LIMITED WARRANTY AND LIMITATION OF LIABILITY

Decko Products warrants this product free from material and/or manufacturing defects for one year from date of purchase (90 DAY WARRANTY ON THE IMPELLER). As the sole and exclusive remedy for a breach of this limited warranty, if the product is found by Decko Products to be defective, Decko Products, at its option, will refund the purchase price or replace the product with an equivalent product if it is returned to the place of purchase or returned postpaid to Decko Products, ATTN: Warranty Dept 2301 Traffic St. NE, Minneapolis, MN 55413, with proof of purchase. Any disassembly, modification, or abuse of this product voids this limited warranty. This warranty does not cover product failure resulting from running the pump dry, pumping non-approved chemicals or highly abrasive solutions, normal wear or user abuse.

DECKO PRODUCTS DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IMPORTANT NOTICE: Some commercial and residential insurance policies extend coverage for damages incurred by product failure. In most cases, you will need to have possession of the product to support your claim. In the case where you need to retain possession of the product to support a damage claim you submit to your insurance company, Decko Products will exchange the unit or refund the original price once the claim is settled with the insurer.
NOTE: When pumping flammable liquids, an explosion proof motor is required. NOTE: When using an engine, do not exceed 2000 rpm.

SAFETY
It is highly recommended to purchase or fabricate a motor coupling guard, (Decko Part # 21210). Unguarded motor transmissions are unsafe and may cause personal injury. Keep hands and clothing clear of the motor coupling to avoid personal injury.
PIECE AND HOSE LINES
It is recommended to use the same size pipe or hose as the discharge size of the pump. Suction lines must be airtight, and as straight as possible. If discharge pipe/hose runs are over 50', it is recommended to use one size larger pipe or hose. The discharge size may be reduced when less output is desired but the pump should not be operated against a closed discharge.

TIP: When pumping from sources that contain sediment or debris, drop the suction hose (with a strainer or filter attached) to the bottom of the tank, then, lift it up by about 6 inches BEFORE starting the pump. This keeps unwanted materials from entering the suction line.

FLOW DIRECTION
From the factory, the pump is set up for counter clockwise rotation (from opposite shaft end) as shown in Figure 2. To reverse the direction of the pump, first remove one end plate and impeller. Reinsert the impeller into the housing making sure the blades of the impeller are oriented in the opposite direction. Replace end plate, making sure the gasket is properly aligned. **NOTE:** Make sure your motor is rotating the same direction as the pump.

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### REPLACEMENT PARTS

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### AVAILABLE ACCESSORIES

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INITIAL STARTUP

NOTE: When the pump is new, it may be difficult for the motor to turn the impeller. It is recommended to spray oil or other lubricant in the suction and discharge ports to help lubricate the impeller. The pump will also prime faster and easier if the impeller is wet. Turn the pump shaft (you may need to use a wrench) several turns in the direction the pump will run to loosen and lubricate the impeller. Turn each grease cup one turn to lubricate impeller shaft. Start motor. As soon as water starts flowing the pump is ready for use.

NOTE: If the pump does not prime itself in 30-45 seconds, turn off the motor. DO NOT RUN THE PUMP DRY FOR EXTENDED PERIODS OF TIME AS SEVERE DAMAGE MAY OCCUR. Follow priming tips below.

PRIMING

When in good condition, this pump is noted for its powerful suction. Priming in most cases is not necessary but if the liquid level is below 15’ or if the liquid has a high viscosity you may find it necessary to prime the pump.  

PRIMING TIPS
- Fill the suction line with water to help displace the air in the line.
- Use a check or foot valve to help prevent the liquid from draining out of the suction line.
- Use a “T” fitting (figure 2) on the suction line will make filling the hose/pipe easier.
- Partially restricting the discharge line may help with priming.

LUBRICATION

Turn the grease cups one turn before initial use and one turn for each eight hours of operation. Periodically inspect and re-fill the grease cups. White lithium grease is a good choice as it performs well and is water resistant.

GENERAL OPERATING TIPS
- Keep the pump as close to the water supply as possible.
- Do not let the suction line sit in sand or dirt as these materials will cause rapid wear of the pump.
- Do not pump liquids that exceed 180°F (82°C).
- Do not pump liquids that are rated as unsatisfactory on the chemical resistance chart (pg.7).
- Use an explosion proof motor when pumping flammable liquids.
- Keep hose and pipe runs as short and straight as possible.

TROUBLESHOOTING

If the pump impeller shaft will not turn
1. Make sure the motor is rotating the same direction as the pump.
2. If the pump is new, you may need to turn the impeller by hand to loosen.
3. On new pumps, spray oil or other lubricant in the suction and discharge ports to loosen.
4. Make sure you have a properly sized motor to operate the pump.

If the pump moves little or no water
1. Check for air leaks in the suction line. Make sure all pipe joints are air tight.
2. Check for obstructions in suction and/or discharge lines.
3. Make sure liquid supply is within pumping rage. (Up to 20’ depth)
4. Check impeller for signs of wear. Replace if necessary.
5. Check pump housing for wear. Replace if necessary.

If you have other questions or problems, please contact us at 1-800-495-9278 or at www.decko-usa.com for assistance.

Performances

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Specifications

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