SYSTEM VIBRATION

Issue: Excessive vibration

Each AquaSeal water-sealed liquid ring vacuum pump system is tested and checked at the factory, including vibration testing, 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.

WARNING! Before attempting any repairs, disconnect all power from the system by switching off power at the main breaker or disconnect switch. Always use appropriate Lock Out - Tag Out procedures.

Excessive vibration in machinery can come from a variety of sources. If the system is showing signs of vibration, check the following:

- Check the coupling and coupling element for proper alignment. If the coupling element is worn or damaged, replace it. After installation and prior to starting the equipment for the original startup, check the coupling alignment as it may have moved during shipment.
- Check that the pump bearings and motor bearings are greased. Check the bearing housing on the pump for grease fittings. Many pump models are equipped with shielded bearings that do not require the customer to grease them. Models that contain greaseable bearings will have grease fittings located on the bearing housing. Motors are all equipped with grease fittings on each end of the motor.
- Check that the baseplate is properly supported. Uneven floors may distort the baseplate which can cause vibration. See related article on System Mounting Instructions.
- Check that the mounting bolts of the pump, coupling, fan and cooler are not loose. Tighten as required.
- On belt-drive systems, check the belt alignment.
- Verify the amount of seal-fluid flow to the pump. Excessive seal-fluid flow can cause "surging" that can cause vibration.