

BRONZE PEDESTAL ROTARY GEAR PUMPS

GEAR PUMPS SERIES N1000L

PERFORMANCE



FEATURES

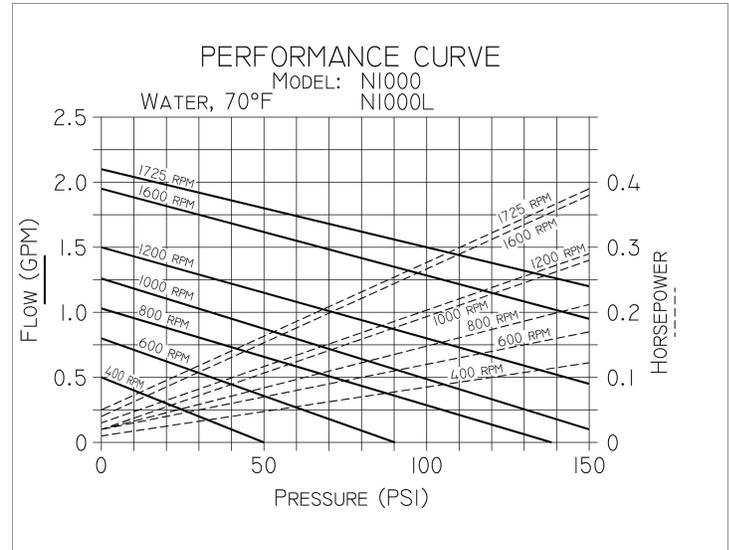
- Bronze Construction with Stainless Steel Shafts
- Positive Spring Loaded Lip Seal made from fluoroelastomer
- Available with Motor Adapter and Hardware
- Easy Field Assembly to Motors
- Self-Lubricating Carbon Bearings
- Consult Factory for Special Motors

DRIVE

The pump is driven directly from the electric motor shaft by means of a flexible coupling. An aluminum adapter connects the pump to the motor.

LIQUIDS AND TEMPERATURE

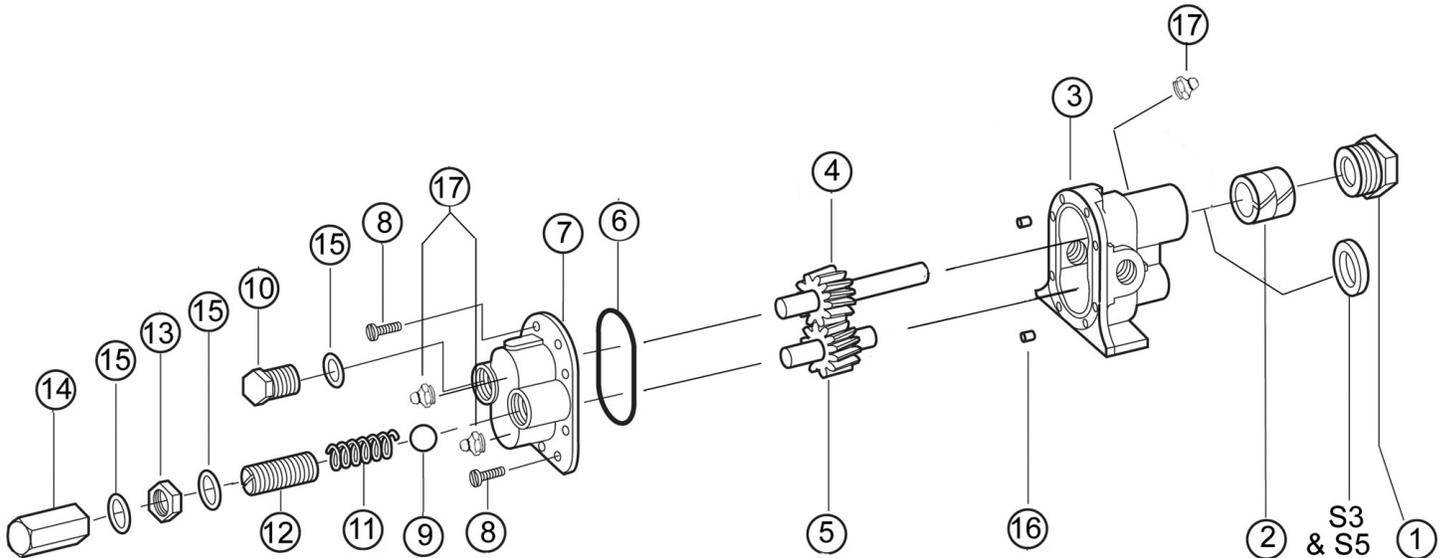
Service life will be increased substantially if liquid pumped is clean and has lubricity value. These pumps have extremely close tolerance. Fine abrasives like sand, silt, or powders in suspension will destroy pumping ability. Liquids compatible with bronze, stainless steel, and a fluoroelastomer lip seal can be pumped. Check a chemical compatibility chart or Oberdorfer™ factory. Nitrile Lip Seal (S3) available. Temperature extremes are detrimental to service life and should be avoided. Temperature range for this pump is from -40o F to 300o F. Freezing liquid in the pump can deform or damage the pump.



SUCTION LIFT

Close tolerances and the positive pumping action make the rotary gear pump capable of lifting water on the suction side as high as 20 feet. Though gear pumps are self priming, a foot valve is recommended. If possible, wet the gears with liquid to be pumped for the first dry start. Liquid retained in the system and gear chambers serves to “wet” the pump on subsequent starts.

EXPLODED VIEW AND PARTS LIST



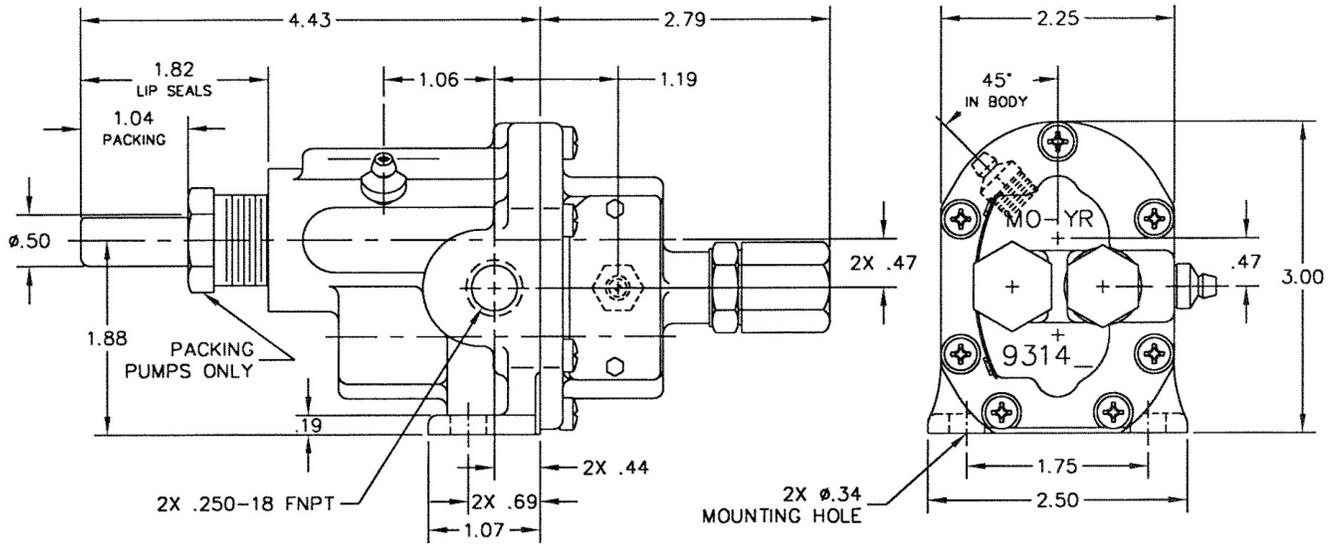
N1000L Series

Pump No	Seal Arrangement	1	2a	2b	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Repair Kit
		Packnut 1 req'd	Packing 2 req'd	Seal 1 req'd	Body 1 req'd	Drive Gear Ass'y 1 req'd	Idle Gear Ass'y 1 req'd	O-ring 1 req'd	Cover 1 req'd	Screw 7 req'd	Ball 1 req'd	Plug Nut 1 req'd	Spring 1 req'd	Adj. Screw 1 req'd	Locknut 1 req'd	Bypass Nut 1 req'd	Fiber Washer 3 req'd	Dowel Pin 2 req'd	Grease Fitting	
N1000L	Packing	1892	5481	NA	9311PB1N-1	32101	32110	9797-033	9314PN5N-1	5385								8885	5390	12295
N1000LS3	Buna Lip	NA		5007	9311PB2N-1	32978	32110	9797-033		5385								8885	5390	11266
Relief Valve Versions: N1000LR, N1000LRS3, (incremental parts)									9314PN5B-1		5809	5775	5806	5766	5774	5767	6966			

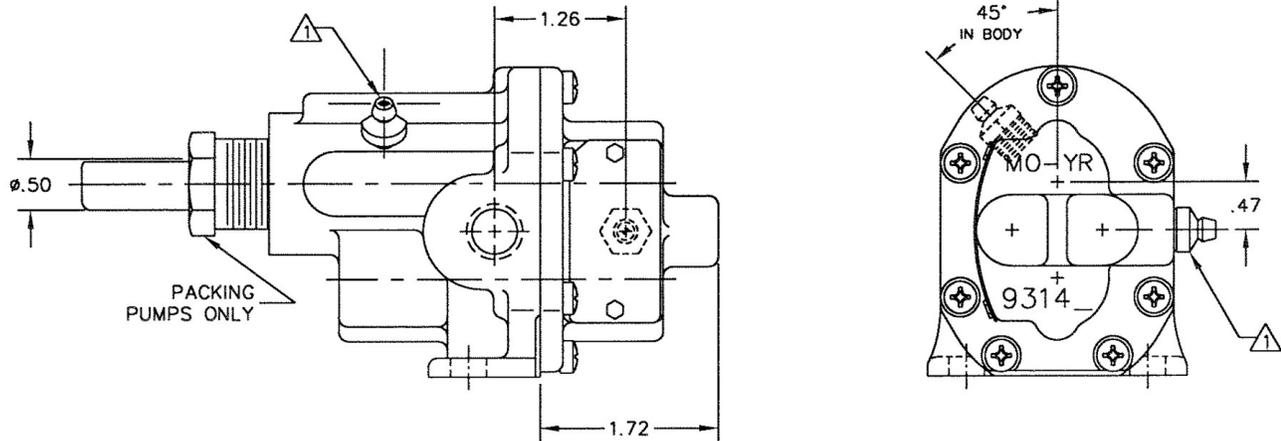
All Repair Kits contain items 2,4,5,6

DIMENSIONS

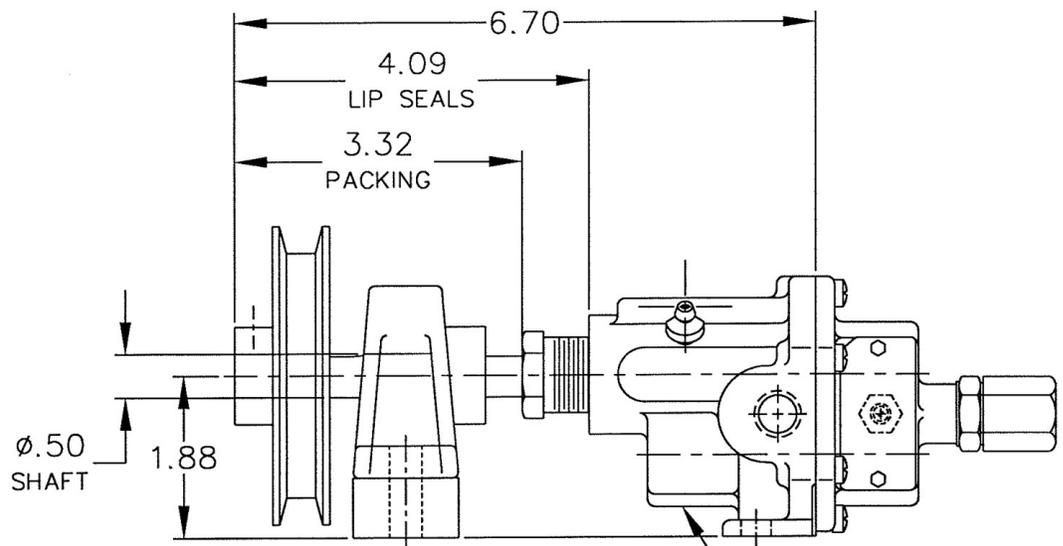
DIMENSIONS N1000LR & N1000LRS3



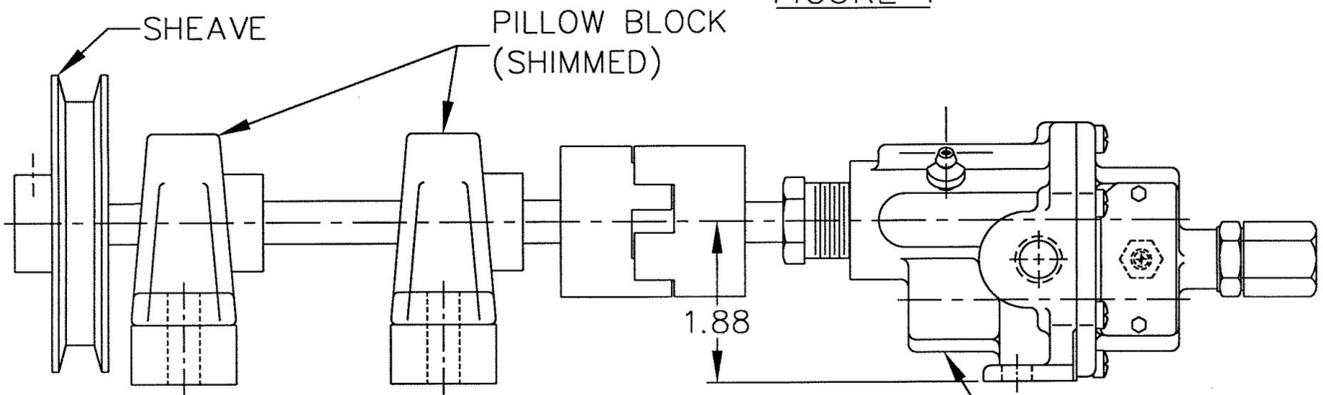
DIMENSIONS N1000L & N1000LS3



① GREASE FITTINGS (ITEM 17) INSTALLED INTO .125-27 NPT CONNECTIONS.



OPTIONAL N1000L(R)-02
 SERIES PUMP
 (LONG DRIVE SHAFT)
 FIGURE 1



STANDARD N1000L(R)
 SERIES PUMP
 FIGURE 2