METAL ROTARY PUMP

MODELS	FLOWRATE.	CONSTRUCTION
MS25	25LPM	Cast iron, Rubber, PVC
LP32	100LPM	Aluminum, Rubber, PVC, Polyethylene

SAFETY PRECAUTIONS
BEFORE STARTING PUMP:

1. Read operating instructions and instructions supplied with chemicals to be used.
2. Refer to a chemical resistance data chart for compatibility of material in pump with solution to be used.
3. Note temperature and pressure limitations.
4. Personnel operating pump should always wear suitable protective clothing: face mask or goggles, apron and gloves.
5. Ensure that all fittings and connections are properly tightened.

BEFORE CHANGING APPLICATION OR PERFORMING MAINTENANCE:

1. Wear protective clothing as described in Item 4 above.
2. Flush pump thoroughly with a neutralizing solution to prevent possible harm to personnel.
3. Verify compatibility of materials as stated in Item 2 of Safety Precautions above.

MODEL MS25

Description:

Designed for dispensing petroleum fuels, light oils and antifreeze. THIS PUMP IS NOT SATISFACTORY FOR WATER. Its main application is for transferring petroleum products from drums and small tanks. The body is cast iron; rotary blades are aluminum and suction pipe is steel tubing.

1. Thread suction pipe into pump body and tighten.
2. Install handle on pump body and tighten lockscrew.
3. Install discharge hose and hose clamp.
4. Install 2" BSP bung adapter into drum and tighten.
5. Insert pump into bung adapter and tighten lock-screw when suction pipe is clear of drum bottom and when handle is in convenient position.
6. Ground and bond pump and container.
7. Rotate handle clockwise several times to prime.
8. Pump will flow 25LPM @ 60 RPM. Pump will syphon at 18LPM after several turns.

MODEL LP32

Description:

High speed rotary drum pump can empty a 55 gallon drum in 2 minutes. This advanced model pump has increased capacity and must be used for petroleum products only.

1. Slide bung adapter over suction pipe with 2" BSP thread at bottom.
2. Thread suction pipe into pump body and tighten.
3. Install handle on pump body and tighten lockscrew.
4. Install discharge hose and hose clamp.
5. Insert assembly into drum and tighten bung adapter into drum. Tighten lock-screw to pump suction pipe when handle is at convenient position.
6. Ground and bond pump and container.
7. Rotate handle clockwise several times to prime.
8. Pump will flow 100LPM @ 60 RPM.

OPTIONAL ITEMS REQUIRED WHEN PUMPING FLAMMABLE OR COMBUSTIBLE LIQUIDS —

Bonding cable
Grounding cable

See page 2

MODEL MS25

MODEL LP32

GENERAL SAFETY INFORMATION FOR HANDLING FLAMMABLE AND COMBUSTIBLE LIQUIDS:

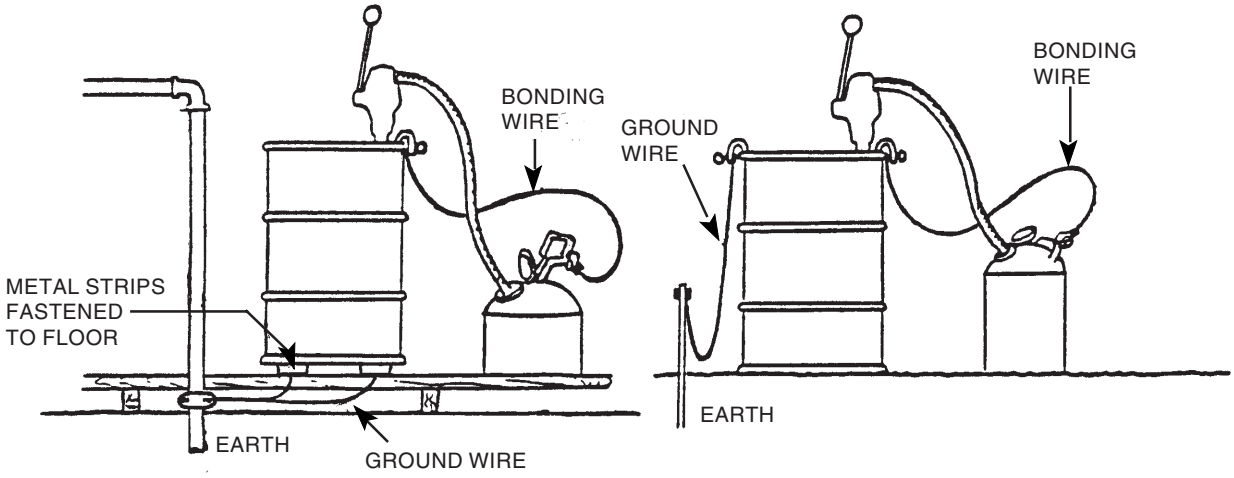
When using a hand pump to fill cans, drums or other portable or fixed containers with flammable or combustible liquids such as gasoline, both the container being pumped from and the container being pumped to must be effectively **BONDED** and **GROUNDED** to prevent discharge of sparks of static electricity which could cause explosion.

BONDING is the electrical interconnection between containers (such as a drum and a receiving can). Bonding must be completed before pumping begins. See diagrams.

GROUNDING is the electrical connection between a container and a "constant ground". A "constant ground" would be a metal pipe or rod in contact with the earth. An underground tank and piping connected to it would be inherently grounded by nature of the installation. See diagrams.

Both **BONDING** and **GROUNDING** of containers of flammable liquids are required under U.S. Gov't. OSHA regulations and National Fire Protection Association Code 77, Static Electricity.

Consult Sales Department for specific liquid handling recommendations.



OPTIONAL ITEMS REQUIRED WHEN PUMPING FLAMMABLE OR COMBUSTIBLE LIQUIDS:

BONDING CABLE 10 feet long with spring clamp at each end. Price Code No. 55-0245.

GROUNDING CABLE 6 feet long, spring clamp one end, spade lug one end. Price Code No. 55-0246.