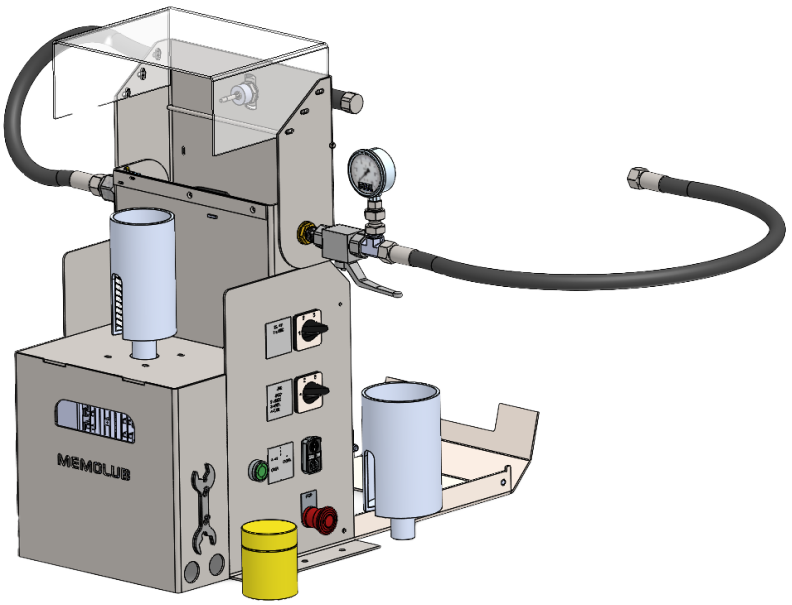


MEMOLUB VERTICAL FILLING MACHINE
TECHNICAL DATA SHEET

MEMOLUB.COM

INTRODUCTION

The Memolub vertical filling machine (VFM) allows the filling of cylindrical cartridges with various lubricants. Compared to other existing systems, it has the following features:

- Semi-automatized: 1 pushbutton to run/stop a spinning and/or filling cycle.
- Versatile: can fill and/or spin oil or grease up to NLGI2 in memolub bellow-type cartridges (120cc, 240cc, 480cc), CNC-LUB bellow-type cartridges (700cc) and quickluber (30cc, 60cc, 120cc)
- Customizable: 4 different recipes with each 4 contents , having their individual spin and fill values
- Compact: Footprint of 36 x 41cm; very stable design due to motor ballasting
- Increased safety: cover with shield and lock, self-braking rotor.

SPECIFICATIONS

MECHANICAL SPECIFICATIONS

	VFM Mechanical specification
Minimal dimensions (closed - for transport)	H580xW410xD360mm
Maximal dimensions (opened & with pipes connections)	H720xW900xD360mm
Weight	45kg

CONNECTIONS SPECIFICATIONS

	VFM connections specifications
Supply Voltage	230VAC
Current	8.5A
Frequency	50-60Hz
Input air pressure	2-10 bars
Input grease pressure	40 bars*

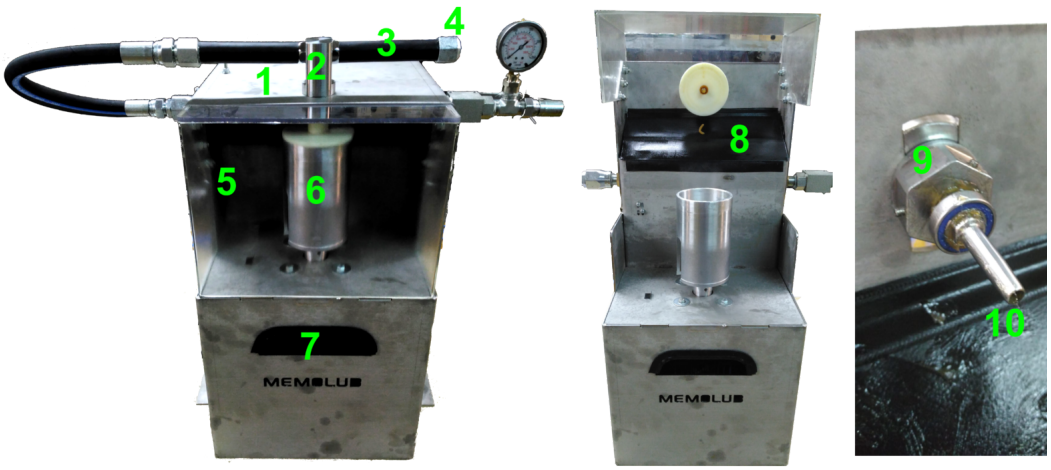
* The valve can close inlet grease pressures up to 40 bars. Above 40 bars the precision will decrease since the valve cannot close anymore once the setpoint is reached, but no damage will happen. The supplied manometer on the right side of the VFM allows to watch the incoming grease pressure.

OVERVIEW

FRONT VIEW

This section concerns VFM V1.0

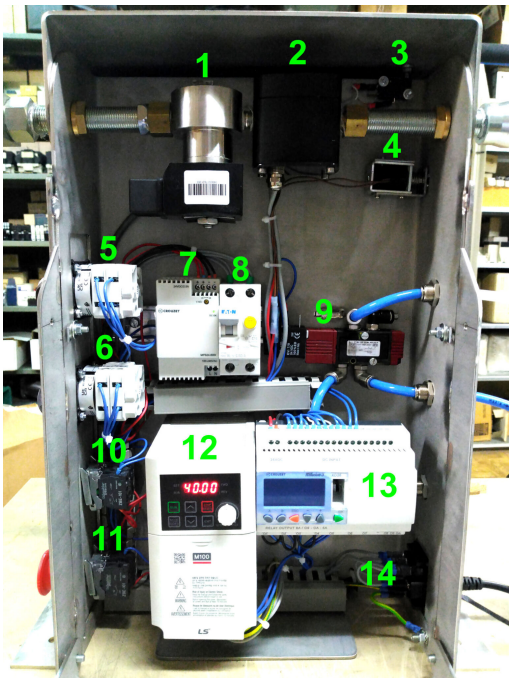
The main interface of the front side is the lid. Once unlocked (either automatically - after operation is complete - or manually - see left side view) the VFM lid can be opened by pulling on the handlebar. This allows the operator to access the machine rotor (cartridge replacement) or the filling head (nozzle position adjustment). When closing back the lid, the lock automatically engages.

COMPONENT	ILLUSTRATION
1.LID	
2.HEAD	
3.LID HANDLEBAR	
4.PURGE PLUG	
5.WINDOW	
6.ROTOR	
7.MACHINE HANDGRIP	
8.BIB	
9.NOZZLE HOLDER	
10.FILLING NOZZLE	

REAR VIEW

This section concerns VFM V1.0

The back side contains all the control equipments. You can access these by pulling the rear cover through the handgrip. To close it again, simply push it back in place.

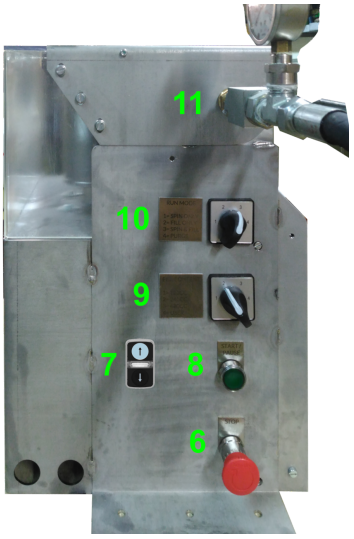
COMPONENT	ILLUSTRATION
1.GREASE VALVE	
2.GREASE METER	
3.LID SWITCH	
4.LID LOCK	
5.MODE ROTARY SWITCH SOCKET	
6.CONTENT ROTARY SWITCH SOCKET	
7.AC/DC CONVERTER	
8.CIRCUIT BREAKER	
9.AIR ELECTROVALVE	
10.GREENLIGHT PUSHBUTTON SOCKET	
11.EMERGENCY PUSHBUTTON SOCKET	
12.MOTOR CONTROLLER	
13.VFM CONTROLLER	
14.MAINS POWER SOCKET	

LEFT & RIGHT VIEW

This section concerns VFM V1.0

The left side of the VFM contains all the interfaces with external utilities: power supply, compressed air inlet and outlet. The air inlet is equipped with a pressure regulator. The selector switch allows to select which recipe is active. The related parameters are then called from the controller memory.

The right side bears the operational interface: selection of the run mode, the fill contect, then start/stop/pause button, dose correction, emergency pushbutton.

COMPONENTS	ILLUSTRATION
1. POWER SOCKET & SWITCH	 
2. AIR INLET	
3. AIR OUTLET	
4. RECIPE SELECTOR	
5. GREASE LINE OUTLET	
6. EMERGENCY PUSHBUTTON	
7. +/- DOSE PUSHBUTTON	
8. GREEN PUSHBUTTON	
9. CONTENT SELECTOR SWITCH	
10. RUN MODE SELECTOR SWITCH	
11. GREASE LINE INLET	