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How to properly maintain your vacuum pump's life support system:

The life blood of your pump is the oil. Our vacuum pumps will deliver years of excellent service as long as the oil is changed as recommended.

The oil in the pump forms a micro-thin layer on all moving parts, which enables the pump to operate smoothly. Oil acts as a sealant, preventing the leakage of air past the rotor and vanes; assuring ultimate pressure on the intake.

Oil acts as a coolant, dissipating away unwanted heat in the pumping chamber. Over a period of time, intense heat inside the compression chamber will cause the oil to oxidize, diminishing its lubricating and sealing properties.

The oil and filter help protect your vacuum pump from possible damage from particles that come from the vacuum process. The oil entraps these particulates until they are filtered out through the oil filter or removed by changing the oil.

If these particles build up in the oil filter, it will become clogged. Oil and oil filter changes are the most important maintenance items in an in an oil lubricated vacuum pump. Routine maintenance will extend the life and efficiency of the pump.

Maintenance Schedule:

The maintenance intervals depend solely on the individual operating conditions. The guidelines below shall be considered as starting values which should be shortened or extended as appropriate.

Particularly heavy duty operation, such as high dust loads or high moisture products, other contaminations or ingress of process material, can make it necessary to shorten the maintenance intervals significantly.

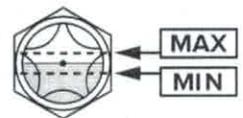
Daily:

Check oil level and the color of the oil. Oil should remain at the middle of the sight glass and should be light, and mostly transparent. Milky oil, oil that has signs of contamination, or oil with particles floating through out should be changed immediately.

Weekly:

Check the oil level and the color of the oil. Change as needed. If the oil level has dropped beneath the MIN-marking, make sure the vacuum pump is shut down and locked against inadvertent start up then refer to the following instructions:

- Remove the filling plug
- Top off oil until the level reaches the middle of the sight glass
- Firmly reinsert the filling plug together with the seal ring



Every 6 Months:

Make sure the housing is free from dust and dirt, clean if necessary.

Every Year:

Replace the filter.



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