SECOND-STAGE MIST ELIMINATOR INSTALLATION

Instructions Issue: How to Install a Second-Stage Mist Eliminator

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:

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.

Some oil-sealed liquid ring vacuum pump systems will add an optional second-stage mist eliminator, often called a polishing filter. The second-stage mist eliminator is designed as a tank with a removable lid on top, an inlet flange on the side near the bottom, a discharge flange on the side near the top, and one or more separator elements located inside. A mounting bracket is located on the side of the tank to support the polishing filter.
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The mist eliminator should be mounted to a solid support by bolting the mounting bracket to the support. The discharge piping from the vacuum system's separator tank will connect to the flange on the inlet of the second-stage mist eliminator. The discharge air from the vacuum system will enter the inlet of the mist eliminator; pass through the internal separator elements inside the mist eliminator, then exit from the discharge flange.

Make sure to allow adequate clearance above the mist eliminator to be able to replace the internal separator elements for normal maintenance.

The scavenge lines on the mist eliminator should be connected to a piece of Teflon tubing that runs from the scavenge line fitting on the mist eliminator to the inlet manifold of the vacuum pump. This will allow any fluid collected in the mist eliminator to be sucked back into the vacuum pump.