the DVD to the wall, ensure that four 1 ¾" length 5/16"diam wood screws are used along with washers with an outer diameter of 1".

3. Secure the Drum Vacuum Pump(DVP) to the floor. Before securing the DVP to the floor, 4 holes will have to be drilled into the floor. The footprint of the mounting holes are 540mm x 980mm , see installation details doc 50-1806A. Secure DVP to floor with four 3/8" diam studs or bolts.
4. **Ensure that the branch circuit power to the DVD is off!**
5. Remove the DVD cover.
   Refer to document 77-0093A-A-PR01.doc
6. Connect the DVD to a three-phase power supply between 380V and 460V. Refer to the Site Preparations & Requirements document for details on the power requirements.
7. Using the wiring diagram attached to the DVD box, connect the power cable between the output of the DVD and the Drum Vacuum Pump (DVP).



8. Connect the control cable between the ThermoFlex machine and the DVD.
9. Check all connections and apply power to the DVD.
10. Program the DVD (see notes below).
    Refer to document 77-0092A-A-PR01.doc
11. Replace the DVD cover.
12. Connect the Drum Vacuum hose to the ThermoFlex machine.
    Refer to the Site Preparations & Requirements document - Appendix B.

Notes

DVD programming is only necessary for replacement units. DVDs shipped with ThermoFlex machines will be pre-programmed during system integration.

Technical contact

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