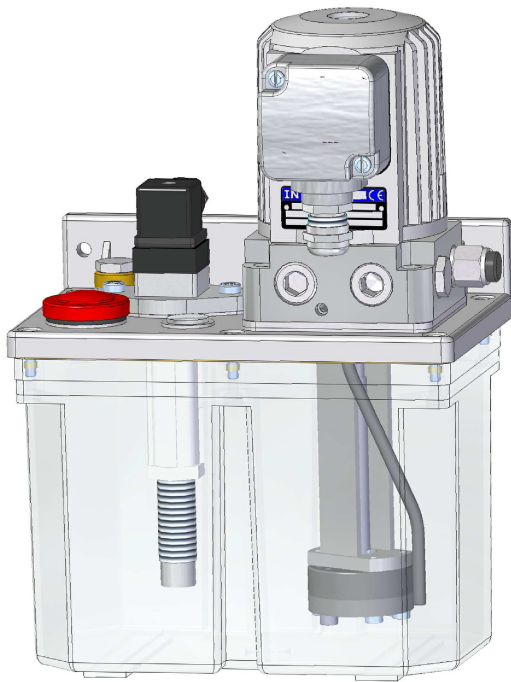


**GE51**

**FLUID GREASE Lubrication Group  
 NLGI 00-000**

Single line systems

142.050.000



**Application**

As an intermittent operation unit to feed volumetric dosing meters in single-line systems. The basic execution includes a motor/gear pump unit, as well as the necessary valves to control the pressure and decompression cycles in the circuit.

**Operation**

The working control of these units is external (without control): programming by means of the machine automatism or external control (cnc, automatic device, etc...) It can be equipped with a electrical level for oil level control in the tank

**Technical characteristics**

**Gear pump**

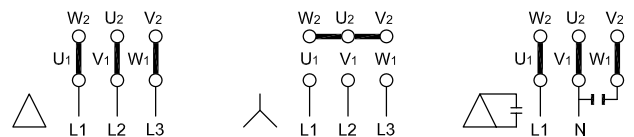
Lubricant .....Fluid grease NLGI 00-000  
 Flow .....0,2 l/min  
 Working pressure .....40 bar  
 Working temperature..... +15°C ÷ +40°C

**Electric motor**

Voltage.....	230/400V	24VDC
Frequency .....	50/60Hz	
Power.....	100W (50Hz)	55W
Consumption.....	0,5A (50Hz)	2,5A
rpm.....	2800 (50Hz)	2800

Service mode.....S3 20%\*  
 Maximum operation time..... 5 min  
 Maximum cycles/hour.....20

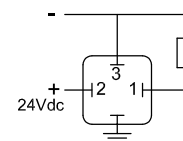
20% is the ratio between the operation time and the stop time (1 minute of operation time corresponds to 5 minutes stop time)



**CAUTION!!!**  
 THE FOLLOWING SAFETY MEASURES MUST BE TAKEN: DISCONNECT THE MAIN SWITCH BEFORE CARRYING OUT CONNECTION COUPLING

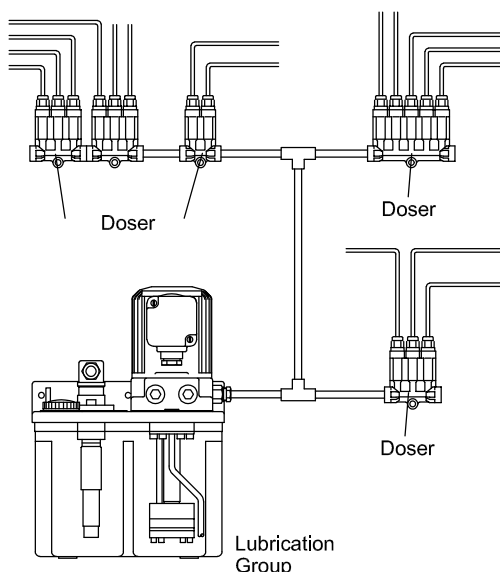
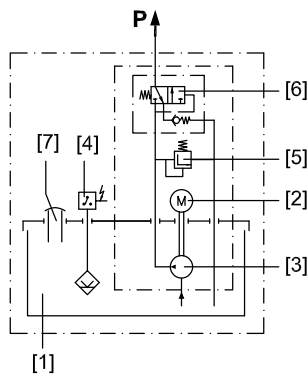
**Electric level switch**

Type of contact .....Capacitive sensor  
 Voltage.....10 ÷ 30 Vdc  
 Connection.....Max. 220 mA  
 Connector.....DIN EN 175301-803  
 Function .....opens with low lubricant level (PNP)



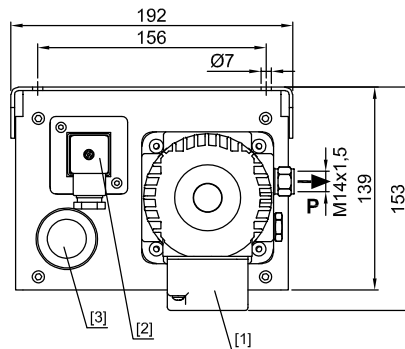
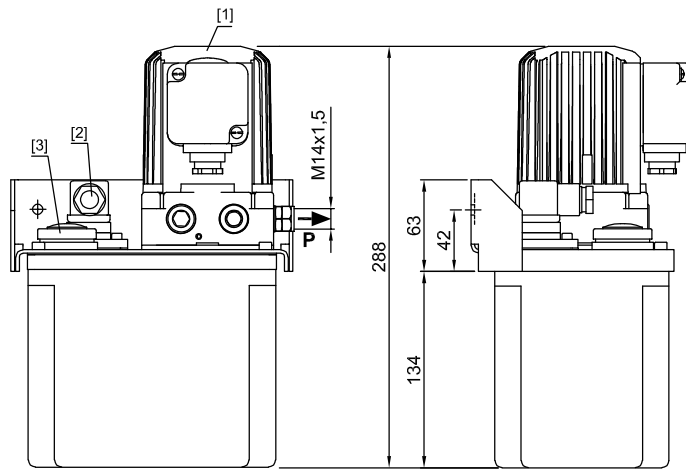
**Hydraulic diagram**

- 1-Tank
- 2-Electric motor
- 3-Gear pump
- 4-Level switch
- 5-Pressure limiting valve
- 6-Relief valve
- 7-Filling cap
- P-Pressure outlet



Lubrication group for FLUID GREASE NLGI 00-000  
 Single line system

**GE51/A**  
 2L plastic



- [1] Electric motor
- [2] Level switch
- [3] Filling cap

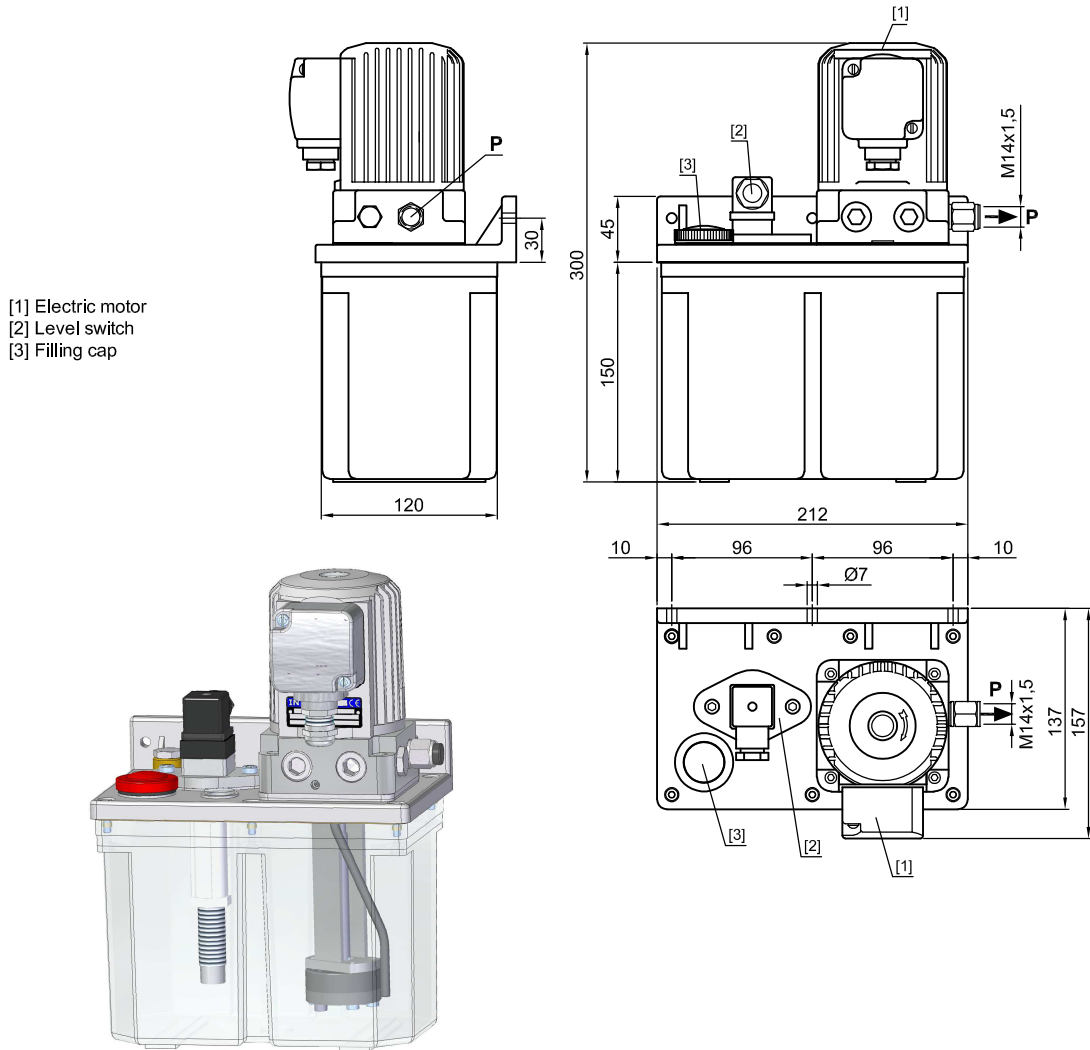


GE51 / (X) - 1 - (X) (X) (X)

Tank capacity	Flow l/min	Monitoring system		Voltage
(A) 2 litres	(1) 0,1	(0) Without level	(5) Minimum level	(0) 24Vdc
				(3) 230/400V 50/60Hz

Lubrication group for FLUID GREASE NLGI 00-000  
 Single line system

**GE51/B**  
 3L plastic  
 142.270.000



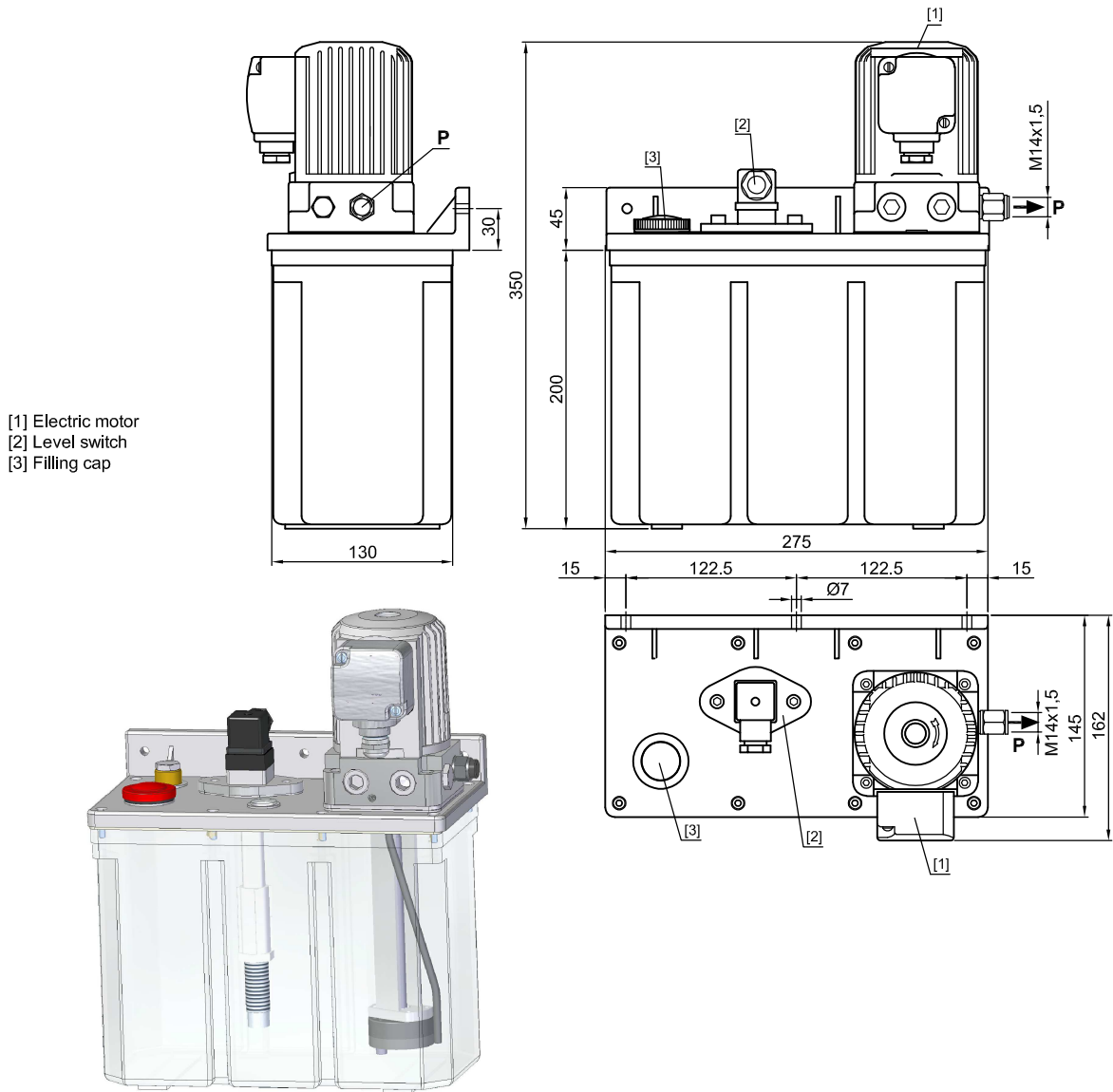
- [1] Electric motor
- [2] Level switch
- [3] Filling cap

GE51 / (X) - 1 - (X) (X) (X)

Tank capacity	Flow l/min	Monitoring system		Voltage
(B) 3 litres	(2) 0,2	(0) Without level		(0) 24Vdc
		(5) Minimum level		(3) 230/400V 50/60Hz

Lubrication group for FLUID GREASE NLGI 00-000  
 Single line system

**GE51/C**  
 6L plastic  
 142.275.000



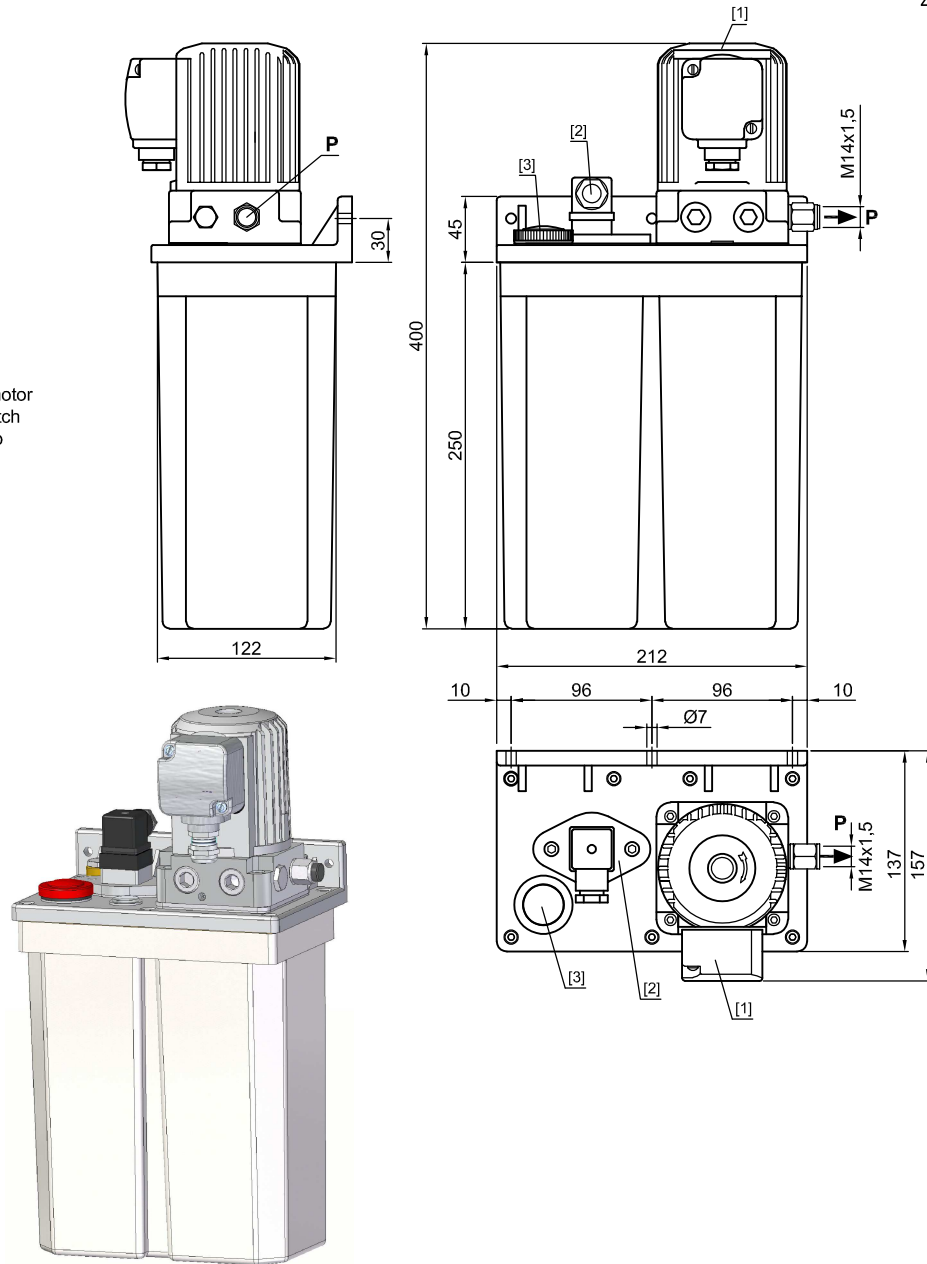
**GE51 / (X) - 1 - (X) (X) (X)**

Tank capacity	Flow l/min	Monitoring system		Voltage
(C) 6 litres	(2) 0,2	(0) Without level	(5) Minimum level	(0) 24Vdc
				(3) 230/400V 50/60Hz

Lubrication group for FLUID GREASE NLGI 00-000  
 Single line system

**GE51/H**  
 4,5L plastic  
 142.280.000

- [1] Electric motor
- [2] Level switch
- [3] Filling cap



**GE51 / (X) - 1 - (X) (X) (X)**

Tank capacity	Flow l/min	Monitoring system		Voltage
(H) 4,5 litres	(2) 0,2	(0) Without level	(5) Minimum level	(0) 24Vdc
				(3) 230/400V 50/60Hz