

Type MD400 Lubricators

The single & multi-point lubrication system Type MD400 is a reliable and easy to use electronic lubrication system. With its precise conveyor technology, this system is suitable for automatic lubrication of roller and sliding bearings, racks, open gears, chains, ball screws, spindle drives and much more.

The type MD400 lubrication system opens a new door in the world of automatic lubrication. With the extremely versatile MD400 lubrication system, both individual lubrication points and a whole group of different types of lubrication points can be continuously and safely supplied with lubricant over a long period of time.



Type MD400 - Flexible Lubrication

The lubrication system type MD400 is an extremely compact and powerful lubrication unit for oils and greases up to NLGI class 2. The lubrication system works either autonomously with a battery pack (3V) or via an external power supply (24V DC). Due to its compact dimensions, type MD400 is ideally suited for retrofitting in many applications.

The Advantages of Type MD400 Lubricators

- ✦ Precise, reliable delivery of lubricant
- ✦ Battery operation, voltage supply 24V or connection to machine control system
- ✦ Delivery pressure up to 70 bar (1015 psi)
- ✦ Dispensing period 1 - 36 months
- ✦ Synchronization with the machine operating time possible
- ✦ Operating temperature -15 °C to +70 °C
- ✦ Visual warning of malfunction (LED and display)
- ✦ Empty report
- ✦ Flow rate independent of temperature
- ✦ Visual inspection of the fill level possible at any time
- ✦ Connection of hose line possible *
- ✦ Delivery of oils and greases up to NLGI-2
- ✦ Special grease fillings possible
- ✦ Adaptable to splitter / distributor

* Hose length depends on lubricant and application

Technical Data

Lubricator Model	MD400-B		MD400-V		MD400-D			
Number of Outlets	1	2	1	2	1	2	3	4
Lubricator Order Code	65 70 061	65 70 062	65 70 071	65 70 072	65 70 081	65 70 082	-	-
Lubricator Order Code With Two Pumps	-		-		-	65 70 085	65 70 083	65 70 084
	Lubricant Cartridge Order Code							
Lubricant Type 1 250 ml	65 70 063							
Lubricant Typ 1 400 ml	65 70 064							
Without Lubricant 250 ml	65 70 067							
Without Lubricant 400 ml	65 70 068							
Drive Type	Electro-Mechanical (Reusable)							
Operating Pressure	Maximum 70 bar (1015 psi)							
Settings	1 - 36 Month		1 - 36 Month (Intermittent Operation Possible)		Individually Adjustable			
Time Or Pulse Control	Time Mode		Time Mode		Pulse Control			
Lubrication Volume	400 ml							
Lubricating Medium	Oils & Greases Up To NLGI 2							
Temperature Range	-15 °C to +70°C							
Operational Voltage	6.0 V (Li-Battery) *		24 V DC		24 V DC			
Display On The Device	Yes		Yes		No			
Weight Empty	1120 g							
Dimensions L x B x H	112 x 94 x 196 mm							
Outlet	1 - 4 x Ø6 mm							
Performance Monitoring	Display with LED				-			
Operation & Control	Directly On Device				External Control / PLC			

* Batteries are not included

Components



Model Variants

Type MD400-B Lubricators

Single / Multipoint-System With Battery Power

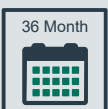


The battery-operated variant of the MD400 lubrication system is always used when a self-sufficient operation is desired or necessary. The highly efficient battery pack can optionally be sent to empty the lubricant cartridge over a period of 1-36 month.

- ⊗ 1 or 2 outlets, 70 bar (1015 psi) supply pressure
- ⊗ OLED-Display
- ⊗ Quick-Check (Back-Pressure Readings)
- ⊗ Readout of information via display possible

Type MD400-V Lubricators

Single / Multipoint-System With Power Supply



The 24V variant of the MD400 lubrication system is always the right choice when a power supply can be simply attached. The MD400 V strengths become particularly apparent during intermittent operations.

- ⊗ 1 or 2 Outlets, 70 bar (1015 psi) Supply Pressure
- ⊗ OLED-Display
- ⊗ Quick-Check (Back-Pressure Readings)
- ⊗ Readout of information via display possible

Type MD400-D Lubricators

Single / Multipoint-System for PLC



MD400 D is designed for external control and 24 VDC voltage supply. Depending on the model, the MD400 lubrication system type D has 1, 2, 3 or 4 outlets. Connection to the PLC is required.

- ⊗ 1, 2, 3 or 4 Outlets, 70 Bar (1015 psi) Supply Pressure
- ⊗ Flexible, individual control by PLC
- ⊗ Exact control and lubricant dosage
- ⊗ Feedback to the connected unit