



OPERATION & INSTALLATION

Model 87243 Pump is designed to provide lubrication cycles controlled by actual machine operation, not timed lubrication. All piping is connected to the base plate, allowing the pump body to be removed without disturbing the existing piping. Lubricant flow can be shut off using inlet valve in base plate, permitting removal of pump. Turn 16141 Inlet Shut-off Valve clockwise to close, counter-clockwise to open. Valve is fully open when it contacts 69819 Retainer.

A bleed screw is provided in the base plate to purge the pump during installation or when reservoir was allowed to run dry.

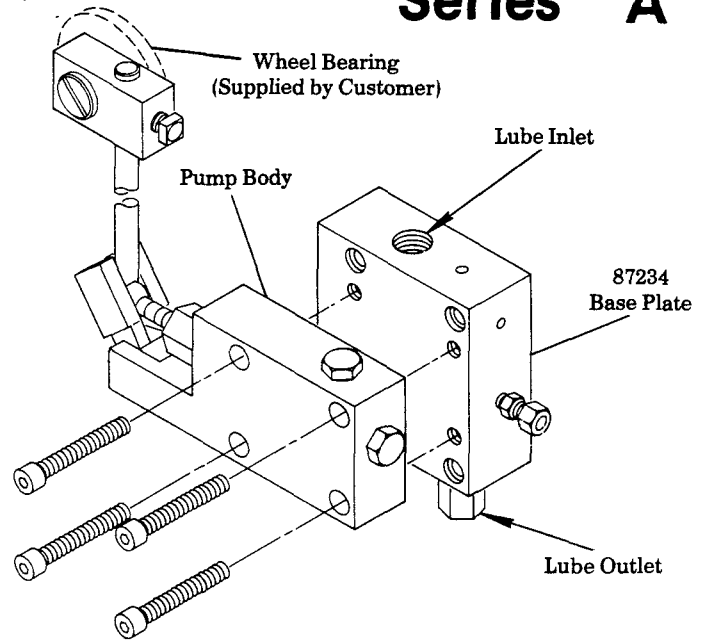
The APES Pump can be used equally well with grease or oil, standard or synthetic base to supply Modular Lube Systems.

Pump can operate at a maximum of 50 strokes per minute with oil, 25 strokes per minute with grease.

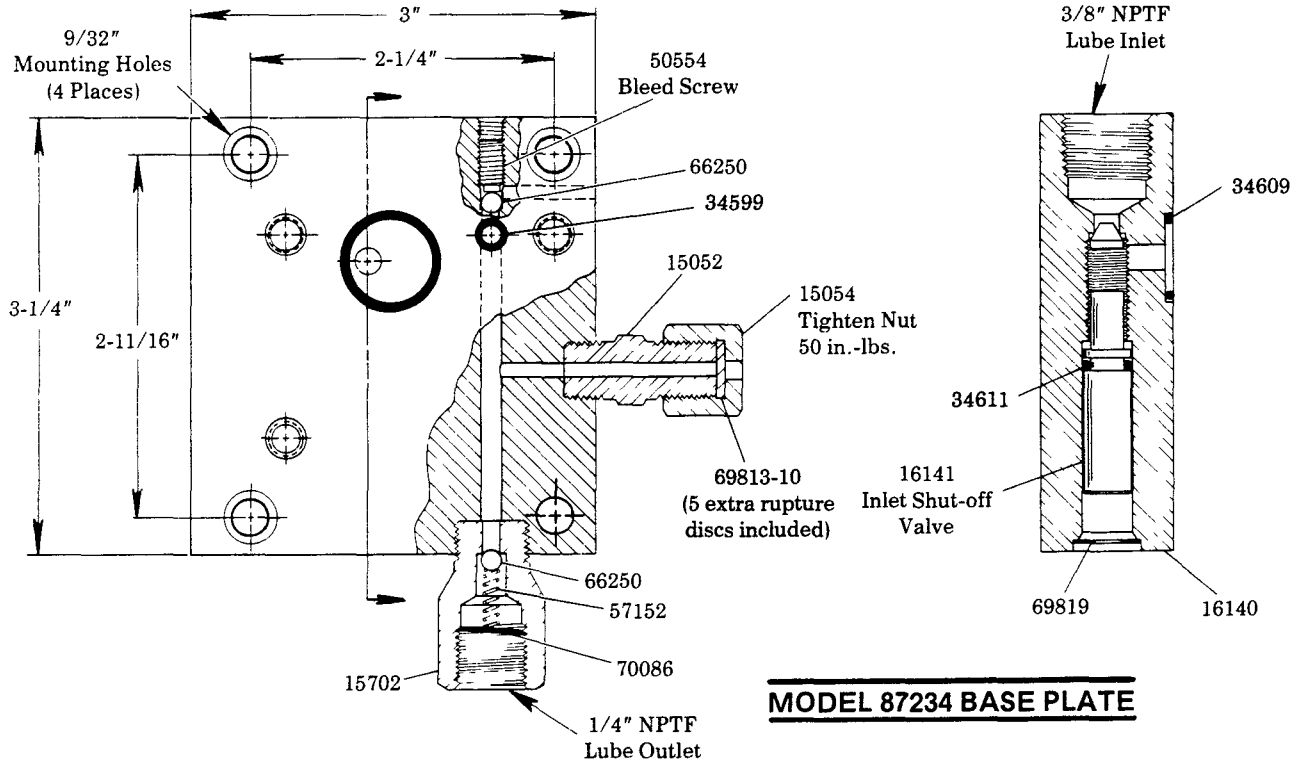
Lubricant output is adjustable from .005 to .015 cu. in. per stroke.

The pump operates by an eccentric and a wheel bearing (located on rod), moving the piston forward into the pump body. The piston forces lubricant from the pump body to the base plate and through the lube outlet. As the rod returns from eccentric motion, the piston returns to its original position and lubricant is drawn from the lube inlet through the base plate and into the pump body.

Recommended location, dimensioning, and travel of the eccentric to provide a full stroke of the pump is illustrated on back page. Adjustments to the pump stroke can be made by changing the position of the clamp assembly on the rod. A 4" height on the rod and 6 lbs. force will generate 1000 PSI lube pressure. A rupture indicator, with 1450 PSI relief disc, is supplied to warn of excessive pressure caused by a blocked line, etc.



Four adjustment marks are provided on the external portion of the piston for ease in setting pump output. The first mark or the closest to the pump body indicates the position to which the pump must always return to ensure complete prime. The second mark indicates the beginning of the discharge stroke, the third mark indicates 1/2 stroke, and the fourth mark indicates full stroke.

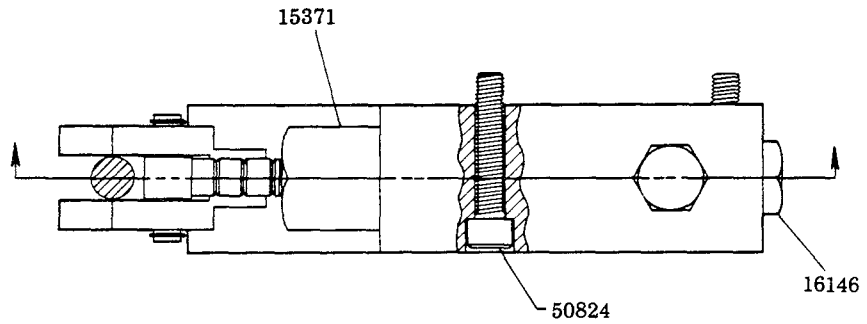


MODEL 87234 BASE PLATE

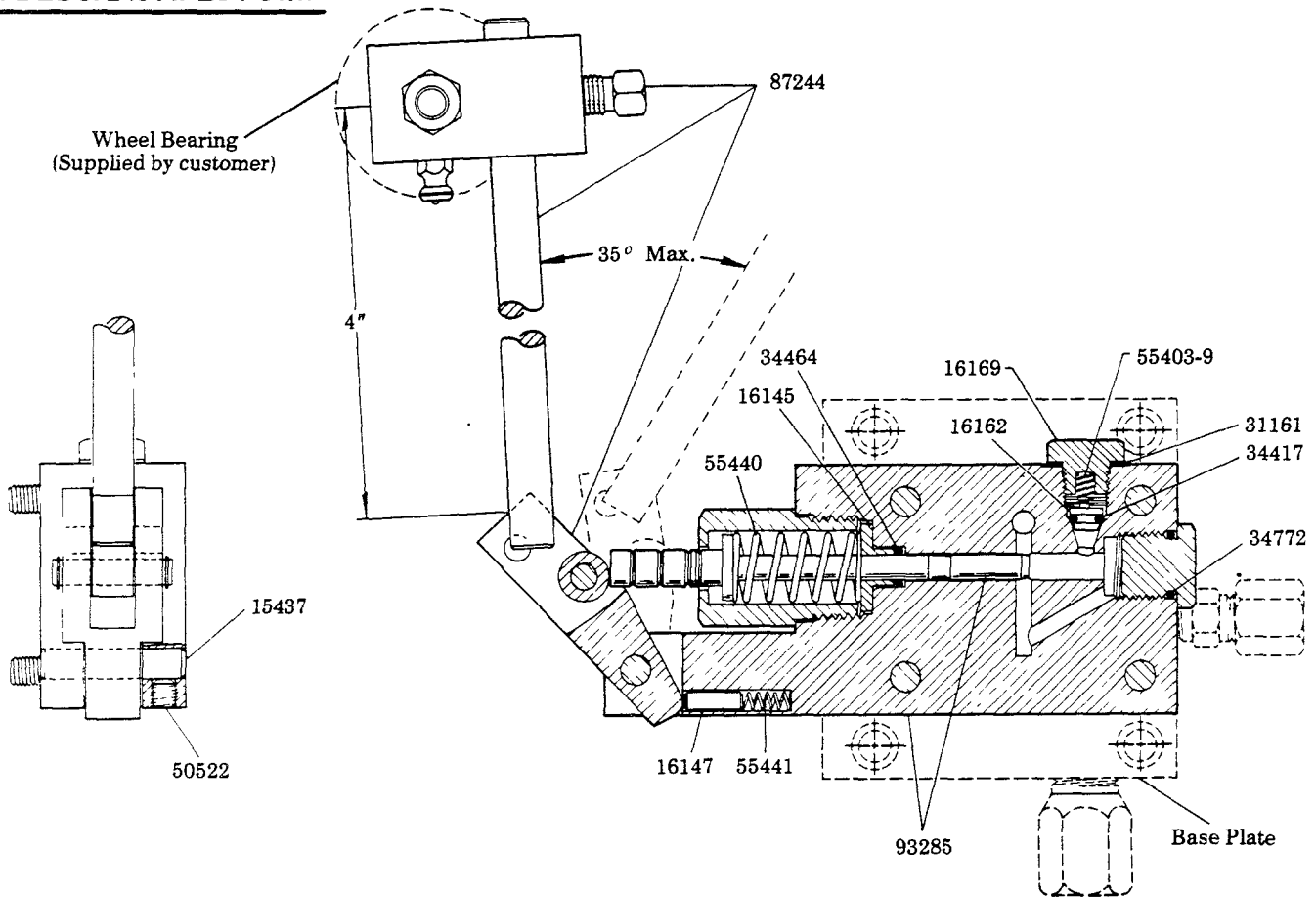


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MODEL 87243 APES PUMP



SERVICE PARTS

PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION
15052	1	Connector	16169	1	Plug	55430-9	1	Spring
15054	1	Nut	31161	1	Gasket	55440	1	Spring
15371	1	Nut	34417	1	O-ring	55441	1	Spring
15437	1	Pivot pin	34464	1	O-ring	57152	1	Spring
15702	1	Body	34599	1	O-ring	66250	2	Steel ball
16140	1	Pump base plate	34609	1	O-ring	69813-10	6	Disc (yellow)
16141	1	Inlet shutoff valve	34611	1	O-ring	69819	1	Retainer
16145	1	Bearing	34772	1	O-ring	70086	1	Retainer
16146	1	End plug	50522	1	Screw	87244	1	Lever assembly
16147	1	Plunger pin	50554	1	Set screw	93285	1	Pump body assembly
16162	1	Check valve	50824	4	Screw			

RETAIN THIS INFORMATION FOR FUTURE REFERENCE

When ordering replacement parts, list: Part Number, Description, Model Number, and Series Letter.
 LINCOLN ST. LOUIS provides a Distributor Network that stocks equipment and replacement parts.