

# RELIABLE EQUIPMENT & SERVICE CO., INC.

## REL-SP2

### 2 INCH SUBMERSIBLE HYDRAULIC PUMP

The **REL-SP2** Submersible Pump is a light weight, efficient way to move large quantities of liquids *FAST*.

#### **No priming required!**

The **REL-SP2** is also able to pump petroleum products.

The **REL-SP2** is able to run all day without seal damage.

2" Compact, lightweight Submersible Pump  
Operate on Open and closed center systems.

X-Long carry handle aids in placement.

High impact strainer housing.

Whip set and flush-face couplers included.

Can run dry without damage.

#### Specifications

Capacity: Up to 275 GPM

Flow Range: 5-8 GPM

Operating Pressure: 1200-2000 PSI

Intake Port: 1 15/16" (49mm)

Discharge Port: 2" NPFT (51mm)

Height: 14" (over handle)

Width: 8-1/2" x 9-1/2" diameter

Weight: 15 lbs.

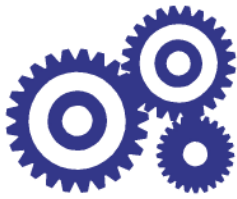


**RELIABLE EQUIPMENT & SERVICE CO., INC.**

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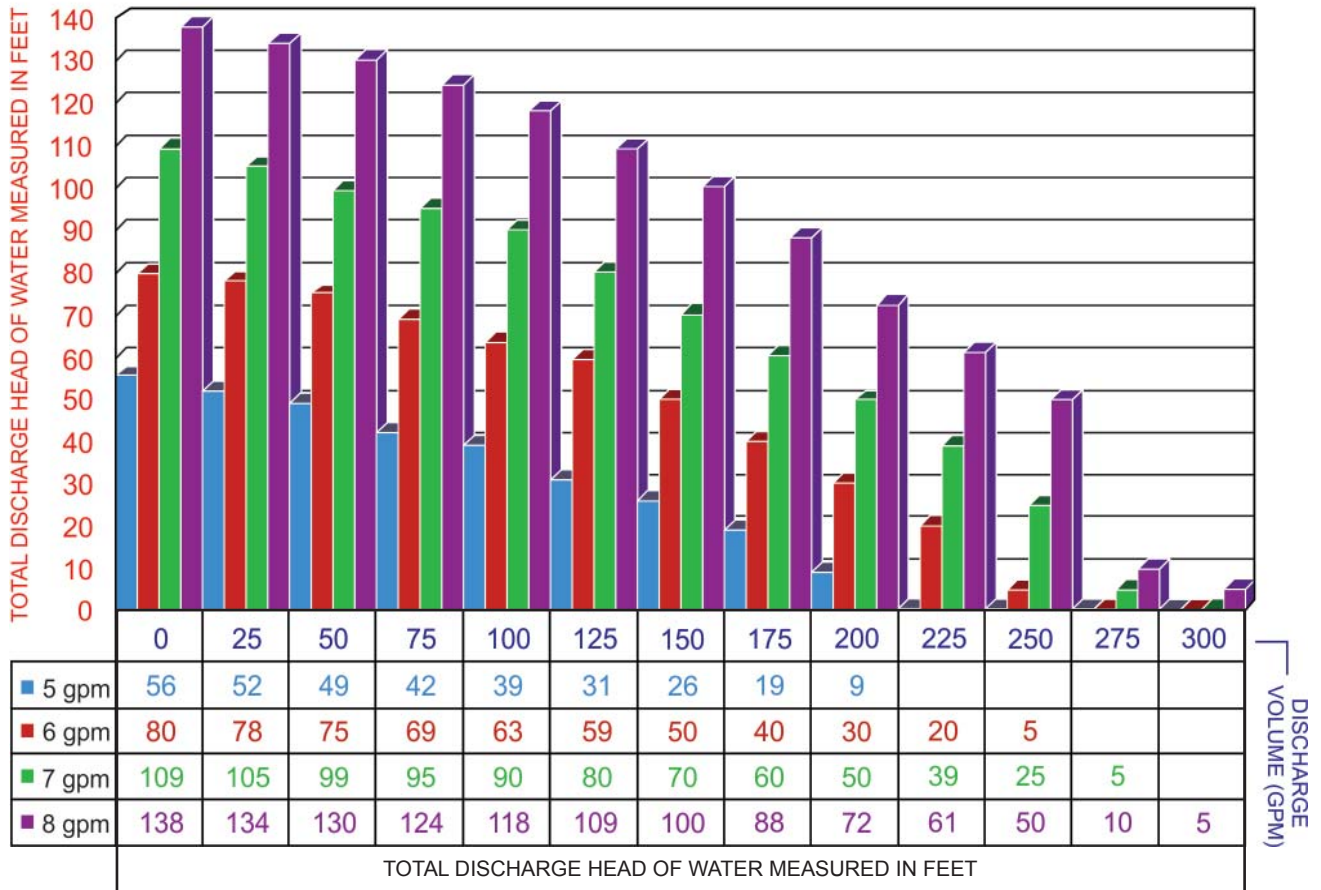


# RELIABLE EQUIPMENT & SERVICE CO., INC.

## REL-SP2

### 2 INCH HYDRAULIC SUBMERSIBLE PUMP

The graph below illustrates discharge volume and head with relation to hydraulic flow.



The test above was conducted using a regulated hydraulic source and a fixed discharge assembly.

Results may vary under field conditions.

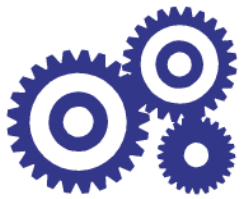
Contact your **RELIABLE** representative for literature about the **REL-HPU-2000** 2,000 psi hydraulic power unit and the **REL-TP3** 3 inch Hydraulic Trash Pump.



## RELIABLE EQUIPMENT

USED WITH CONFIDENCE AROUND THE WORLD

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# RELIABLE EQUIPMENT & SERVICE CO., INC.

## REL-SP3-500

### 3 INCH SUBMERSIBLE HYDRAULIC PUMP

The **REL-SP3** Submersible Pump is a light weight, efficient way to move large quantities of liquids *FAST*.

#### **No priming required!**

The **REL-SP3** is also able to pump petroleum products.

The **REL-SP3** is able to run all day without seal damage.

3" Compact, lightweight Submersible Pump  
Operate on Open and Closed Center systems.

X-Long carry handle aids in placement.

High impact strainer housing.

Whip set and flush-face couplers included.

Can run dry without damage.

#### Specifications

Capacity: Up to 500 GPM

Flow Range: 5-8 GPM

Operating Pressure: 1200-2000 PSI

Intake Port: 1 15/16" (49mm)

Discharge Port: 3" NPFT (51mm)

Height: 19" (over handle)

Width: 9-1/2" x 11-1/2" diameter

Weight: 17 lbs.

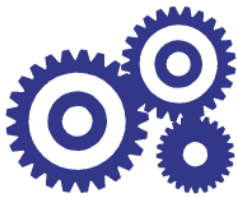


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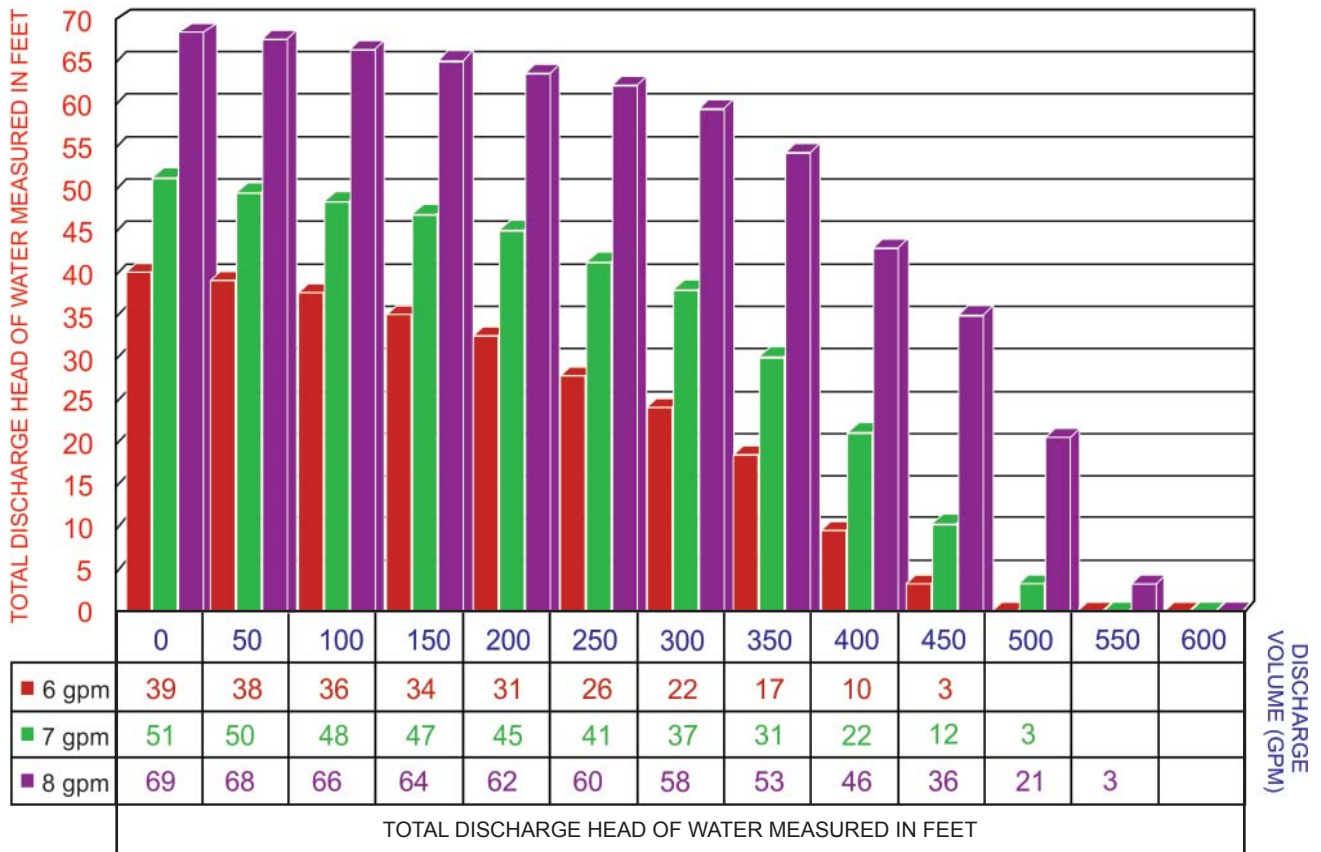


# RELIABLE EQUIPMENT & SERVICE CO., INC.

## REL-SP3

### 3 INCH HYDRAULIC SUBMERSIBLE PUMP

The graph below illustrates discharge volume and head with relation to hydraulic flow.



The test above was conducted using a regulated hydraulic source and a fixed discharge assembly.

Results may vary under field conditions.

Contact your **RELIABLE** representative for literature about the **REL-HPU-2000** 2,000 psi hydraulic power unit and the **REL-TP3** 3 inch Hydraulic Trash Pump.

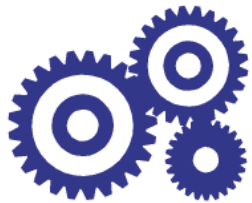


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# RELIABLE EQUIPMENT & SERVICE CO., INC.

## REL-TP3 - 3" Trash Pump



The **RELIABLE REL-TP3** Hydraulic Trash Pump is lightweight, yet capable of moving high volumes of water, and solids (sand slurries, gravel, and sludge) up to 3 inches (75 mm) in diameter and 30% by volume.

The **REL-TP3** pump is fully submersible, self priming, and may be run dry, without damage to the motor, bearings or impeller. These urethane pumps have a history of pumping sand, gravel, concrete, and even mortar slurries without issue. The **REL-TP3** is even able to pump petroleum products without issue.

The urethane bowl and impeller are extremely durable and light weight. Hard and sharp materials bounce off instead of abrading the interior surfaces, making this design last longer and perform better than aluminum, iron and even steel pumps.

The high volume impeller is complimented by a 3" (75 mm) inlet and outlet to make the **REL-TP3** one of the most productive pumps on the market. This unit is capable of pumping over 450 gpm (1,688 lpm) at a 10 ft. (2.54 m) head from any 2,000 psi (HTMA Type II) hydraulic source using only 9 gpm (34 lpm) of hydraulic flow.

The top cover is attached to the volute with six large wing nuts making routine cleaning, inspection and maintenance **FAST & EASY**.

The convenient **Split Handles** provides a well balanced lift.

The **REL-TP3** Trash Pump can be paired with the **REL-HPU-2000** Hydraulic Power Unit to make a **Powerful Portable Combo** for high volume trash pump and dewatering applications.

Consult your local Reliable representative for more "Tooling Solutions" available from

**Reliable Equipment & Service Co., Inc.**

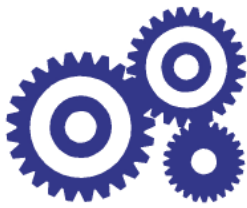
## SPECIFICATIONS

|                             |                              |
|-----------------------------|------------------------------|
| <b>Capacity</b> .....       | 475 gpm (1,800 lpm)          |
| <b>Discharge Dia.</b> ..... | 3 in. (75 mm) Fem Pipe Thd   |
| <b>Inlet Dia.</b> .....     | 3 in. (75 mm)                |
| <b>Pressure</b> .....       | 2,000 psi (140 bar)          |
| <b>Flow</b> .....           | 7-9 gpm (26-34 lpm)          |
| <b>Porting</b> .....        | #10 SAE (pressure)           |
| .....                       | #12 SAE (return)             |
| <b>Connections</b> .....    | 1/2 in. Male Pipe (Pressure) |
| .....                       | 1/2 in. Male Pipe (Return)   |
| <b>Height</b> .....         | 13 in. (33 cm)               |
| <b>Length</b> .....         | 14 in. (35.5 cm)             |
| <b>Width</b> .....          | 16 in. (41 cm)               |
| <b>Weight</b> .....         | 30 lbs (13.6 kg)             |



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# RELIABLE EQUIPMENT & SERVICE CO., INC.

## REL-TP4 - 4" Trash Pump



The **RELIABLE REL-TP4** 4 inch, heavy duty Hydraulic Trash Pump is lightweight, yet capable of moving high volumes of water, and solids (sand slurries, gravel, and sludge) up to 3 inches (75 mm) in diameter.

The **REL-TP4** pump is fully submersible, self priming, and may be run dry, without damage to the motor, bearings or impeller.

The high volume impeller is complimented by a 4" (100 mm) inlet and outlet to make the **REL-TP4** one of the most productive pumps on the market. This unit is capable of pumping over 800 gpm (3,028 lpm) at a 10 ft. (2.54 m) head from any 2,000 psi (HTMA Type II) hydraulic source using only 9 gpm (34 lpm) of hydraulic flow.

The top cover is attached to the volute with six large wing nuts making routine cleaning, inspection and maintenance **FAST & EASY**.

The **REL-TP4** features a steel volute with replaceable polyethylene wear plates, a self lubricating H/D hydraulic motor, and an abrasion resistant cast iron impeller to extend pump life.

The convenient **Split Grip Handle** provides a well balanced lift and protection for the hydraulic components.

Pair the **REL-TP4** Trash Pump with the **REL-HPU-2000** Hydraulic Power Unit to make a **Powerful Portable Combo** for high volume trash pump and dewatering applications.

Consult your local Reliable representative for more "Tooling Solutions" available from **Reliable Equipment & Service Co., Inc.**

## SPECIFICATIONS

|                              |                              |
|------------------------------|------------------------------|
| <b>Capacity</b> .....        | 875 gpm (3312 lpm)           |
| <b>Discharge Dia.</b> .....  | 4 in. (100 mm) Cam Lock      |
| <b>Inlet Dia.</b> .....      | 3 in. (75 mm)                |
| <b>Pressure</b> .....        | 2,000 psi (140 bar)          |
| <b>Flow</b> .....            | 7–10 gpm (26–38 lpm)         |
| <b>Porting</b> .....         | #10 SAE (pressure)           |
| .....                        | #12 SAE (return)             |
| <b>Connections</b> .....     | 1/2 in. Male Pipe (Pressure) |
| .....                        | 1/2 in. Male Pipe (Return)   |
| <b>Height</b> (w/ handle) .. | 19 in. (48.2 cm)             |
| <b>Length</b> .....          | 19 in. (48.3 cm)             |
| <b>Width</b> .....           | 15 in. (38.1 cm)             |
| <b>Weight</b> .....          | 59 lbs (26.8 kg)             |



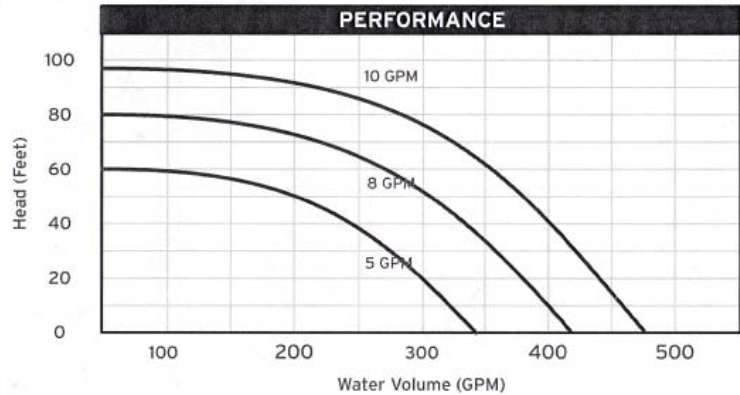
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# HYDRAULIC TRASH PUMP PERFORMANCE



## REL-TP3 3" TRASH PUMP



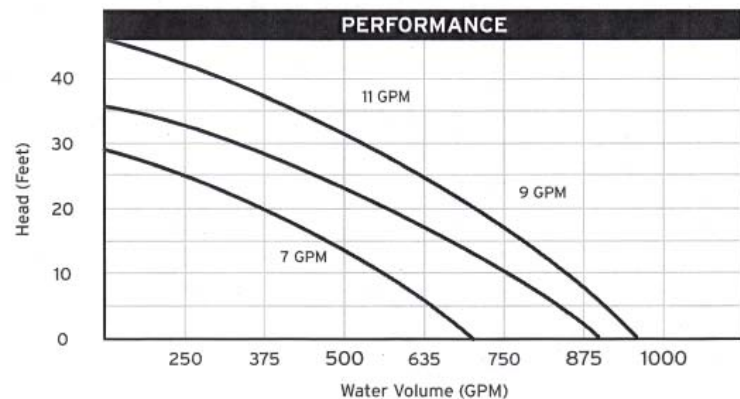
Testing was done in a controlled environment with a fixed discharge assembly using regulated pressures and flows.

Results may vary under field conditions.

**The warranty becomes void if the maximum pressures and flows are exceeded.**

Backpressure should be measured at the tool before being used. Excessive backpressure will damage shaft seal.

## REL-TP4 4" TRASH PUMP



Consult your supervisor, safety personnel, or RELIABLE EQUIPMENT with any questions regarding the safe operation of this tool.