

Product description
Pump TMD 5
Electrical

DESCRIPTION

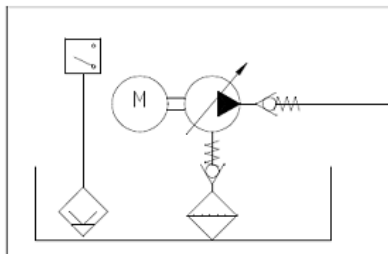
The wide field of application of TMD 5 pump is particularly ideal for machines having up to around 50 lubrication points (see technical informations). The TMD 5 is interchangeable with the L 18P convenient for customers wishing to change from an automatic to a manual system or vice versa.

FUNCTIONNING

The TMD 5 is an automatic motor driven piston with a spring discharge. The motor reducer assembly determines the discharge cycle time (see table next page) of the piston wich distributes oil through the system. TMD 5 is equipped with an electrical low level switch.



Principal scheme



CHARCTERISTICS

- Motor : synchronised single phase 50 / 60 Hz-3 W
115V : connect wires to terminal outlets 5 and 6
220V : connect wires to terminal outlets 4 and 6
- Discharge : 1 to 5 cm³/cycle
- Adjustment : pumps are delivered preset at 5 cm³
 To reduce the discharge, lift the stop ring and turn the knob until the required discharged engraved on the stem of the adjustment screw is apparent.
- Pressure : 2 to 4 bars.
 Pressure varies depending on the number of meter units in the system.
- Reservoir capacity : 1.8 L
- Electrical low level switch : 220 V max.
- Power rating : 0.15 A
 Pumps are delivered with contact closed in the up position connect wire to terminal 2 and 3
- Filter : mounted on oil intake, filtering to 40 µm
- Systems limits : see chapter « technical information ».
 The number of points wich can be lubricated depends on the discharge per cycle of the pump.



TO ORDER

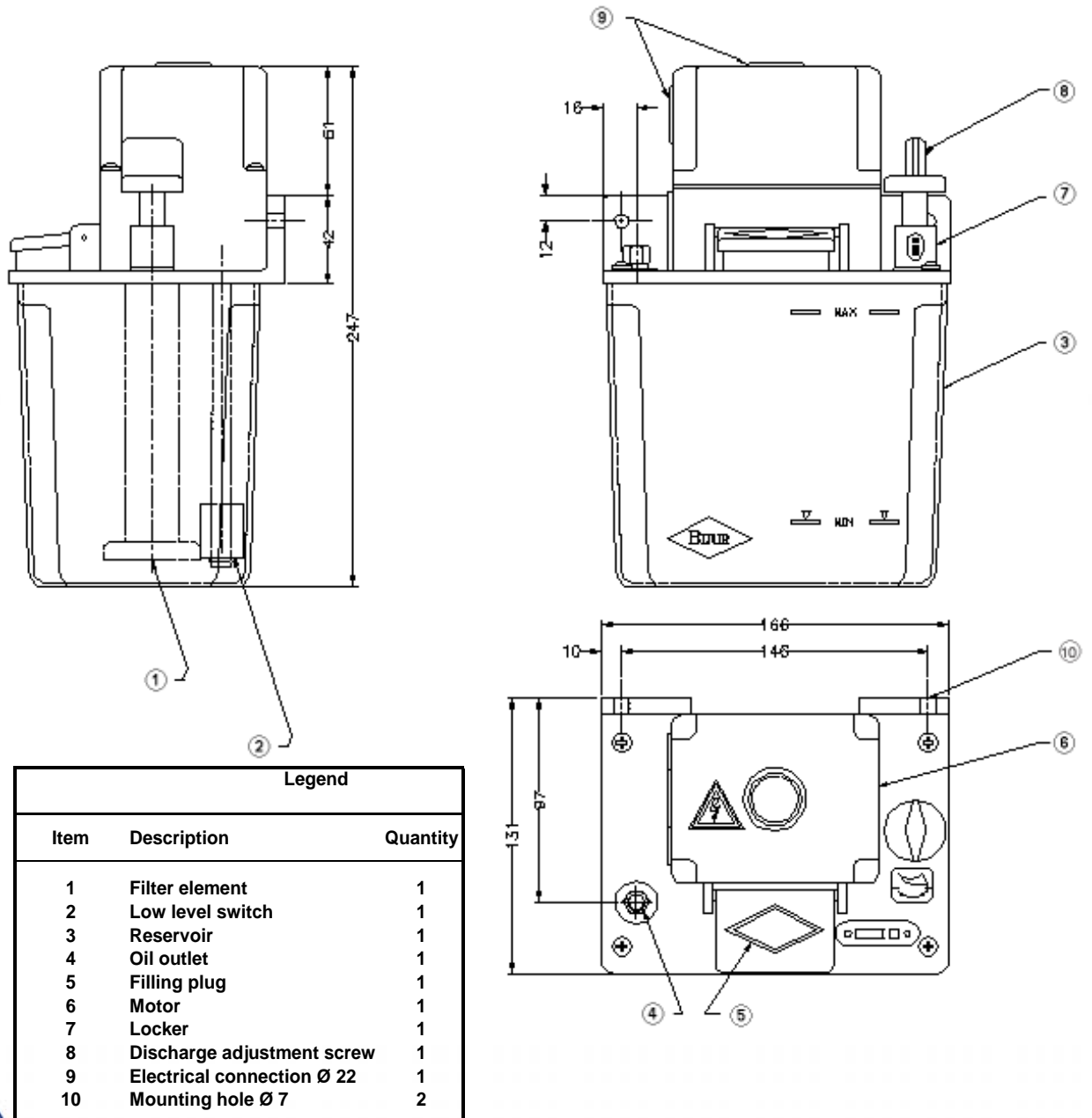
To define the exact pump characteristic, use the table below:

Voltage V	Time cycle (mn)	Motor RPM	Reference	
			Pump	Replacement motor
115/220	120	1/4	263506	242785
	60	1/2	263505	242784
	30	1	263504	242782
	15	2	263503	242786
	10	3	263502	242781
	6	5	263501	242783

Example:

Pump TMD-5, cycle 30 mn, Reference **263504**

PUMP TMD 5



SERVICE INSTRUCTION TDM 5

System:

Your machine is equipped with a Bijur centralised lubricating system which, if properly maintained, will correctly lubricate all the points in the system.

Oil:

Use only clean mineral oil of a quality and viscosity as recommended by the machine builder. The oil characteristics must allow filtering filtration down to 25 microns without it separating.

Start up:

Fill the reservoir after having primed the pump, check if the system has been pressurised. If it has not, check direction of rotation of the motor.

Service:

Check oil level daily. Check periodically the tubing to ensure none are broken or crushed and that they are in good condition. Make sure all fittings are correctly tightened. Any excess grease around the machine should be investigated immediately.

Lack of oil at the lubrication points:

Verify the oil level in the reservoir the distribution circuit (e.g look for broken, crushed, or detached tubing or a leak at one of the fittings). Check also the condition of the filter. To reduce or increase the amount of oil being delivered to any given point, change the value of the meter unit at that point.

Filter:

A filter is incorporated in the pump to protect the system. It must be checked periodically and replaced once a year.

Motor replacement:

Lift off motor cover. The motor is held in position by two screws which allows motor to be replaced without dismantling the pump.

Spare parts:

Kit maintenance pump TMD 5

Example: reference **AO320** (see table)

For all major repair, it is recommended that the pump be returned to Bijur.

MAINTENANCE KIT PUMP TDM 5

Reference	Description	Quantité
A0320	Filter element	1
	Reservoir + seal	1
	Reservoir + screw	4



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