

Introduction - This document provides the instructions necessary to install the VacStar NEO Models VS50NEO and VS80NEO system into a utility room that is properly prepared for the system to be installed. This means that all site requirements have been met and plumbing and electrical systems are in place prior to making the installation.

Installation -

- Place VacStar NEO in prepared utility site.
- Connect the operatory main line to the Intake solids collector inlet port.
- Connect the drain port of the VacStar to the facility drain
- Connect facility water to the push to connect water inlet connector.
- If installing a 24V remote switch, refer to the 24V Connections of this guide.
- Connect VacStar to the appropriate facility power.



Model VS80NEO

Important -

- Make sure to install the system in accordance with all local electrical and plumbing codes.
- Make sure all hose connections are straight and secure without any sharp bends or kinks. Do not stress the rigid vacuum hose connections especially at the pump inlet.

VacStar Documentation - Refer to the following for more detailed plumbing, electrical connections and site requirements.

- User's Manual, P/N K1019.
- Pre-Installation Guide, P/N K1106.

ELECTRICAL CONNECTIONS

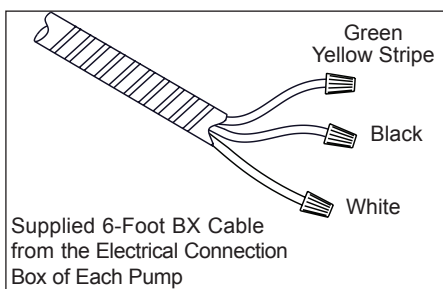
220V Connections:

- Each pump has its own 6-foot BX cable pre-wired to the electrical connection box for direct wiring to dedicated 220V, single phase 50/60 Hz circuit via a disconnect box with approved ground.
- Disconnect box should be mounted no more than 3 feet of each other and 3 feet of installation center line.
- The supplied cable is pre-wired in the electrical box of each pump. Connect cable wires by matching color.

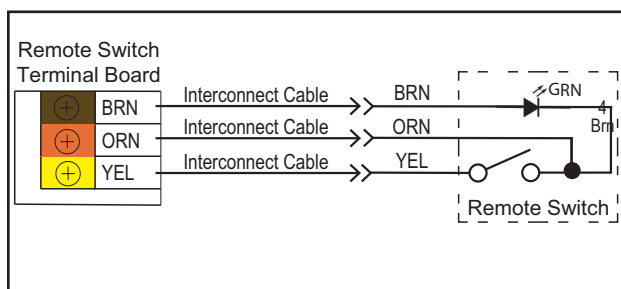
Important: When not connecting a 24V remote switch, the ORG and YEL wires must be tied together and the BRN wire insulated for pump operation.

24V Connections:

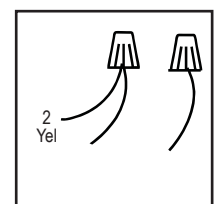
- 24V Connections are used when installing a 24V remote switch. They are made via a supplied interconnect cable that is also pre-wired to the electrical connection box of each pump.
- Make the 24V connections shown below for the remote switch. When not using the remote switch, insulate the BRN wire and tie the ORG and YEL wires together.



220V Connections

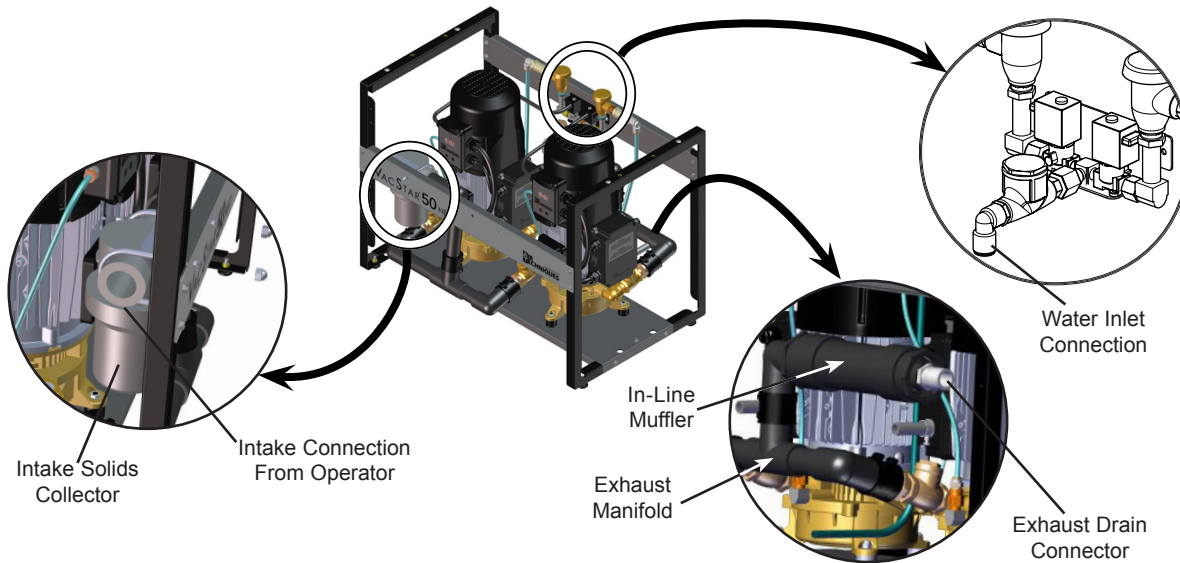


24VDC Connections



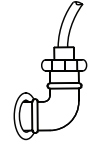
Connection without 24V Switch

PLUMBING INSTALLATION



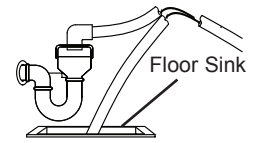
DRAIN OPTIONS

Direct connection to vented drain. No traps before vent.



Closed Vented Drain

OR



Open Drain Pipe

SCHEDULED MAINTENANCE

☐ Daily Maintenance - Clean vacuum lines

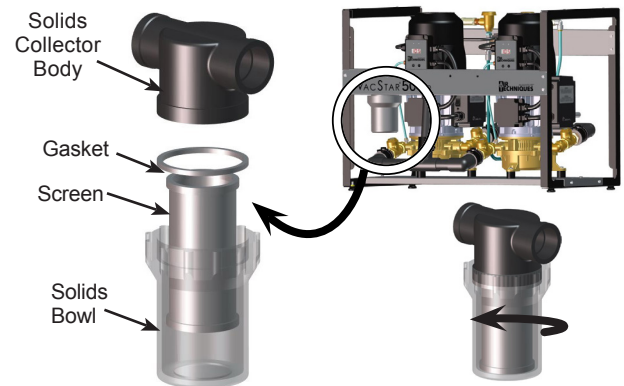
Flush all vacuum lines and tubing in the dental system with Monarch CleanStream Evacuation System Cleaner.

☐ Routine Inspection - Monthly

1. Check tubing for kinks or cracks.
2. Check for abnormal noises and leaks.
3. Make sure both motors are running.
4. Check exterior surfaces for dirt and debris, clean if necessary.
5. Check that no flammable, corrosive, or combustible materials are stored in the equipment room (especially in the area around the equipment).

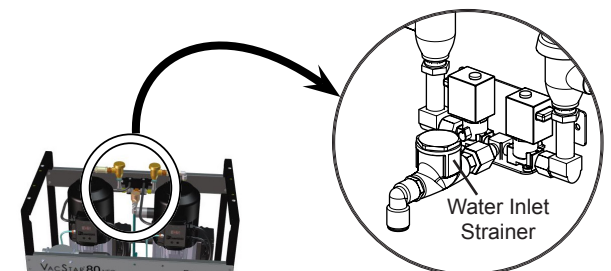
☐ Intake Solids Collector Replacement - Monthly

1. Turn off the power and water supply.
2. Unscrew the solids bowl (counter clock-wise) and remove the screen and gasket. Dispose of all three items.
3. Assemble a new bowl, screen and gasket included in the Solids Collector Replacement Kit. 55094 (55094C case of 10 kits).
4. Install the new solids collector by screwing the bowl into the solids collector body.



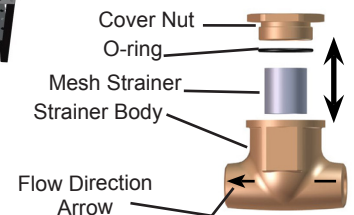
☐ Check/Clean Solenoid Water Inlet Strainer - Semi-Annually

1. Turn off the power and water supply to the equipment.
2. Use a 1³/₁₆ inch wrench to unscrew (counter clockwise) the cover nut.
3. Remove the cover nut and strainer.
4. Inspect the strainer and clean as necessary.



☐ Assembling the Water Inlet Strainer

1. Orienting the assembly with the cover nut facing down as shown, seat strainer into the cover nut.
2. Insert the strainer up into the strainer body and tighten the cover nut.
3. Make sure the strainer stays perpendicular to the strainer body.
4. Push up and tighten the cover nut making sure not over tighten.



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