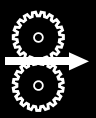


# SG Gear Series



The SG Series are gear pumps specially designed for high pressure applications. These pumps are recommended for use with liquids that have some lubricating qualities and are relatively free of abrasives and scale. NOTE: NOT TO BE USED TO PUMP PLAIN WATER.



## SG SERIES SPECIFICATIONS

SG Series gear pumps provide pressure up to 70 PSI and 3 GPM for applications where consistently high pressure is needed for small tubing, oil hole drills, high velocity jets through nozzles and for heavy viscosity oils. Cutting oils, coolants, lubricants, drawing compounds and some solvents are the types of fluids typically pumped with SG Series pumps. These pumps and systems are recommended for use with liquids that have some lubricating quality and are relatively free from abrasives and scale. SG Series gear pumps are often preferred for small lathes and drills.

SG Series pumps mount vertically in tanks and containers. They are self-priming and the intake can be located several feet below the pump. All units are supplied with relief valve and intake filter. Most pumps available as a Pump/Tank combination. See pages 24 thru 28 or consult factory.

**SG1:** 1/25 HP, 1500 RPM. Maximum pressure: 22 PSI,  $\frac{3}{8}$ " NPT vertical discharge. Maximum viscosity: 2000 SSU.

**SG2:** 1/8 HP, 1725 RPM. Maximum pressure: 40 PSI,  $\frac{3}{8}$ " NPT vertical discharge. Maximum viscosity: 5000 SSU.

**SG4:** 1/4, 1/2 HP, 1725 RPM. Maximum pressure: 1/4 HP- 50 PSI, 1/2 HP- 70 PSI,  $\frac{3}{8}$ " NPT vertical discharge. Maximum viscosity for both: 5000 SSU.

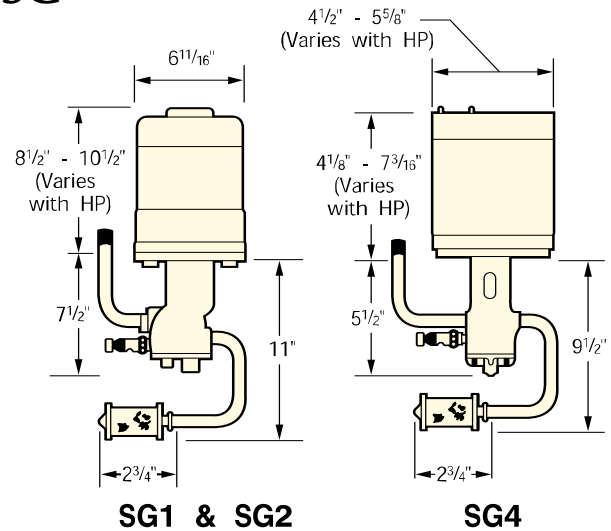
### MATERIALS:

**Pump Body:** Cast iron

**Gears:** Hardened steel

**Bearings:** Bronze with Oilite

## SG



## SG ORDER INFORMATION

MODEL	HP	RPM	VOLTAGE SUFFIX	PERFORMANCE
SG1	1/25	1500	A, B	1 GPM at 10 PSI. Maximum 22 PSI.
SG2	1/8	1725	A, B, F	1.2 GPM at 10 PSI. Maximum 40 PSI.
SG4-1/4	1/4	1725	E, F	3 GPM at 10 PSI. Maximum 50 PSI.
SG4-1/2	1/2	1725	E, F	3 GPM at 10 PSI. Maximum 70 PSI.

1. SG4 1/2 HP 370 SSU oil
2. SG4 1/4 HP 370 SSU oil
3. SG2 1/6 HP 300 SSU oil
4. SG1 1/25 HP 300 SSU oil

