



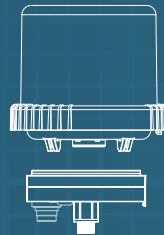
VISIO SERIES

**AUTOMATIC LUBRICATION
WITH AI-DRIVEN PRECISION,
VISUAL MONITORING AND
PLC FEEDBACK.**

WWW.MEMOLUB.COM

AUTOMATIC LUBRICATION WITH AI-DRIVEN PRECISION, VISUAL MONITORING AND PLC FEEDBACK.

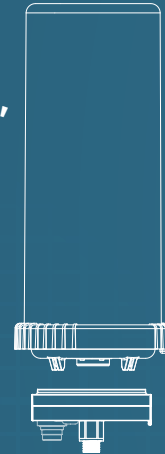
- BATTERY OR EXTERNALLY POWERED.
- 25 BAR EJECTION PRESSURE.
- UP TO 12 OUTLETS.
- REMOTE INSTALLATION UP TO 8M.
- OPTIONAL PLC DRIVEN SETTINGS.
- BUILD-IN VISUAL FEEDBACK.
- EASY TO USE WITH CLOSED LOOP FEEDBACK SYSTEMS.



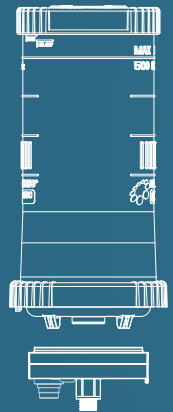
120cc



240cc



480cc



500ml



VISUAL MONITORING AND FEEDBACK WITH AI-DRIVEN PRECISION.

MEMOLUB VISIO Series leverages AI and machine learning to analyse lubricant flow within the pump, detecting issues like system back pressure, clogging, and empty cartridges by monitoring vibration and sound patterns. This advanced analysis allows maintenance teams to closely monitor lubrication across their machine park. When the system identifies a potential issue, visual feedback is provided through integrated LEDs, enabling timely intervention and ensuring optimal performance.



Active: a pumping cycle ran successfully.



Warning: the cartridge and/or battery is almost empty.



Alert: an error occurred.



THE RIGHT TYPE OF LUBRICANT

+



THE RIGHT QUANTITY OF LUBRICANT

+



THE RIGHT FREQUENCY OF LUBRICATION

+



THE RIGHT LOCATION OF LUBRICATION

EFFICIENT LUBRICATION = COST SAVINGS

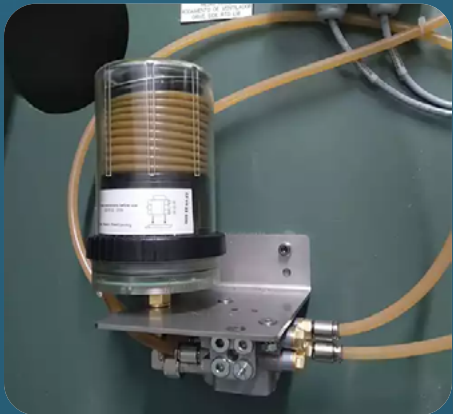


THE RIGHT VOLUME AT THE RIGHT FREQUENCY IS KEY.

There are 9 main frequency settings available that are suitable for most industrial applications, as well as the option to control your MEMOLUB VISIOPRO by PLC. They are programmed by selecting your preferred setting with one of the MEMOLUB VISIO SERIES base modules. With the help of stroke washers the amount of lubricant discharged per lube cycle is adjustable. Installing one, or a combination of multiple stroke washers, into the fitting will limit the stroke length of the piston inside the lubricator and leads up to 80 possible frequency/volume settings.

TECHNICAL SPECIFICATIONS

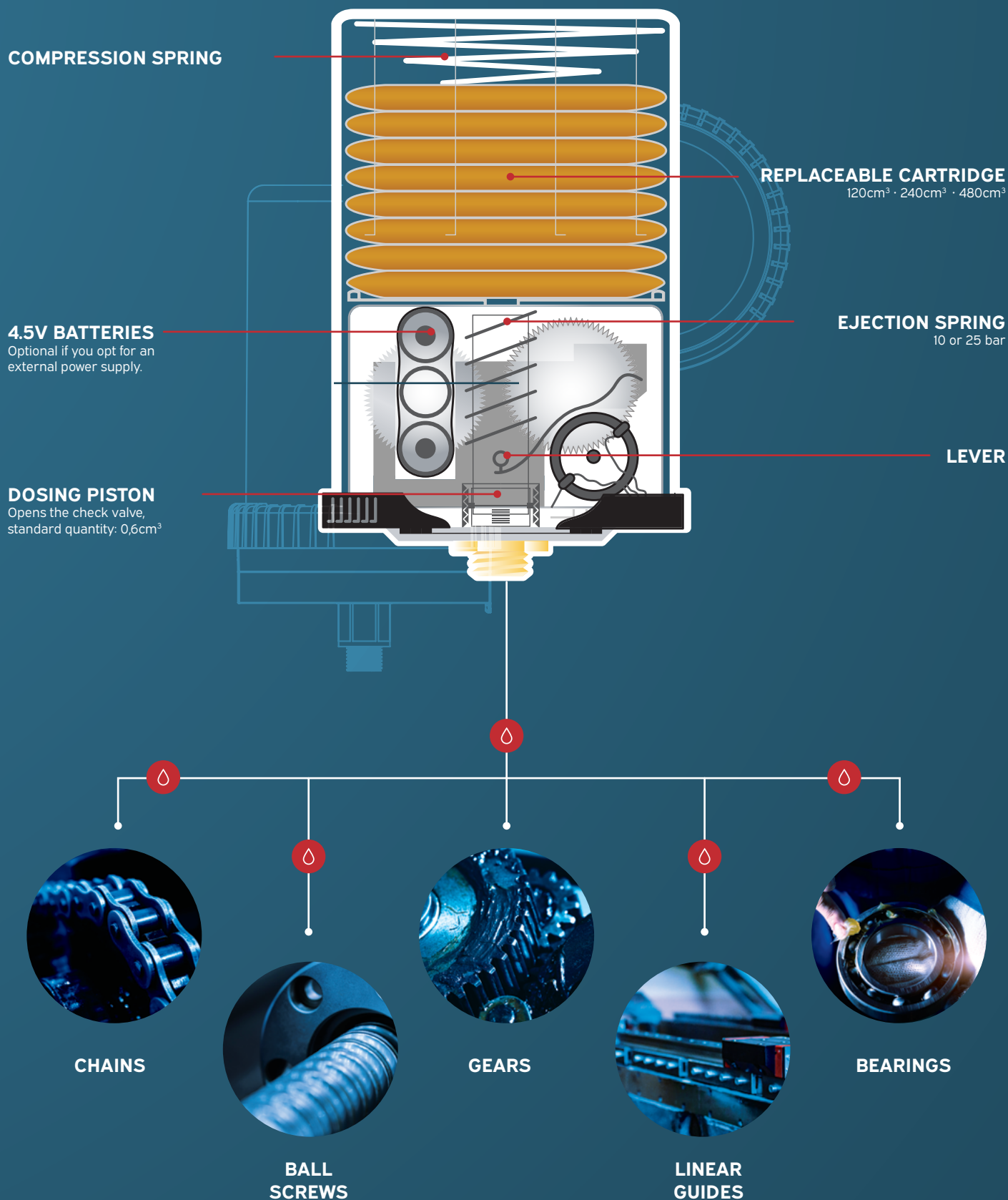
	NEW VISIO										NEW VISIO PRO									
MEMO SETTING	0 1 2 3 4 5 6 7 8 9										0 1 2 3 4 5 6 7 8 9									
AVERAGE DAILY OUTPUT ⁽¹⁾ (IN CM³)	-	0.3	0.6	0.9	1.2	1.8	2.4	3.6	7.2	14.4	PLC	0.3	0.6	0.9	1.2	1.8	2.4	3.6	7.2	14.4
DOSING FREQUENCY	-	48h	24h	16h	12h	8h	6h	4h	2h	1h	PLC	48h	24h	16h	12h	8h	6h	4h	2h	1h
CARTRIDGE REPLACEMENT INTERVAL																				
120CC CARTRIDGE (IN MONTHS)	-	12	6	4	3	2	1.5	1	1/2	1/4	-	12	6	4	3	2	1.5	1	1/2	1/4
240CC CARTRIDGE (IN MONTHS)	-	24	12	8	6	4	3	2	1	1/2	-	24	12	8	6	4	3	2	1	1/2
480CC CARTRIDGE (IN MONTHS)	-	48	24	16	12	8	6	4	2	1	-	48	24	16	12	8	6	4	2	1
MAXIMUM STROKE PRESSURE	25 bar / 350 psi										25 bar / 350 psi									
POWER SOURCE	3 x 1.5V DC Alkaline AA-LR6 batteries										External 12-24 V DC - Minimum 15W - 0.6A									
REMOTE INSTALLATION DISTANCE ⁽²⁾	Up to 8 meters										Up to 8 meters									
PROGRESSIVE DISTRIBUTOR BLOCK	Compatible - 2, 4, 6, 8, 10, 12 outlets										Compatible - 2, 4, 6, 8, 10, 12 outlets									
EXTERNAL TUBING	ø 8mm										ø 8mm									
LUBRICANTS	Oil & Grease, up to NGLI #2 with an oil base between 100 and 460 cSt ⁽³⁾										Oil & Grease, up to NGLI #2 with an oil base between 100 and 460 cSt ⁽³⁾									
TEMPERATURE EXPOSURE RANGE	-20°C to 60°C ⁽⁴⁾										-40°C to 60°C ⁽⁴⁾									
CONNECTIONS	1/4 BSP										1/4 BSP									
VISUAL ALARMS	OK WARNING ERROR										OK WARNING ERROR									
EXTRA FEATURES	-										Settings + Feedback via PLC									



⁽¹⁾ The average daily output is adjustable by using stroke washers whereby the amount of lubricant discharged per pumping cycle can be adjusted to your specific needs.
⁽²⁾ Tested with NGLI 2 grease at 20°C. ⁽³⁾ For any other viscosity level, please contact your representative. ⁽⁴⁾ Only applicable with lubricant adapted for low temperatures.

A POWERFUL AND EFFICIENT PUMP.

The Memolub pump is engineered to deliver powerful output pressure and is capable of pumping low- and high viscosity lubricants at extreme temperatures. Thanks to the patented electro-mechanical technology inside Memolub, the system is safe for the negative consequences of back-pressure.





SAFETY

High output pressure makes remote lubrication of difficult or dangerous lube points possible.



SAVINGS

Reduced lubricant consumption minimizes maintenance cost and total cost of ownership.



RELIABILITY

Patented technology delivers lubricant at the right place, in time and at right quantity.

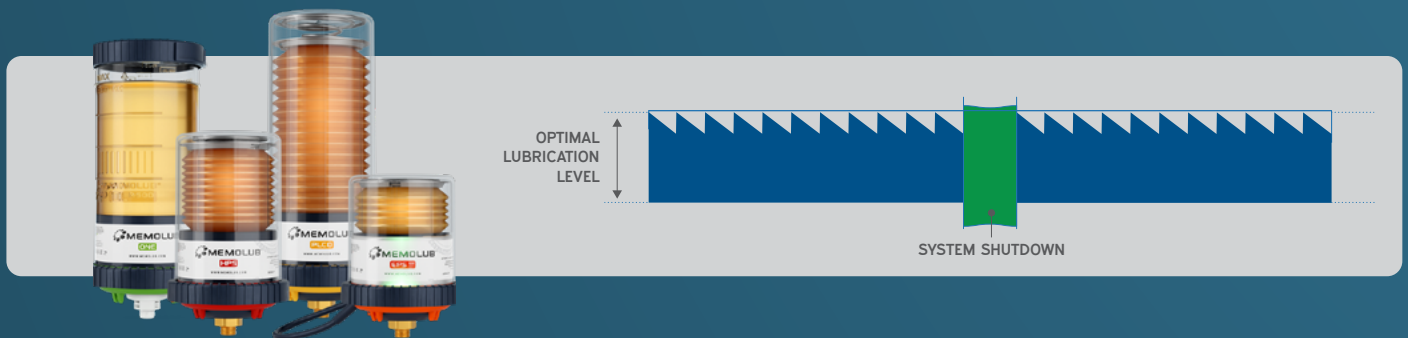


SUSTAINABILITY

A robust and reusable unit that minimizes lubricant waste due to precise metering.

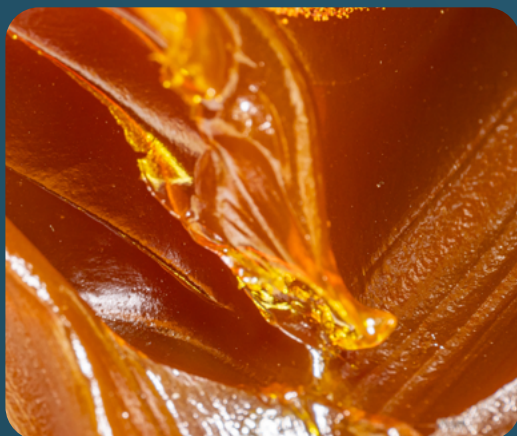
MEMOLUB'S PATENTED ADAPTIVE EJECTION TECHNOLOGY.

In all industries maintaining lubrication quality is just as important as protecting critical machine components. Excessive pressure in lubrication systems can lead to oil separation, reducing the lubricant's effectiveness and causing premature wear. Factors such as tubing diameter, lubricant viscosity, and ambient temperature influence back pressure, but the speed-to-pressure ratio during lubricant expulsion is the key determinant.



MEMOLUB's patented system uses a spring-driven piston to avoid excessive pressure buildup. The stored energy in the spring powers the piston, steadily pushing the lubricant through the system. This gradual, low-speed pressure ensures the lubricant reaches the end point of the application over the intended time — reliably and without force.

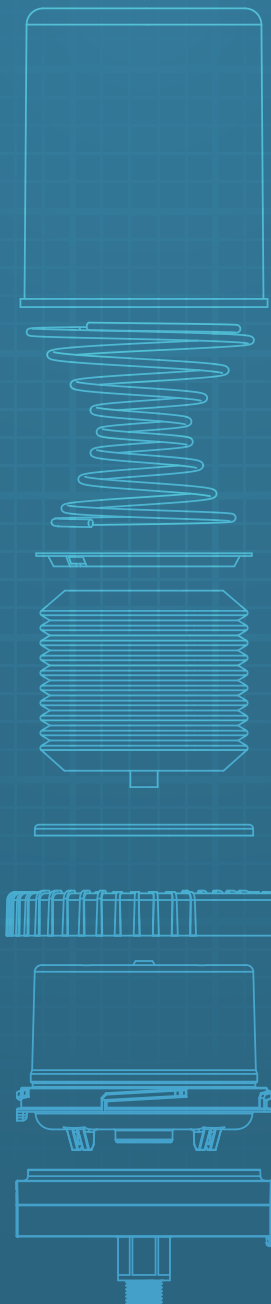
Unlike conventional systems where a gear motor directly drives the piston and causes pressure spikes when flow is restricted, this indirect drive system avoids motor strain. It ensures consistent delivery of heavy lubricants at low temperatures and adapts to varying line lengths or resistance.



THE MOST GREASE-FRIENDLY LUBRICATION SYSTEM. EVER.

Greases, a mix of oils and thickeners, act like oil-filled sponges. Under heat or pressure, they “bleed,” separating oil from soap and altering their properties. In most gas-driven and some electromechanical lubricators, grease remains under constant pressure, even at low levels. This causes oil separation, leading to soap build-up, clogs, and system issues.

Memolub's advanced systems avoid this by using a non-pressurized reservoir. Only small doses of grease are dispensed, minimizing separation and ensuring smooth, consistent lubrication.



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