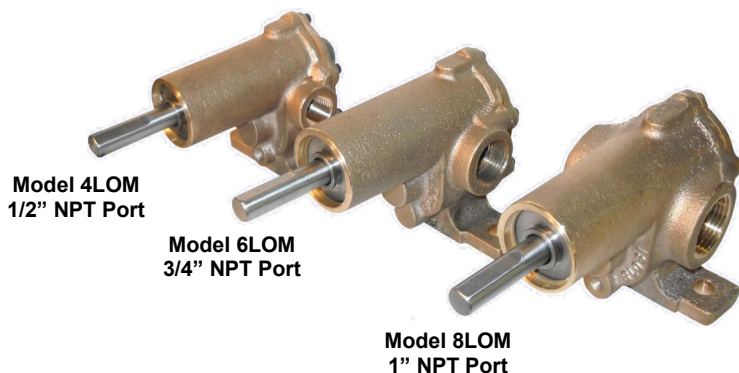


Completely 'Made in the USA', not just "designed, assembled and tested."

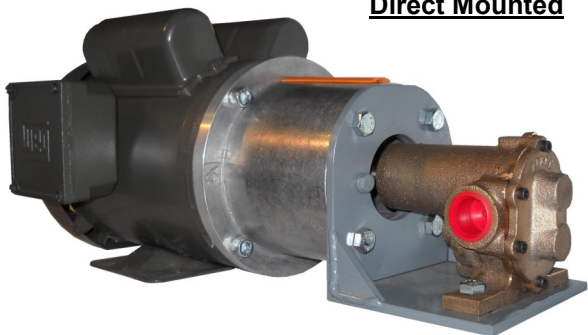
BRONZE GEAR PUMPS

New Model LOM Gear Pump

Our newest Bronze Gear Pump incorporates state of the art technology into the 'tried and true' performance of the industry standard all bronze Model LOS positive displacement gear pump. The new Model LOM includes environmentally friendly Federalloy™ cast bronze, an integral mechanical shaft seal, sleeve bearings and a keyed drive gear.



Direct Mounted



Relief Valve Option



Standard Features and Benefits

- ✓ Keyed Drive Gear -Operating Pressure to 150 PSI, Higher Continuous Torque for High Viscosity Materials
- ✓ Ertalyte™ Sleeve Bearings -Long Life, Broad Material Compatibility, FDA Compliant
- ✓ Federalloy™ Bronze Cast Body and Cover is Lead-Free and meets NSF Regulations for Leaching Copper and Bismuth
- ✓ 416 Stainless Steel Drive, Idler Shaft and Seal Retainer
- ✓ John Crane™ Type 2106 Viton™ Mechanical Seal -No Leak Operation
- ✓ Plated Steel Socket Head Cover Screws -No Stretching for Higher Pressure Applications
- ✓ 200-1800 RPM Operating Range for Accurate Control of Pumped Material

Application and Operation

- ✓ 3 Sizes- 1/2", 3/4" and 1" NPT Ports
- ✓ Flows to 18 GPM
- ✓ Bi-Directional Operation
- ✓ Temperature to 350 F
- ✓ 1/2" Shaft Diameter
- ✓ Two Hole Base Mount

Options

- ✓ 25-150 PSI Adjustable Relief Valve
- ✓ Rulon™ 641 Sleeve Bearings for Temperatures above 180 F
- ✓ Base and Direct Mounted Pump Systems

Uses

Adhesives, Glue
Alcohols
Ethylene Glycol, Anti-Freeze
Fuels-Petrol, Diesel, Kerosene
Glycerines
Heating Oils
Inks
Molasses
Salt Brine
Sea Water
Solvents
Syrups
Vegetable/Cooking Oils
Vinagars
Water-Tap, Grey, Soapy
Weed Killers

Markets

Agriculture-fertilizers, pesticides
Automotive-coolants, lubricants
Book Mfg-adhesives, glue
Construction & Mining-lubricants, fuels, coolants
Filtration System Pumps-portable, stationary
Food & Beverage-syrups, additives, oils
Furniture-adhesives, glue
Institutional (Hospitals, Schools)-Boiler feed pump
Machine Tool-coolant & lubricant circulation
Marine-bilge pump, fresh water
Mills-coolants, lubricants
Municipalities-liquids transfer
Power Plants & Utilities-coolants, lubricants, fuels
Printing-inks, solvents
Processing Plants-speed variable material transfer
Refineries-liquid transfer

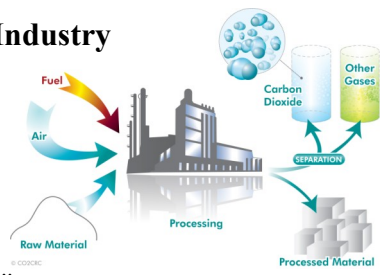


Lobee Pump & Machinery Co.

Industrial Pumps and Accessories

Since 1899...Noted for Highest Quality Pumps and Equipment

Process Pumps for Industry



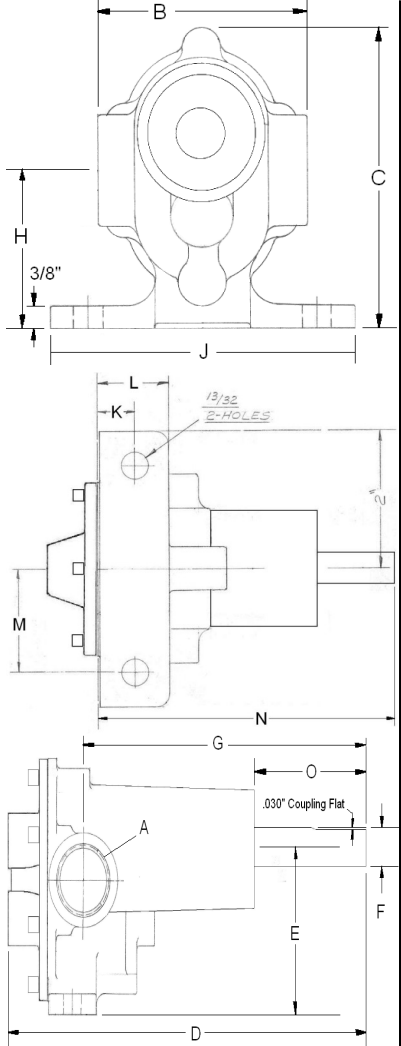
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BRONZE GEAR PUMPS

LOM Performance and Sizing Data

Dimensions

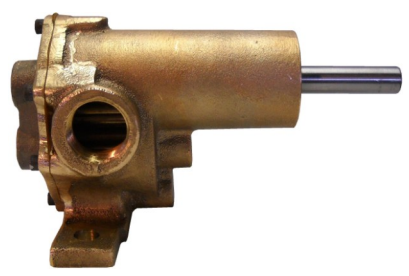
MODEL	Port A	Body Width B	Body Height C	Overall Length D	Mount to Shaft CL E	Shaft Dia F	Port CL to Shaft End G	Mount to Port CL H	Base Mount Width J	Mount Hole Position K	Base Mount Depth L	Foot Mount Holes M	Base Mount Rear to Shaft End N	Shaft Extension O
4LOM	1/2"	2-7/8"	4-1/16"	6-5/16"	2-21/32"	1/2"	4-29/32"	2-1/16"	4-1/8"	17/32"	1-1/32"	1-1/2"	5-1/2"	1-7/8"
6LOM	3/4"	2-7/8"	4-1/16"	6-3/4"	2-21/32"	1/2"	5-1/4"	2-1/16"	4-1/8"	17/32"	1-1/32"	1-1/2"	6"	1-7/8"
8LOM	1"	3"	4-1/16"	7-1/4"	2-21/32"	1/2"	5-7/16"	2-1/16"	4-1/8"	3/4"	1-5/16"	1-1/2"	6-1/4"	1-7/8"



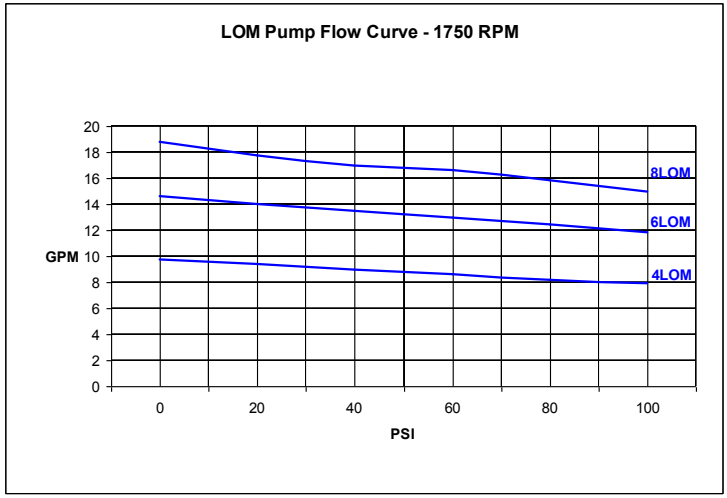
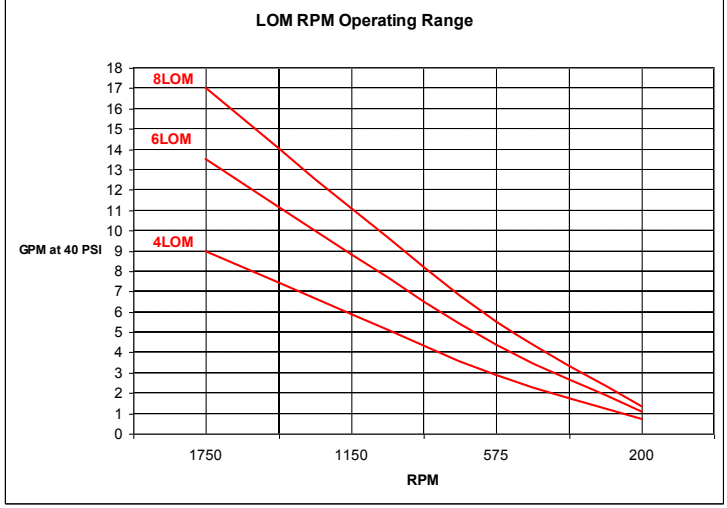
Performance tested with 70 F Water. The viscosity and specific gravity of other fluids will vary results. Please contact factory for applications with estimated pressure above 100 PSI.

Positive displacement gear pumps have excellent suction lift characteristics and are self priming when wetted. For vertical suction lift should pump run dry between uses, re-'wet' pump or use foot valve.

Pump flow can be varied by varying input speed with pulleys, a gear reducer, or electric motor inverter (VFD). Never side load pump drive shaft, use a jackshaft/ bearing arrangement.



Performance



Model Sizing

SHAFT SPEED	PUMP MODEL	NPT Ports	GPM/100 RPM	0 PSI															
				~ CIR	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP			
1750 RPM	4LOM	1/2"	0.556	1.28	9.7	1/2	9.4	1/2	9	3/4	8.6	1	8.2	1	7.9	1 1/2			
	6LOM	3/4"	0.836	1.93	14.6	1/2	14	1/2	13.5	1	13	1 1/2	12.4	1 1/2	11.8	1 1/2			
	8LOM	1"	1.070	2.47	18.8	1/2	17.7	3/4	17	1	16.6	1 1/2	15.8	2	15	2			
1150 RPM	4LOM	1/2"	0.556	1.28	6.6	1/4	6.2	1/4	5.9	1/3	5.6	1/2	5.4	3/4	5.2	3/4			
	6LOM	3/4"	0.836	1.93	9.6	1/3	9.2	1/3	8.8	1/2	8.5	1/2	8.2	1	7.7	1			
	8LOM	1"	1.070	2.47	12.4	1/3	11.6	1/2	11.1	3/4	10.9	1	10.3	1	9.8	1 1/2			
575 RPM	4LOM	1/2"	0.556	1.28	3.2	1/4	3	1/4	2.9	1/3	2.8	1/3	2.7	1/3	2.6	1/2			
	6LOM	3/4"	0.836	1.93	4.8	1/4	4.6	1/4	4.4	1/3	4.2	1/3	4	1/2	3.8	1/2			
	8LOM	1"	1.07	2.47	6.2	1/4	5.8	1/4	5.5	1/3	5.3	1/2	5.1	1/2	4.9	3/4			

LOM5/2011