

SYSTEM MOUNTING INSTRUCTIONS

Issue: How to properly mount a Vmax oil-sealed liquid ring vacuum pump system.

Each Vmax system is tested and checked at the factory prior to shipment to ensure trouble-free operation. In the unlikely event you encounter a problem, we recommend that you consult with your local distributor for parts/service. Remember, when calling for service, parts or system information, always have the pump or system model number and serial number ready.

[Click here to find your local authorized distributor.](#)

The system must be mounted on a level surface in a horizontal position. The foundation must be designed to support the total unit weight without any settlement or crushing, be rigid and substantial enough to absorb any equipment vibration, maintain true alignment with any drive mechanism, and must support the baseplate at all points. Uneven floors may distort the baseplate, which can cause vibration.

Large equipment (greater than 40 HP) should also be grouted into position. The foundation should be constructed to allow for 3/4" to 1 1/2" of grout. The baseplate is set on shims and grout is poured between the foundation and the baseplate. To have the required body to support the baseplate, grout should be at least 3/4" thick.

The number and location of shims will be determined by the design of the baseplate. Firm support should be provided at points where weight will be concentrated at the anchor bolt locations. Use enough shims and large enough shims to provide rigid support. Baseplates are usually designed with openings to allow pouring grout. When the baseplate has been shimmed and leveled and the anchor bolts have been tightened snugly, a dam is constructed around the foundation to contain the grout. The dam level should be at least 1/2" above the top surface of the shims. Grout should be poured inside and around the outside of the baseplate and leveled. Allow the grout to dry for a minimum of 48 hours before tightening the anchor bolts.

NOTE: The pump/motor coupling and Vbelt units will need to be realigned prior to startup, except with monoblock units.

