

1-800-GRAINGER (472-4643)

Vacuum Pump and Portable Container

PUMP

Air-operated aluminum-body pump handles cutting fluids, waste oil, paint sludge, contaminated liquids, etc. Automatically shuts off when receiving container is full.

CONTAINER

Smooth, seamless polyethylene drum has 2" NPT bung opening and a 3/4" opening. With carrying handle for easy transport.



Description	Construc. Material	Body Material	Item No.
Vacuum Pump, Includes Air Connection Kit, Suction Hose	—	Aluminum	5UWG2
15-gal Container, 14 1/8 in O.D. x 26 1/2 in H	HDPE	—	5UWG5

Pedestal Gear Pumps—Intermittent-Duty



- Max. temp.: 210°F, except 230°F on 4KHJ4 to 4KHJ9
- Max. viscosity: 500 SSU at 1725 rpm
- Max. pressure: 100 psi
- Self-priming

Intermittently transfer nonabrasive or nonparticulate viscous liquids with a near-pulseless flow. Not for use in pulley drive systems that do not have a pillow-block shaft assembly. Bidirectional rotation.

Note: Higher viscosity liquids (100,000 SSU) must be transferred with more horsepower at reduced speeds.

BRONZE

Bronze spur gears are great for water-based liquids. Wet-end components: 303 stainless steel, bronze, brass, PTFE, and carbon graphite.

CAST-IRON

Steel spur gears are great for oil-based liquids. Wet-end components: cast iron, steel, and Viton on Viton-seal models; steel, cast iron, and PTFE on PTFE-seal models.



Port Size	Shaft Dia.	Shaft Height	GPM @ Free Flow	HP @ Free Flow*	GPM @ 100 psi	HP @ 100 psi	GPM @ 1725 rpm	HP @ 1725 rpm	Suction Lift	BRONZE W/ (4) BUSHINGS (2 LONG AND 2 SHORT), (4) THICK WASHERS, (8) THIN WASHERS				CAST IRON W/VITON LIP SEAL		CAST IRON W/ KEVLAR PACKING, PTFE SEAL AND ZERK FITTING	
										Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.
1/4 in	0.5 in	1.875 in	2.2 gpm	0.1667 hp	1.9 gpm	0.1667 hp	2.5 ft	4KHG4	—	—	—	—	—	—	—	—	—
	0.5 in	1.875 in	0.1666666666 gpm	0.1667 hp	1.9 gpm	0.1667 hp	2.5 ft	—	—	—	—	—	—	—	—	—	—
3/8 in	0.5 in	2.3594 in	4.8 gpm	0.5 hp	4.4 gpm	0.5 hp	3.5 ft	4KHG5	—	—	—	—	—	—	—	—	—
	0.625 in	2.625 in	7 gpm	0.75 hp	6.5 gpm	0.75 hp	7.9 ft	—	4KHH3	—	—	—	—	—	—	—	—
1/2 in	0.625 in	2.625 in	7 gpm	0.75 hp	6.6 gpm	0.75 hp	7.9 ft	—	—	—	—	—	—	—	—	—	—
	0.63 in	2.625 in	7 gpm	0.75 hp	6.6 gpm	0.75 hp	7.9 ft	4KHG6	—	—	—	—	—	—	—	—	—
3/4 in	0.625 in	2.625 in	10.8 gpm	0.75 hp	10.2 gpm	0.75 hp	12.3 ft	—	—	—	—	—	—	—	—	—	—
	0.63 in	2.625 in	10.8 gpm	0.75 hp	10.2 gpm	0.75 hp	12.3 ft	4KHG7	—	—	—	—	—	—	—	—	—
1 in	0.625 in	3.5625 in	20.6 gpm	1.5 hp	19.8 gpm	1.5 hp	15.2 ft	4KHG8	—	—	—	—	—	—	—	—	—
	0.625 in	3.5625 in	24.8 gpm	1.5 hp	23.1 gpm	1.5 hp	19.5 ft	4KHG9	—	—	—	—	—	—	—	—	—
1 in	0.625 in	3.5625 in	24.8 gpm	1.5 hp	23.1 gpm	1.5 hp	19.6 ft	—	—	—	—	—	—	—	—	—	—
	0.625 in	3.5625 in	24.8 gpm	1.5 hp	23.1 gpm	1.5 hp	19.6 ft	—	—	—	—	—	—	—	—	—	—

* Flow is based on pumping 10-weight oil at 70°F at 1725 rpm. See page 9, 10 for optional motors.

Pedestal Gear Pumps



- Max. viscosity: 500 SSU at 1725 rpm
- Max. pressure: 125 psi
- Mechanical seals
- Self-priming

Transfer nonabrasive or nonparticulate liquids with a near-pulseless flow. Pumps are bidirectional with positive displacement. All have keyed shafts and a seal flush chamber. Shaft ball bearings allow use with pulley-drive systems. Cast-iron and bronze models have pressure relief valves.

Note: Higher-viscosity liquids (100,000 SSU) must be transferred with more horsepower at reduced speeds.

CAST-IRON

- Max. temp.: 280°F

Steel spur gears handle oil-based fluids. Viton mechanical seals with carbon/ceramic faces provide good resistance to compatible chemicals. Other wetted materials are cast iron and steel.

BRONZE

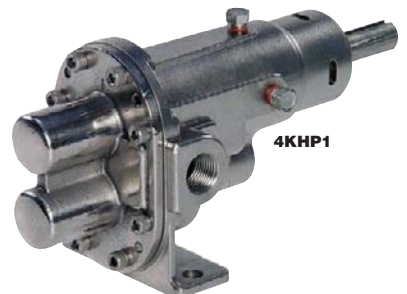
- Max. temp.: 210°F

Fortron polyphenylene sulfide (PPS) spur gears transfer water-based liquids with no metal-to-metal contact; good chemical compatibility. Buna N mechanical seals with carbon/ceramic faces. Other wetted materials are bronze, brass, Fortron, and carbon graphite.

316 STAINLESS STEEL

- Max. temp.: 280°F

Fortron polyphenylene sulfide (PPS) spur gears handle viscous-based fluids and operate quietly with no metal-to-metal contact; good chemical resistance. Viton mechanical seals with carbon/ceramic faces. Other wetted materials are 316 stainless steel, carbon graphite, and Fortron.



Port Size	Shaft Dia.	Shaft Height	GPM @ Free Flow	HP @ Free Flow*	GPM @ 125 psi	HP @ 125 psi	Suction Lift	316 STAINLESS STEEL W/ CARBON BUSHINGS			BRONZE W/ CARBON GRAPHITE BUSHINGS		CAST-IRON W/STEEL SPUR GEARS	
								Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	
3/8 in	0.5 in	2.375 in	4.8 gpm	0.5 hp	4.1 gpm	1 hp	3.5 ft	4KHF8	4KHF3	—	—	—	—	
	0.5 in	2.8 in	4.8 gpm	0.5 hp	4.1 gpm	1 hp	3.5 ft	—	—	—	—	—	—	
1/2 in	0.625 in	2.625 in	7 gpm	0.75 hp	6.1 gpm	1.5 hp	7.9 ft	4KHF9	4KHF4	—	—	—	—	
	0.625 in	3.1563 in	10.8 gpm	1.5 hp	9.7 gpm	1 hp	12.3 ft	—	—	—	—	—	—	
3/4 in	0.625 in	2.625 in	10.8 gpm	0.75 hp	9.7 gpm	1.5 hp	12.3 ft	4KHG1	4KHF5	—	—	—	—	
	0.75 in	3.5625 in	20.6 gpm	1.5 hp	19.2 gpm	3 hp	15.2 ft	4KHG2	4KHF6	—	—	—	—	
1 in	0.75 in	3.5625 in	24.8 gpm	1.5 hp	23.3 gpm	3 hp	19.5 ft	4KHG3	4KHF7	—	—	—	—	
	0.75 in	3.9375 in	24.8 gpm	1.5 hp	23.3 gpm	3 hp	19.5 ft	—	—	—	—	—	—	

* Flow is based on pumping 10-weight oil at 70°F at 1725 rpm. See page 9, 10 for optional motors.