



Dosierpumpe AG

TA 308 13 005 (04.08) GB

1. Application:

For lubrication to supply 1 to 4 lubrication points on a complete unit defined with lubricant.

Lubricant: LA 8

- Compact, complete lubricating unit
- With electronic stroke control

2. Construction:

A pump with 1 to 4 outlets, lubricant container and stroke control forms one unit.

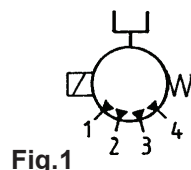
Caution: Outlets must not be closed as the pump will jam.

3. Operating Method:

At each initiation of the electric magnet (p.e. 4 - 8s) the pumps are moved once via an external control. A steady definite outlet volume is discharged on the outlets 1 to 4. If the power to the magnet is removed (p.e. min. 8 - 14s), the pump pistons are being returned to their starting position by springs and draw lubricant.

Attached hereto:

1. Operating instructions BAL 300 13 005
2. 300 13 073 / 074
300 13 122 / 123



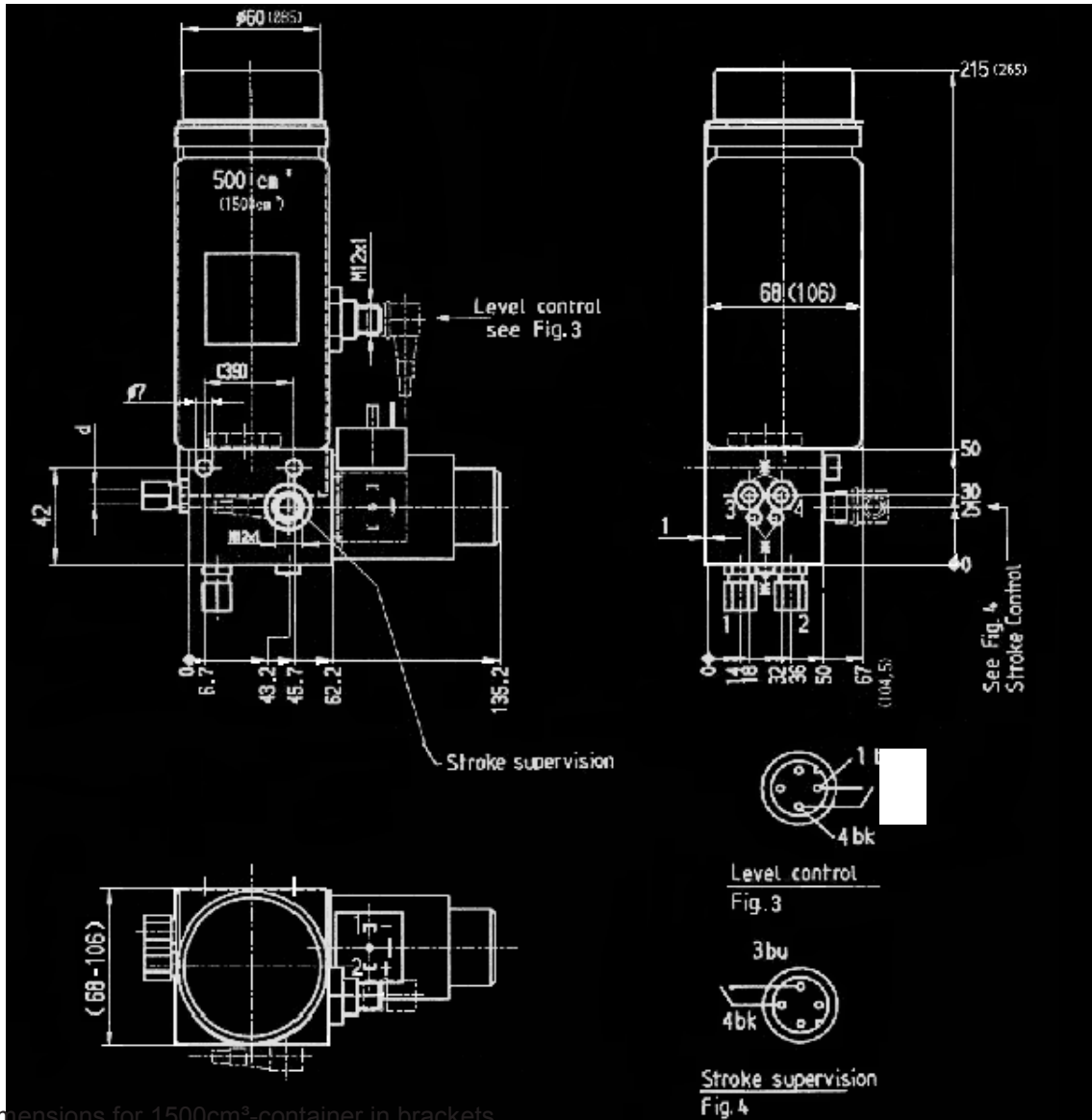
When using a sticky lubricant with higher viscosity and an ambient temperature below 20°C the magnet has to be energized for a longer time. Also a longer interval has to be chosen. Should the occasion arise please ask the manufacturer.

Movement of pump pistons can be controlled by LED of the stroke monitoring and a terminal.

If a short line with jet is fitted to outlet 3 and or 4 oils with lower viscosity can be sprayed to the lubrication point (i.e. chain). The lubricant volume is determined by the cycle time of the lubrication impulses and the lubricant consumption of the respective machine.

4. Characteristics:

Type	Metering Pump
Mass	1,4 kg
Mounting position	Container axle vertical
Operating Temperature	0 to 60°C
Connections	Outlet 1 to 4
Delivery volume	Per outlet 25 mm ³ /Stroke
Lubricant	LA 8 (full when delivered)
Operating viscosity	LA 8: 30 000 mm ² /s
Pump Magnet	See Ordering Chart (DC, AC) elbow push-in connector DIN 43650A, ISO4400, 2polar (1,2)
Voltage	See Ordering Chart +15% - 10% under current
Protection DIN 40050	IP 65
Stroke supervision	Connection, see Fig. 4, 24 VDC (15....30 VDC) max. 100 mA. round-plug-connector M12x1, 2polar (3,4). when inductive load, quenched spark,
Level Control	Full contact closed, see Fig. 3, max. 48 V/1A, 20 VA round-plug-connector M12x1, 2polar (1, 4)



Dimensions for 1500cm³-container in brackets

5. Ordering Chart for pump:

Voltage of Magnet customer has to provide quenching gap	Outlets		Container (cm ³)	Stroke Supervisory	Level Control	Ordering No.
	25mm ³ in outlet Nr.	Pipe Ø				
24VDC/1,2A/100%ED	1,2,3,4	6	500	x	x	300 13 044
24VDC/1,2A/100%ED	3,4	6	500	x	x	300 13 042
	3,4	6	500	x	x	300 13 073*
24VDC/1,2A/100%ED	2,3,4	6	500	x	x	300 13 043
	2,3,4	6	1500	x	x	300 13 074*
24VDC/1,2A/100%ED	1,2,3,4	6	1500	x	x	300 13 048
Double Metering Pumps						
24VDC/1,1A/100%ED	2,3,4 – 2,3,4	6	2 x 500	2x	2x	300 13 122*
24VDC/1,2A/100%ED	3,4 – 2,3,4	6	2 x 500	2x	2x	300 13 123*

*variants have additional connecting elements. See attached drawings with the same numbers.

6. Accessories:

Cable box M12x1, radial, with 5m cable, Order No. 672 02 034