



MEMOLUB® PLCD, 25 bar lubrication system designed for PLC-control.



The Memolub PLCD lubricator system is specific design for PLC control. The command for the lubrication moment will be given by the OEM PLC or control by a 24 VDC signal.

The Memolub PLCD can prove lubrication to 1 lubrication point by a flexible line till max 8 meters.

The Memolub PLCD is designed to handle 2 till 8 lubrication points with the special designed DN- Distributor (DB – range). All Lubrication punts will be lubricated at the same time.

The Memolub PLCD Lubricator is provided with a connecting cable of 1 meter, which can be connect to the 24VDC command PLC- Control system.

The external program of the PLC / control system commands the frequency of lubrication, for instance based on running hours, machine cycle, production badge of other criteria.



The Memolub Lubricator is available in 3 sizes: Standard (120 cc), Mega(240cc) and Giga(480 cc). The size indicated also the type of Cartridge. Which are filled in special way to limit the air and dirt in the cartridge.





| Technical details | |
|-----------------------------|-------------------------------------------------|
| Power | 24 V DC |
| Current | 0.5A max |
| Connections | Bleu: minus , Braun : plus, Safety for polarity |
| Max. Pressure | 25 bar / 350 psi |
| Electronic control | Quartz timer, microprocessor |
| On /Off function | By client Plc/ control system |
| Time of pulse | 4 tot 8 seconds |
| Time between pulses | 20 seconds |
| Amount of pulses in a cycle | 10 |
| Amount of grease pro pulse | 0.635cc |
| Kind of greases / oils | Oils and greases till NLGI class 2/3 |
| Temperature | -10 tot + 50°C* |
| Connection | ¼ Inch BSP |

*Depending of the used lubricant , by isolation of the equipment are other temperatures possible..

| Distribution blocks for greases | | |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|  | <p>Grease splitter for 3 lubricating points. Splitter for oil are also available. For instance chain applications</p> |  |
| | | <p>Distributor till 8 lubrication points. Also sets available for 4 and 6 lubrication points.</p> |

| Maximal Distance with multifunctional grease NLGI 2, lines Ø internal 6 and couplings M8 | | | | |
|------------------------------------------------------------------------------------------|-------------------------------------|-------------|----------------------------------------|-------------------------------|
| Viscosity | Direct mounted on lubrication point | On distance | With splitter for 2 lubrication points | With distributor set DB range |
| 1000 cSt | ok | 8 mtr | 4 mtr | 6 mtr |
| 3000 cSt | ok | 6 mtr | 3 mtr | 5 mtr |
| 5000 cSt | ok | 4 mtr | 2 mtr | 4 mtr |
| 9000 cSt | ok | 2 mtr | 1 mtr | 2 mtr |
| 15000 cSt | ok | 1 mtr | NA | 1 mtr |

| Maximal Distance with multifunctional grease NLGI 0 lines Ø internal 4 and couplings <M8 | | | | |
|------------------------------------------------------------------------------------------|-------------------------------------|-------------|----------------------------------------|-------------------------------|
| Viscosity | Direct mounted on lubrication point | On Distance | With splitter for 2 lubrication points | With distributor set DB range |
| 1000 cSt | ok | 4 mtr | 2 mtr | 3 mtr |
| 3000 cSt | ok | 3 mtr | 1,5 mtr | 2,5 mtr |
| 5000 cSt | ok | 2 mtr | 1 mtr | 2 mtr |
| 9000 cSt | ok | 1 mtr | 0,5 mtr | 1 mtr |
| 15000 cSt | ok | 0,5 mtr | NA | 0,5 mtr |