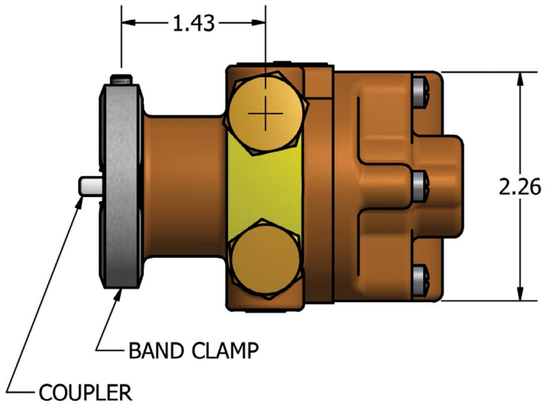
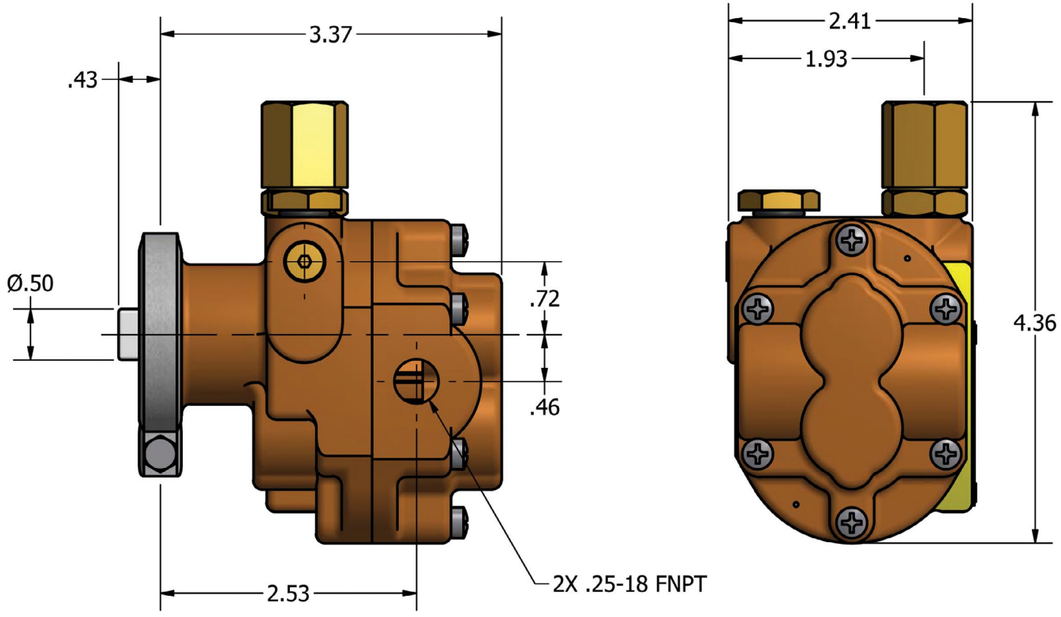
Dimensions





OBERDORFER PUMPS
by Gardner Denver

5900 Firestone Drive, Syracuse, NY 13206
Phone: (800) 448-1668; (315) 437-0361 • Fax: (315) 463-9561

Visit **www.oberdorfer-pumps.com** to find in-depth descriptions of the world's leading high-quality, dependable pumps.

Due to ongoing product improvements, data shown here is subject to change without notice. Contact Oberdorfer Pumps for latest specifications.

95Series.062014

1/4" NPT Ports

FEATURES:

- Bronze Body, Stainless Steel Shaft
- Buna N Mechanical Seal (Viton optional)
- Self-lubricating Carbon Bearings
- Carbonator Motor Mount
- Bronze Spur Gears
- Superior to Vane Pumps

GENERAL DESCRIPTION:

The carbonator motor mounting uses a circular clamp, similar to a hose clamp, as means of attaching the pump to a specially machined hub on the motor. This concept was first developed for the vending machine industry to pump carbonated beverages in soft drink dispensers. The main advantages are compactness and economy due to the elimination of the adapter casting. Carbonator motors are readily available from electric motor distributors.

The rotary gear pump features an all bronze design and 303 stainless steel shafts with options of non-metallic gears and a variety of shaft seals. The built-in relief valve is available in multiple options; internal recirculation to suction side or external connection for return line to supply tank.

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.

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.

Liquids containing abrasives, solids, powders or pigments are highly detrimental to pump life and must be avoided. The recommended liquid temperature range is from 32° F to 140° F. If more extreme temperature conditions exist, factory should be consulted. Allowing the liquid to freeze in the pump can cause damage.

ROTATION AND RELIEF VALVE:

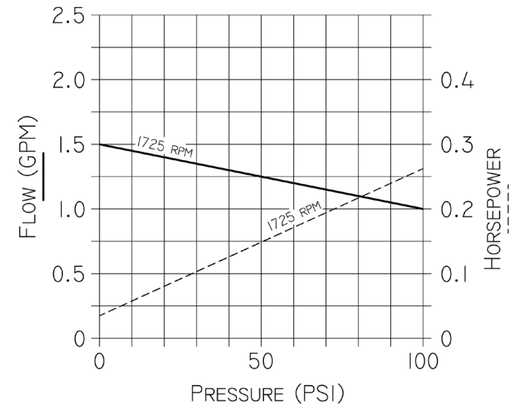
The relief valve is not intended to be a metering or flow control device. Its main purpose is to function as a discharge pressure relief when the spring tension is exceeded by the discharge pressure. Overheating can occur within 5-10 minutes if the discharge line is completely shut off for extended periods.

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 discharge 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 name plate of the motor.

PERFORMANCE:

CAPACITY WATER AT 70°F



OBERDORFER PUMPS
by Gardner Denver

Parts List

	1	2	3*	4*	5*	6*	7	8*	9*	10*	11*	12*	13
	Screw	Body	O-Ring	Bearing	Idle Gear Assy	Drive Gear Assy	Cover	Bearing	Snap Ring	Seal	Snap Ring	Coupler	Clamp
Pump No.	Qty. 6	Qty. 1	Qty. 1	Qty. 2	Qty. 1	Qty. 1	Qty. 1	Qty. 2	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 1
N95060GLC	5013	9301NB5N	9797-033	8990	32629	32884	9305NN4B	5024	5373	32584	7639	9175	8840
N95050GLC	5013	9301NB5N	9797-033	8990	32629	32884	9305NN4B	5024	5373	32585	7639	9175	8840
N95060GOC	5013	9301NB5N	9797-033	8990	32629	32884	9305NN4N	5024	5373	32584	7639	9175	8840
N95060GFC01	5013	9301NB5N	9797-033	8990	32629	32884	9305NN4R	5024	5373	32584	7639	9175	8840
N95060GEC03	5013	9301NB5N	9797-033	8990	32629	32884	9305NN4R	5024	5373	32584	7639	9175	8840
N95060GE	5013	9301NB5N	9797-033	8990	32629	32883	9305NNZR	8990	5373	32584	7639	N/A	N/A

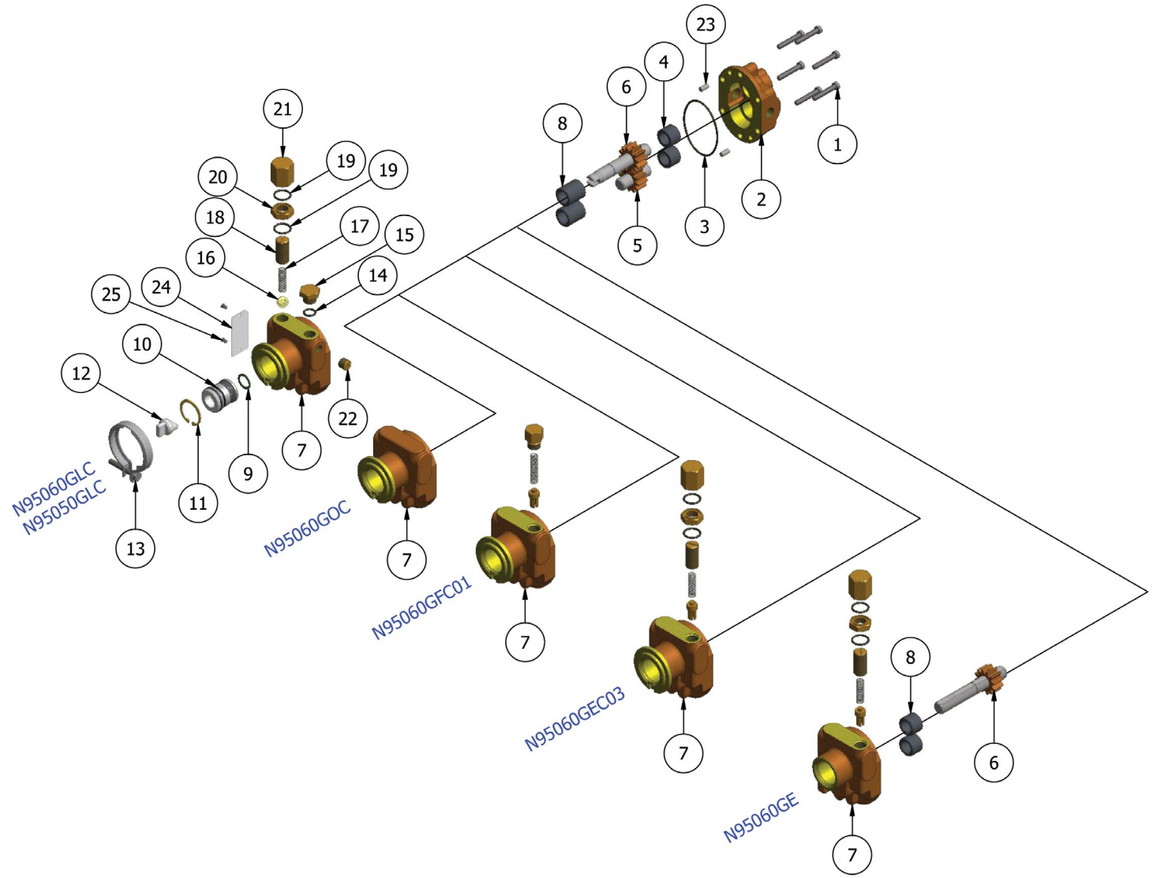
	14	15	16	17	18	19	20	21	22	23	24	25	*Repair Kit
	O-Ring	Plug Nut	Ball or Poppet	Spring	Adjusting Screw	O-Ring	Lock Nut	Valve Nut or Cap	Pipe Plug	Dowel Pin	Tag	Tag Screw	
Pump No.	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 2	Qty. 1	Qty. 1	Qty. 1	Qty. 2	Qty. 1	Qty. 2	
N95060GLC	9797-012	5775R	5809	5806	5766	9797-015	5774D	5767	6052	8885	9344	9345	11936
N95050GLC	9797-012	5775R	5809	5806	5766	9797-015	5774D	5767	6052	8885	9344	9345	12072
N95060GOC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8885	9344	9345	11936
N95060GFC01	N/A	N/A	7640	9718	N/A	N/A	N/A	9661	N/A	8885	9344	9345	11936
N95060GEC03	N/A	N/A	7640	5806	5766	9797-015	5774D	5767	N/A	8885	9344	9345	11936
N95060GE	N/A	N/A	7640	5806	5766	9797-015	5774D	5767	N/A	8885	9344	9345	11937

			Integrated Relief Valve					
Pump No.	Ports	Seal Material	Poppet or Ball	Adjustable or Fixed Setting	Spring	Internal or External Return	Valve Position (Facing Pump Shaft)	Rotation (Facing Pump Shaft)
N95060GLC	1/4	Buna	Ball	Adjustable	Low Pressure	Internal	Left	CCW
N95050GLC	1/4	Viton	Ball	Adjustable	Low Pressure	Internal	Left	CCW
N95060GOC	1/4	Buna	N/A	N/A	N/A	N/A	N/A	N/A
N95060GFC01	1/4	Buna	Poppet	Fixed	Low Pressure	External	Right	CW
N95060GEC03	1/4	Buna	Poppet	Adjustable	Low Pressure	External	Right	CW
N95060GE	1/4	Buna	Poppet	Adjustable	Low Pressure	External	Right	CW

Carbonator Style ODP Motors

Code	HP	Voltage	Frequency	Speed (RPM)	Thermal Overload	Part No.
C33	1/4	115/230	60/50 Hz	1725/1425	Auto	9630
C34	1/4	115	60 Hz	1725	Auto	9873
F02	1/3	115/230	60/50 Hz	1725/1425	Auto	8876
F06	1/3	115	60 Hz	1725	Auto	9403
F12	1/3	230	60/50 Hz	1725/1425	Auto	8520
J01	1/2	115	60 Hz	1725	Manual Reset	2240
J39	1/2	115	60 Hz	1725	Auto	3150
M40	3/4	115/230	60 Hz	1725	Auto	3151

Exploded View



Carbonator Motor Mounted