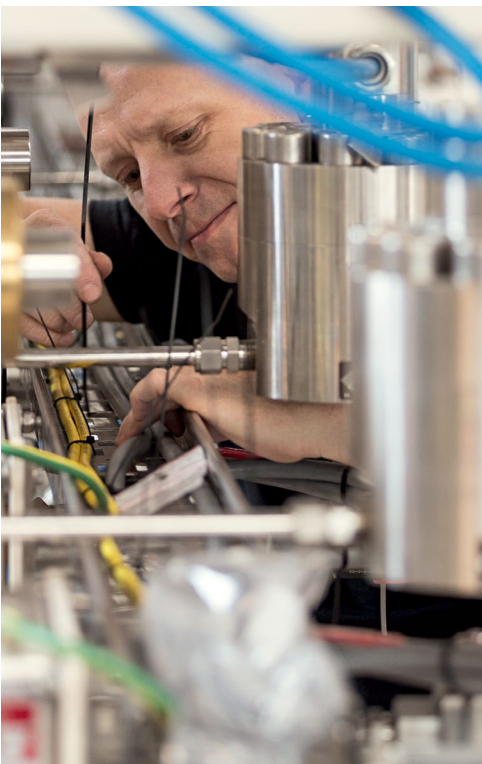




LEWA Preventive Maintenance Plans

Expert pump maintenance to keep your chromatography process operating at peak levels.



A trusted name in liquid process chromatography

Biopharmaceutical manufacturers trust LEWA diaphragm pumps and systems for chromatographic separation processes to purify their products. Our pumps are built to deliver unmatched reproducibility and accuracy, wide flow rate ranges, and reliability.

If your facility has a chromatographic system, chances are you'll find a LEWA pump inside.

Proper maintenance is critical to performance

LEWA pumps are built to provide years of dependable and efficient service. Our pump technology offers a variety of check valve and diaphragm options with proven reliability designed to operate continuously for thousands of hours.

Achieving consistently high performance requires regular maintenance. The reproducibility and accuracy of your processes may be compromised if the metering pumps driving your system not adequately maintained. By properly maintaining your pump, you'll ensure robust chromatographic processing with run-to-run consistency, resulting in highly reliable product yield and purity.

Service straight from the manufacturer

With a LEWA Preventive Maintenance plan, you can ensure your metering pumps continue to operate in peak condition, maximizing their service life. As the original manufacturers, we understand our diaphragm metering pumps better than anyone else, and offer the expertise to help your system provide dependable and efficient service for years to come.

Tailored to your requirements

Our Technical Support Team will work with you to design a cost-effective and beneficial PM plan. Your customized plan will include:

- Replacement or maintenance of parts critical to proper pump operation
- Preventive maintenance services
- Hands-on and classroom training for onsite personnel designed for your specific equipment and application needs

Preventive Maintenance Parts

Maintenance or replacement of the following critical components helps assure peak pump performance.

Part	Replacement Schedule	Reason
Diaphragm	Generally not to exceed a period of 2 years. Depends on customer SOP, operating time and fluids.	Diaphragms have multiple layers to improve flexibility and strength, which can be contaminated if left unattended for long periods, depending on the fluid makeup.
Check Valve	Annually	Clean, sharp-edged seat allows flow through the pumping chamber. Low or fluctuating flow rates can occur when dirt, scratches, or worn valve seatings occur.
Air Filter	Annually	Rapid exchanges of air follow the stroke speed. Keeping the wire mesh path clear allows a smooth exchange of air. A dirty filter can become a source of unstable hydraulic balance and an external barrier growth location.
Gear Oil	Annually	Ensure maximum efficiency.
Upper Bearing	Every 4,000 hours	Lubrication is dependent on splashing. Slow motor speeds for long periods of time can limit the lubrication to this bearing. Improper settings could result in reduced pump output or system component damage.
Pressure Relief Valve (PRV) – Check or reset pressure setting	Annually	Improper settings could result in reduced pump output or system component damage.

Selection of parts targeted for replacement is based on understanding system risks.

To find out more about customized LEWA Preventive Maintenance plans contact the LEWA representative in your region.

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