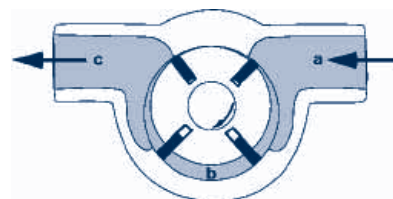




These economical pumps provide adequate suction to change warm oil and are easily repaired by simply replacing the impeller. This design is not recommended for fuel transfer. (See page 2 for complete description of pump operation.)



These high quality pumps offer very strong suction suitable for warm to cold oil. They are highly recommended for diesel transfer. Only transfer gasoline in models specifically approved for that service. (See page 2 for complete description of pump operation.)



Vane pumps have adequate suction to change warm to ambient temperature oil and are easily repaired by replacing the rotor and vanes. Vane pumps are recommended for diesel transfer. Only transfer gasoline in models specifically approved for that service. (See page 2 for complete description of pump operation.)

Oil change pumps will remove your oil through your dipstick port or oil pan drain. Some portable models come with containers while permanently mounted models have optional manifolds and reversing switches that simplify the oil change process while eliminating the mess. A wide range of pumps are available to transfer flammable diesel fuel while explosive gasoline requires extreme care. Only pumps specifically approved for gasoline should be used.

### 12 vdc Reversible Vane



45710-1000 by Jabsco

Jabsco's reversible vane pump utilizes sliding vanes that are designed to handle oil or diesel fuel effectively. It will pump up to 5 gpm and lift up to 3 feet. For quick and mess free engine and generator oil change, combine this pump with a manifold. (See page 35)

### 115 vac Reversible Gear



N992-37-F30 by Oberdorfer

This heavy-duty bronze gear pump will handle your toughest oil change with its 20 foot suction lift and 4 gpm capacity. Its reversing switch allows dual directional flow for refilling your engines with fresh oil or balancing diesel between two onboard tanks. (See page 38)

### Air Operated Diaphragm



Oil or Fuel Transfer

Yamada's 3/4" and 1" diaphragm pumps are operated by compressed air to transfer up to 49 gpm of oil or fuel. With proper grounding and Viton diaphragms even gasoline can be safely transferred. (See page 65)

### 12 & 24 vdc Diesel Pump



Walbro

Walbro's UL listed electronic fuel pump will deliver up to 1 gpm and develop up to 7 psi. Each pump comes with 1/2" NPSF ports and is available in 12 or 24 vdc. (See page 37)

### Fuel Meters



Mechanical

Electronic

These 3/4" and 1" meters will handle gasoline or diesel and come in mechanical or electronic operation. Models are available to handle flows up to 40 gpm and display the volume of fuel pumped up to 9999.9 gallons. (See page 40)

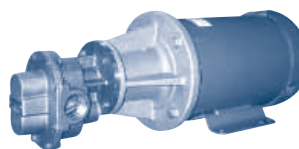
### Manifold Oil Change System



BMX3 Series by Groco

This three-port oil change system utilizes Groco's proven vane pump design to dependably transfer oil from both your engines and generator without a mess! An overpressure relief system is included for pump protection. (See page 34)

### High Flow Diesel Transfer



N1100 Series by Oberdorfer

Oberdorfer's heavy-duty bronze gear pumps are the industries choice for high quality diesel transfer. Flows are available from 1 to 40 gpm in port sizes ranging from 1/4" to 1 1/4" FPT. (See page 39 and 77)

### Hand Operated Fuel Pumps



Fill-Rite

Fill-Rite's self-priming piston and rotary vane pumps will safely handle gasoline or diesel. They will mount on a 55 gallon drum, pick-up truck mounted tank or other containers up to 40" deep. (See page 40)