

## BULK TRANSFER PUMPS

Designed for the transfer of Motor Oil, Gear Oil, Transmission Fluid, Hydraulic Fluid and 100% Antifreeze, these versatile pumps offer flexibility, economy and simplicity. A unique patented gear and rotor design provides for efficient positive displacement pumping. This, in conjunction with a specially designed bypass allows for the transfer of a wide range of fluids up to a viscosity of 3,150 cps. Liquidynamics Bulk Transfer Pumps are designed to automatically minimize current draw by responding to increases

in viscosity by limiting output flow, thus staying within the amperage limitations imposed by 115 VAC power sources. Other configurations available, contact Liquidynamics for more information. Any of the Transfer Pumps below may be fitted with the optional "PowerMaster" control by adding a 'P' suffix to the base number, i.e.; P/N 33280 with PowerMaster becomes P/N 33280P. See page 96 for features and benefits of the PowerMaster control option.



P/N 33280 shown

### Three Speed Bulk Transfer Cart

P/N **33280** and P/N **33280P**

A unique three speed gear box allows this pump to be used over a tremendous range of viscosities ranging up to 3,150 cps. By simply shifting gears you can pump "thin" fluids such as 100% Antifreeze or Hydraulic Oil at 40 GPM, medium viscosity fluids such as 10W30 Motor Oil at 20 GPM or "thick" fluids such as 120 wt Gear Oil at 10 GPM.

The mobile cart is constructed of heavy gauge 1" steel tubing for strength and powder coated for durability. The cart is supplied complete with 2" x 10' suction hose, 1½" x 15' discharge hose, 1½" manual nozzle and 12 ga. x 25' three wire power cord. An integral 2½ gallon drip catch tank stores any drippage from the suction hose, stinger or discharge nozzle and has a convenient drain valve for draining. Cam and grooves are provided on both ends of the suction and discharge hoses for easy removal of hoses and accessories. Dimensions, 24" W x 24" D x 48" H.

### Single Speed Transfer Cart for Medium Viscosities

P/N **33267-20CG** and P/N **33267P-20CG**

This cart system is similar in design and function to P/N 33280 described above, except that it has a single speed gear reduction, which allows pumping of "light" and medium viscosities (max 625 cps) at 20 GPM. It is a more economical solution for applications where the versatility of the three speed gear flexibility is not required.

### High Volume Transfer Cart for Light Viscosities

P/N **33267** and P/N **33267P**

Ideal for high volume transfer of "light" (max 165 cps) viscosities such as 100% Antifreeze, Transmission Fluid, Hydraulic Fluid and Cutting Oils. It is similar in design and function to P/N 33280 described above, except that it does not utilize a gear reduction between the pump and motor, which allows transfer rates of 40 GPM. It is an excellent solution for applications where a fixed gear reduction or the versatility of the three speed gear reduction is not required.

### Medium Viscosity 20 GPM Transfer Cart

P/N **33271** and P/N **33271P**

Designed for transfer of light Oils, Hydraulic Fluid, Transmission Fluid and Antifreeze, this versatile gear pump offers economy, reliability and simplicity. The Bronze construction allows this pump to be used for bulk transfer of pre-mixed antifreeze and other water based fluids up to 165 cps. 'C' face mountings ensure rigid and maintenance free alignment between pump and motor.

The system is equipped with a 1" x 10' suction hose, 1" x 20' discharge hose, ball control nozzle and a 30 mesh inlet strainer. Plumbing is constructed of bronze fittings and schedule 40 bronze piping for maximum compatibility with a wide range of fluids. The sturdy two wheel cart is constructed of heavy gauge 1" powder coated steel tubing and has large 10" pneumatic tires for ease of portability. A rotary on/off switch is provided for pump control along with 25' of 12 gauge, 3 wire power cord. An optional meter may be installed to monitor transfer quantities for inventory control purposes. Dimensions; 24"W x 16"D x 48"H



P/N 33271 shown