

# LMAG INSTALLATION INSTRUCTIONS

## AIR/FLUID LINES

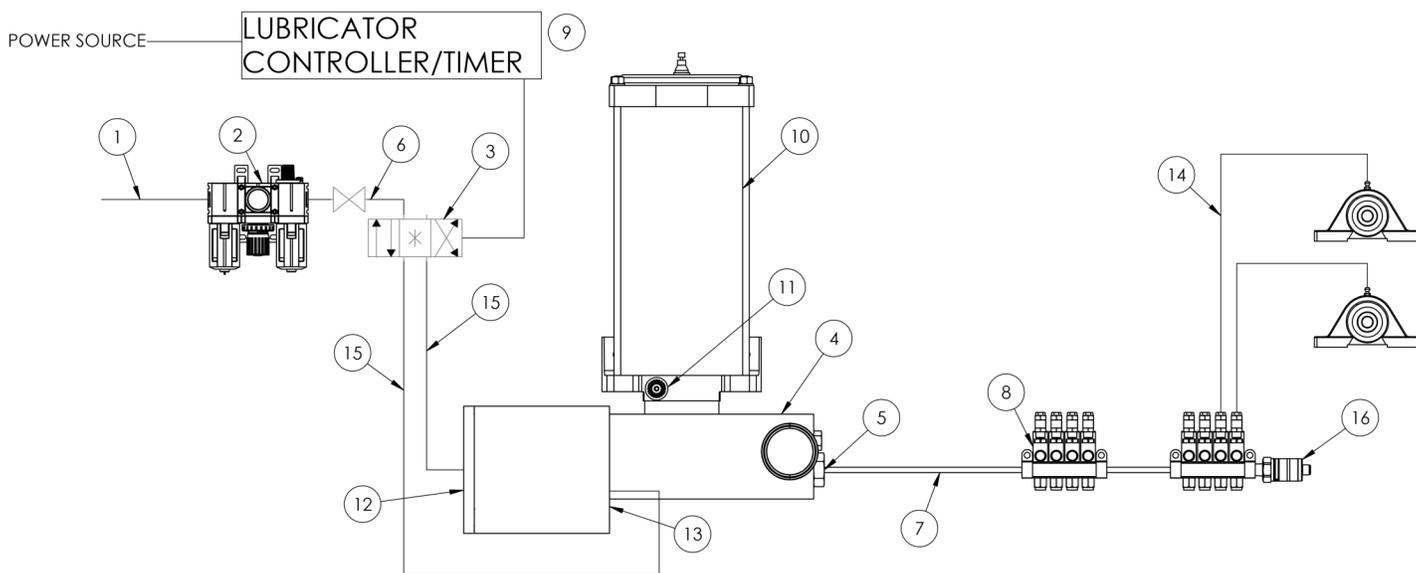
1. INSTALL THE AIRLINE ACCESSORIES IN ORDER AS SHOWN ON LMAG-TYP-INSTALL.
2. AN AIR BLEED VALVE (6) IS USEFUL TO BLEED TRAPPED AIR BETWEEN PUMP AND AIR INLET.
3. AN AIR LINE FILTER IS CRITICAL AND NECESSARY TO REMOVE DAMAGING CONTAMINATION AND MOISTURE FROM COMPRESSED AIR.
4. REGULATOR IS NECESSARY TO REGULATE CORRECT AIR PRESSURE TO SYSTEM: PRESSURE RATIO 25:1 (MAX 140 PSI).

## FILL RESERVOIR

1. LOCATE PUMP RESERVOIR FILL PORT/STUD (11).
2. CONNECT QUICK CONNECT FITTING FROM FILL PUMP TO THE FILL PORT.
3. SLOWLY FILL RESERVOIR ALLOWING THE FOLLOWER PLATE TO LIFE ABOVE THE RESERVOIR VENT HOLE EXPELLING ENTRAPPED AIR.

## PRIMING

1. PRIME PUMP BEFORE CONNECTING PUMP TO SUPPLY LINE AND SYSTEM.
2. FOR PROPER PRIMING OF PUMP MAKE SURE RESERVOIR IS COMPLETELY FILLED. FAILING TO COMPLETELY FILL RESERVOIR CAN RESULT IN TRAPPED AIR IN THE PUMP AND SYSTEM.
3. RUN PUMP UNTIL GREASE COMES OUT OF OUTLET AND IS FREE OF AIR BUBBLES.
4. IT MAY TAKE 15 OR MORE PUMP STROKES TO SUCCESSFULLY PRIME PUMP DEPENDING ON VISCOSITY OF LUBRICANT AND TEMPERATURE.
5. ON/OFF TIME FOR FORWARD AND RETURN STROKE SHOULD BE 5 SECONDS.
6. FILL ALL LINES WITH LUBRICANT BEFORE CONNECTING TO ANY BEARING POINTS AND OUTLETS.



1. MAIN AIR SUPPLY	7. HIGH PRESSURE LUBRICATION SUPPLY LINES	13. PUMP AIR INLET—RETURN STROKE
2. FILTER/REGULATOR/LUBRICATOR ASSEMBLY	8. INJECTOR	14. BEARING FEED LINES
3. AIR SOLENOID (4-WAY)	9. LUBRICATOR CONTROLLER	15. AIR SUPPLY LINES
4. PUMP	10. PUMP RESERVOIR	16. PRESSURE SWITCH
5. PUMP OUTLET	11. PUMP RESERVOIR FILL PORT	
6. AIR BLEED VALVE	12. PUMP AIR INLET—FORWARD STROKE	

### LUBRICANT OUTPUT AND PRESSURE

1	2	3	4		5		6	
INJECTOR TYPE	MAX INJECTOR OUTPUT CU. IN.	MAX PUMP LUBRICANT OUTPUT/STROKE CU. IN.	MINIMUM PRESSURE		MAXIMUM PRESSURE		RECOMMENDED PRESSURE	
			OUTPUT PSI	REQUIRED AIR PSI	OUTPUT PSI	REQUIRED AIR PSI	OUTPUT PSI	REQUIRED AIR PSI
LSL-1	0.080	2.5	1850	74	3500	140	2500	100
LSL-32	0.012		1200	48			1500	60

### TECHNICAL DATA

SINGLE STROKE GREASE PUMP		
	US	METRIC
MAXIMUM FLUID WORKING PRESSURE	3500 PSI	241 BAR
PRESSURE RATIO	25:1	
PUMP OUTPUT	2.5 CU. IN./STROKE	
RESERVOIR CAPACITY	6LBS, 12LBS, 20LBS	
MAX AIR INLET PRESSURE	140 PSI	9.6 BAR
AIR INLET SIZE	1/4 IN. NPT(F) - 1/4 NPSF	
FLUID OUTLET SIZE	3/4 IN. NPT(F) - 1/4 NPSF - 3/8 NPSF	