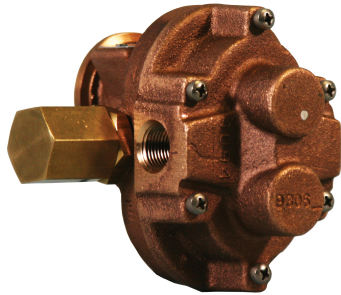


GEAR PUMPS

GEAR PUMPS SERIES N9206



FEATURES

- Rugged corrosion resistant bronze construction
- Compact close-coupled carbonator motor mount design
- Stainless steel shafts
- Durable bronze helical gears provide quiet operation
- Process lubricated carbon graphite bearings
- O-ring cover seal for maximum leak protection
- Nitrile Mechanical Seal (fluoroelastomer optional)
- Bronze TEE Coupler

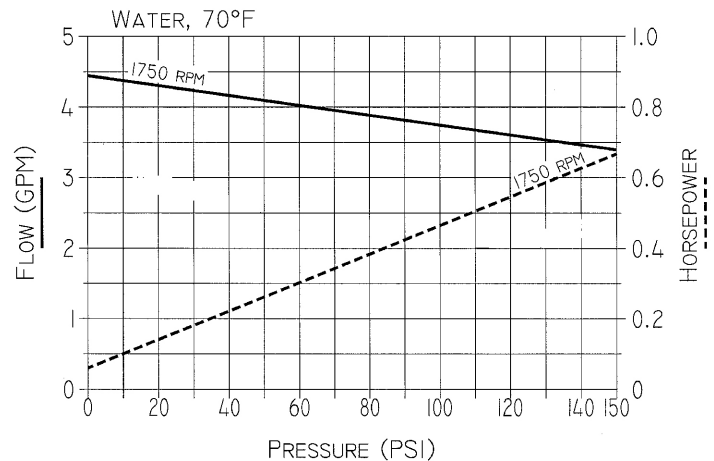
DRIVE

Intended for close-coupled mounting to NEMA 48 Carbonator Mount footed motors using clamp and T coupling. Pump can be mounted in any orientation relative to the motor base. For vertical installations, mount pump below motor. Complete pump / motor units are available.

LIQUIDS AND TEMPERATURE

Bronze pumps are suitable for water, oil, and mild chemicals in the pH-range from 4-10. Viscous liquids may be handled with carbonator pumps up to a viscosity of 300 SSU. Higher viscosities require a pump speed lower than 1725 RPM, which is currently not available in carbonator motors.

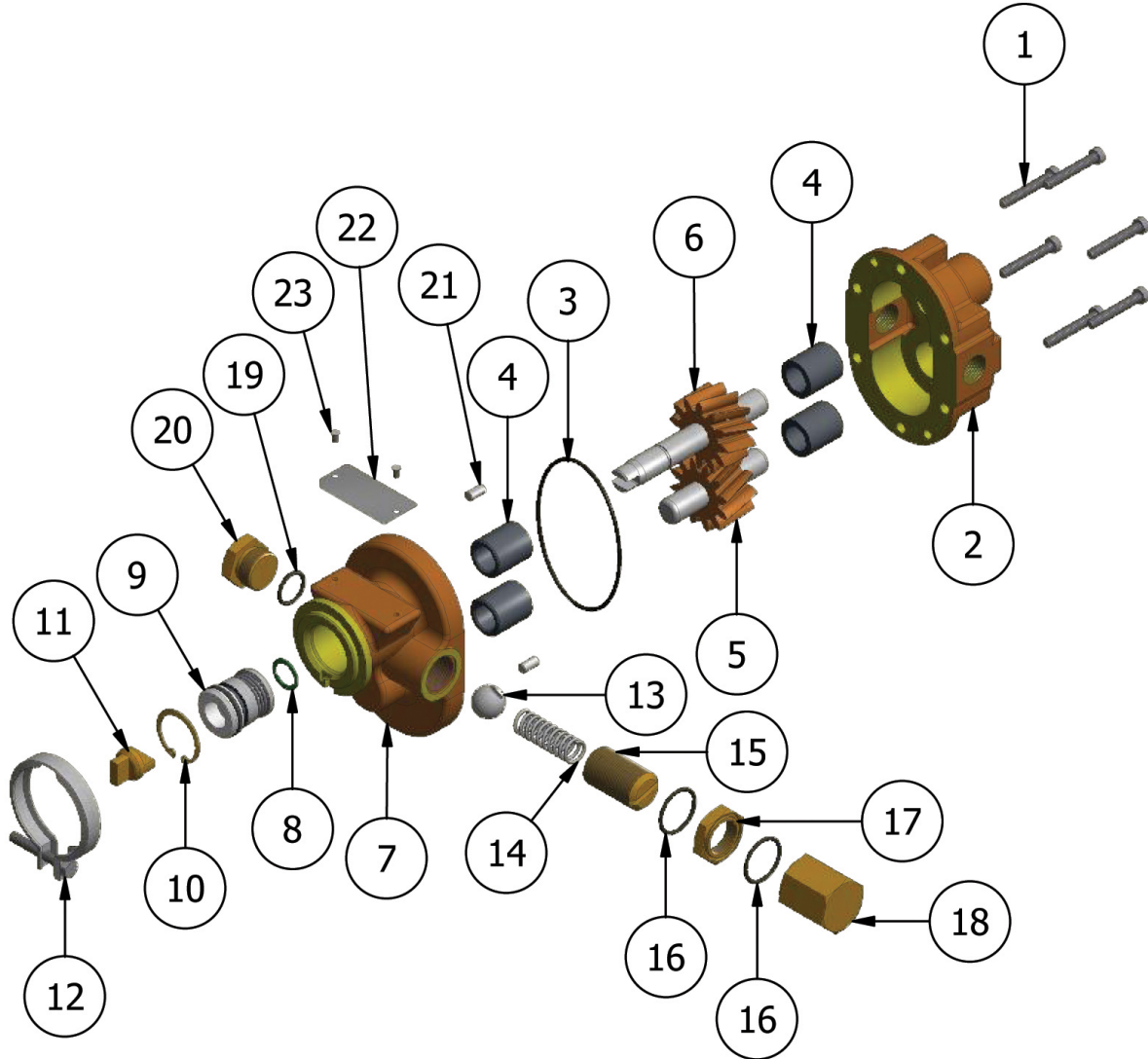
PERFORMANCE



SUCTION LIFT

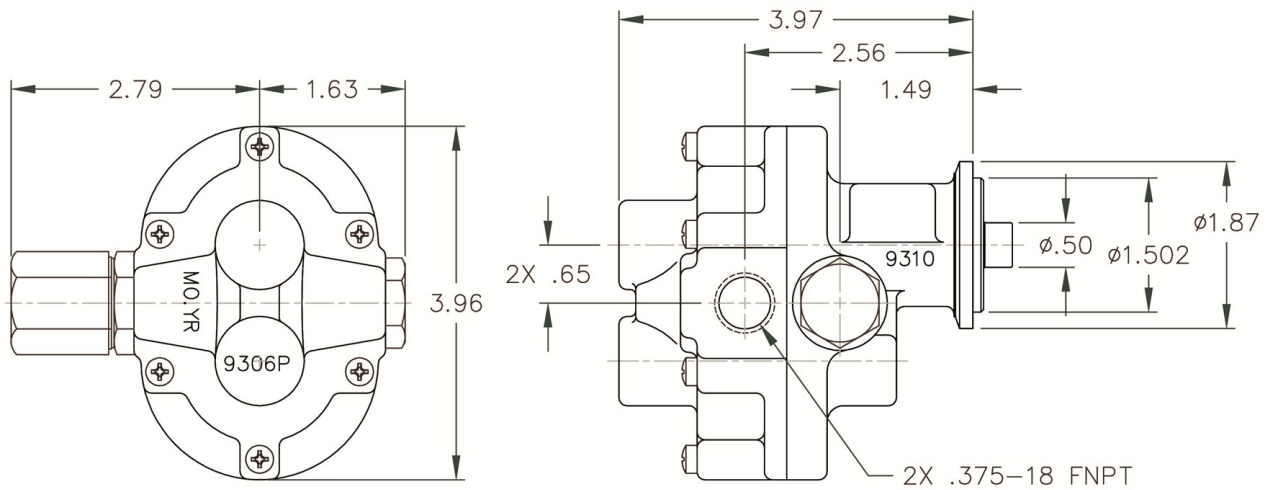
For a first start-up, the pump should be primed to avoid dry running. Gear pumps are self-priming, but a foot valve with strainer is recommended at the beginning of the suction line. This will keep the gear chamber primed to insure instant flow when the pump is started. Maximum suction lift is 20 feet. The suction line should be as short as possible.

EXPLODED VIEW AND PARTS LIST



Model	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
NS206GGOC	Screw	Body	O-ring	Bearing	Idle Gear Assy	Drive Gear Assy	Cover	Snap Ring	Seal	Snap Ring	Coupler	Clamp	Ball	Spring	Adjust. Screw	O-ring	Lock Nut	Valve Nut	O-ring	Plug Nut	Dowel Pin	Tag	Tag Screw	Repair Kit
NS206GRC	Qty: 6	Qty: 1	Qty: 1	Qty: 1	Qty: 1	Qty: 1	Qty: 1	Qty: 1	Qty: 1	Qty: 1	Qty: 1	Qty: 1	Qty: 1	Qty: 1	Qty: 1	Qty: 2	Qty: 1	Qty: 1	Qty: 1	Qty: 1	Qty: 2	Qty: 1	Qty: 2	Qty: 1
NS206GLC	7733	9306NCSN-C	9797-038	5024	32993	33271	9310PN4N-C	5373	32584	7639	2353	8840	---	1840	5237	9797-019	5240	5239	9797-015	1838	8885	9344	9345	11965H
NS205	7733	9306NCSN-C	9797-038	5024	32993	33271	9310PN4B-C	5373	32584	7639	2353	8840	5238	1840	5237	9797-019	5240	5239	9797-015	1838	8885	9344	9345	11965H
NS2K		9307ND2N-C							32585															

DIMENSIONS



ROTATION AND RELIEF VALVE

The relief valve is not intended to be a metering or flow control device. Its main purpose is to function as a discharge pressure relief when the spring tension is exceeded by the discharge pressure. Overheating can occur within 5-10 minutes if the discharge line is completely shut off for extended periods.

Unless otherwise specified, the pump motor unit is supplied by the factory for shaft rotation clockwise from shaft end. Reversing the motor rotation will reverse the "in" and "out" ports and also requires changing the relief valve location. The relief valve is always on the inlet side in this pump series. The factory pressure setting is 50 PSIG. To increase pressure, turn the relief valve adjusting screw in a clockwise direction. To reverse single phase motors, find instructions on the inside of the junction box cover or on the nameplate of the motor.