

Lily Pond Products

Division of Glaser Ceramics

www.glaserceramics.com

PORTA PUDDLE & LIL' PUMPER

Model: PP/LPM

Porta Puddle



Pumping Unit For Your Favorite Slip



Lil' Pumper

**Pumping Unit
shown removed**

Portable Submersible Pump & Casting Table

The Lil' Pumper and Porta Puddle are a perfect combination. The Lil' Pumper pumps your favorite slip into the molds on the Porta Puddle. When molds are ready, simply drain the molds directly into the Porta Puddle. The sloped bottom and flow throw spout allows the slip to drain directly into the opening of the Lil' Pumper. No need for additional pour buckets or jars - this combo does the work for you. No mess. The pump gently agitates slip, no air bubbles and the pump strainer helps eliminate lumps. Works great with Ceramic, Porcelain, or Stoneware slip. The Porta Puddle is one piece of molded fiberglass with a one piece hardwood rack. Stores easily when not in use. Products also sold separately.

Lil' Pumper

- 1/3 HP Submersible pump unit
- Non-rusting pump parts
- Long 8' ground cable with switch included
- Flow regulated nozzle, 6' strong plastic hose
- 6 gallon container & lid, store slip in container

Porta Puddle

- Portable size 7"x21"x22", fits most table tops
- Easy drain sloped bottom & flow throw spout
- One piece removable hardwood rack
- Molds stay cleaner and last longer
- 5 year limited warranty

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LIL' PUDDLE & PORTA PUDDLE ASSEMBLY INSTRUCTIONS

Models: LP / PP

Congratulations on your purchase of the Lily Pond Products Puddle Pouring Table Series. We are justifiably proud of our products, not only for the fine materials used, but for their record of long productivity.

**PLEASE READ ALL OF THE INSTRUCTIONS CAREFULLY
BEFORE OPERATING THIS MACHINE!**

Your Lil' Puddle or Porta Puddle has been pre-assembled to save you time and energy. Some parts have been disassembled for shipping purposes. To operate your new Puddle Pour Table, follow these simple steps:

Carton contains:

- 1 molded fiberglass base
- 1 hardwood rack
- 1 detached drain assembly piece
- Wooden Rack Cleaner (included)



ASSEMBLY INSTRUCTIONS:

Attach Drain Pipe.

1. Insert the **detached drain pipe** into the outer hole of the base and shove into the attached drain assembly. This will take some manipulation, but it will go in. Make certain the opening is turned down. *Remember to always have a container under the end of drain to avoid a mess of slip on your work floor.*
2. Place the rack on the top of the Lil' Puddle or Porta Puddle.

OPERATING INSTRUCTIONS:

1. Slip (Ceramic, Stoneware, Porcelain) must be pre-mixed and ready to pour when using your new Lil' Puddle or Porta Puddle.
2. To allow slip to run freely out of your Lil' Puddle or Porta Puddle, set it on an elevated surface with the Drain Pipe hanging over the edge.
3. Place a bucket or container below the Drain Pipe to catch the slip (and avoid large messy puddles!)

Slip should not be stored in your Lil' Puddle or Porta Puddle.

Plugging the Drain Pipe and letting slip accumulate in the bottom will cause the Drain Pipe to clog.

To Clean Lil' Puddle or Porta Puddle.

4. Remove all slip and pour water into drain board allowing water to run out into an appropriate container.
5. Allow water to run out of the drain until the water is clear, then store in a dry area.

Do not use detergents or soap when cleaning your Lil' Puddle or Porta Puddle, this may contaminate your slip.

YOU ARE NOW READY TO GO! GOOD LUCK AND GOOD POURING!

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MIXING SLIP WITH LILYPOND MIXERS FORMULA AND INSTRUCTIONS

Models: Mixers, Big Puddle, Super Puddle

**PLEASE READ ALL OF
THE INSTRUCTIONS
CAREFULLY BEFORE
MIXING SLIP!**

Formula:

Dry Clay Blend	Water	Soda Ash (by weight)	Silicate (by liquid volume)
50 lb. Mix	11 ½ Qt.	½ Oz.	2 Oz.
100 lb. Mix	5 Gal. 3 Qt	1 Oz.	4 Oz.

* One 50 lb. bag or Dry Clay is equivalent to 5 gallons of slip.

* For Big Puddle: It is best to start with 300 lbs. of clay for your first time use. Simply multiply above formula by three.

Procedure for Mixing Slip:

Correct measurements are **very important**.

1. Mix Chemicals (Soda Ash, Silicate) and Water together.
2. Add and mix Dry Clay Blend, one bag at a time.
3. Mix until well blended (10 minutes = 50 lb. bag, 30 minutes = 100 lb. bag). **It is not necessary to overmix your Slip. The enzyme in Slip will start to grow quicker if you allow your Slip to set.** It is difficult for this process to start while your Slip is still moving.
4. Let Slip set overnight to soak. Remix in morning (10 minutes = 50 lb. bag, 20 minutes = 100 lb. bag).
5. Weigh one Liquid Quart. Slip should weigh 56 oz. a quart, minus the weight of the container. This is the correct weight for pouring Ceramic, Porcelain, or Stoneware Slip. **DO NOT ADD ADDITIONAL CHEMICALS.** *If the slip is too heavy, add small amounts of water. If the slip is too light, add small amounts of clay.*

Notes:

- New slip can be mixed on top of old Slip. Not need to empty your mixer to mix slip. Remember you can move the propellers up and down on the shaft by loosening the set screws. Be sure to re-tighten them.
- Slip can stored in your **Heavy Duty Mixer** indefinitely. To keep slip from drying out on top, pour a couple cups of water on each drain board so that water will run down and lay on top of slip. This process keeps air from drying out the Slip. *(This procedure is similar to the one used in preserving jelly by sealing it with wax.)* For the **6 Gallon Mixer**, turn faucet to off position to close. Pour a cup of water on top of your slip and cover with a plastic drop cloth.
- The amount of water you should use will be determined by: 1. The length of time unused, 2. The humidity, and 3. The temperature.

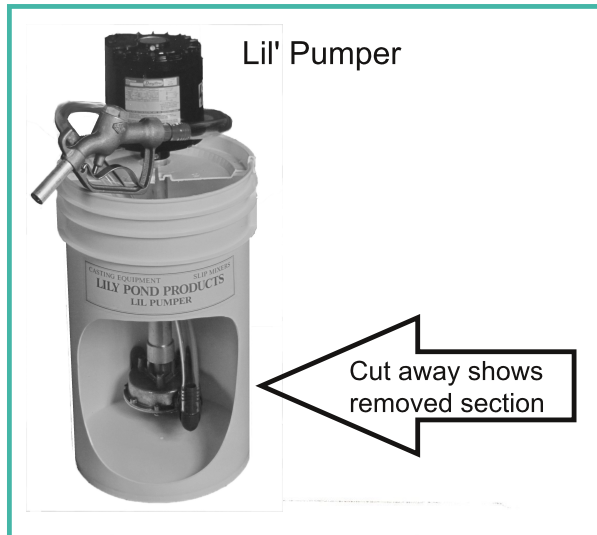
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SUBMERSIBLE PUMP UNIT

Models: 200-SP



	Qty.	Description	Price Ea.
200-1	1	Motor 1/3 Hp.	
200-2	1	Cord W/ Switch	
200-3	3	1/4 n.c. x 1/2 Hex Bolts	
200-4	1	S S Coupler W/ Set Screws	
200-5	1	Connector Tube	
200-6	1	Aluminum Bushing	
100-7	1	Packing	
200-7	1	Pump Case	
200-8	1	Bushing 1" x 3/4"	
100-5	1	Teflon Washer	
200-9	1	Pump Shaft	
200-10	1	Impeller	
200-11	1	Face Plate (Cut)	
200-12	1	Filter Plate	
200-13	3	Screws 1/4 Self Tapping	
100-28	2	#10 Hose Clamp	
200-15	1	3/4 Elbow	
200-16	1	3/4 Clear Hose	
200-17	1	Nozzle	
200-18	1	3/4 Plastic Adaptor	
200-19	1	6 Gal Container	
200-20	1	Lid Half / No Hole	
200-21	1	Lid Half / With Hole	

Submersible
Pumping Unit

