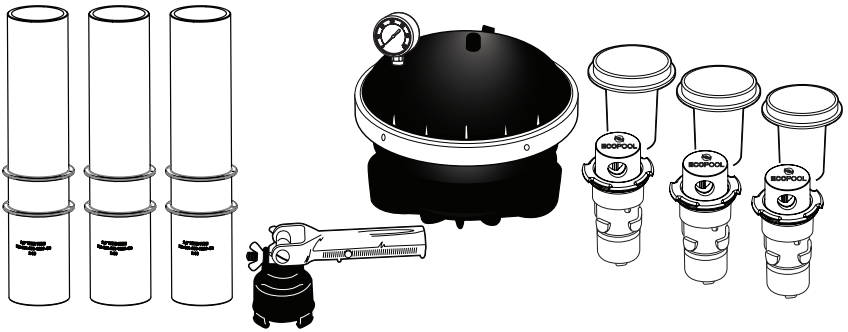


ECO POOL™
IN-FLOOR CIRCULATION

AUTOMATIC IN-FLOOR CIRCULATION SYSTEM
INSTALLATION

Paramount®

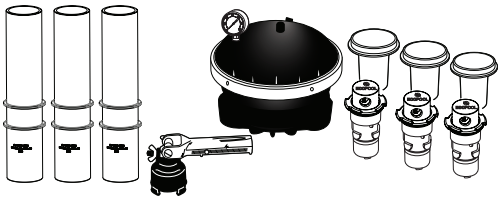
8175 W. Buckeye Rd., Phoenix, AZ 85043
Toll Free: 1.800.621.5886 • Phone: 480.893.7607 • Fax: 480.753.3397
Paramount@1Paramount.com • www.1Paramount.com

Paramount products are designed by Paramount in Phoenix, Arizona, United States of America
004-027-8788-00 R00 ECN_2155 PUB081521

ECOPOOL SMOOTH BODY SYSTEM

Item Number: 006-527-6316-XX
Includes:

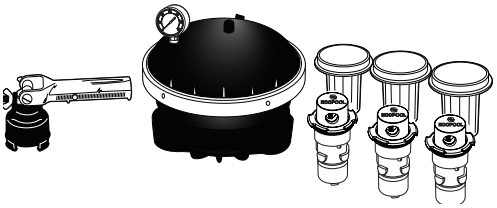
(1)	Two-Port Four-Gear Valve
(3)	Smooth Bodies with Cap
(3)	Nozzles
(3)	Riser Pipes
(1)	Nozzle Tool



ECOPOOL RIBBED BODY SYSTEM

Item Number: 006-527-6315-XX
Includes:

(1)	Two-Port Four-Gear Valve
(3)	Ribbed Bodies with Cap
(3)	Nozzles
(3)	Riser Pipes
(1)	Nozzle Tool



Please indicate your color choice by placing the appropriate color code in place of the “XX" at the end of the part number.

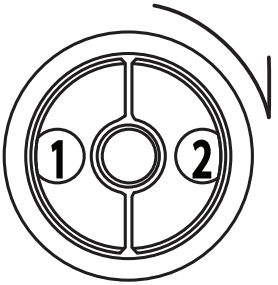
White-01 Gray-02 Black-03 Light Blue-06 Beige-07 Light Gray-08

ECOPOOL EQUIPMENT AND PLUMBING SCHEMATIC

VALVE PLUMBING SCHEMATIC
2 PORT WATER VALVE

1. Floor #1
2. Wall #2

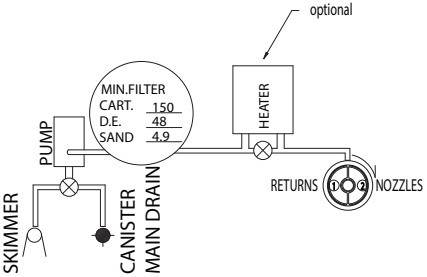
Note: If EcoPool includes SwingJets #2 wall fittings must be 1½" female threaded fittings with no inside restrictions.



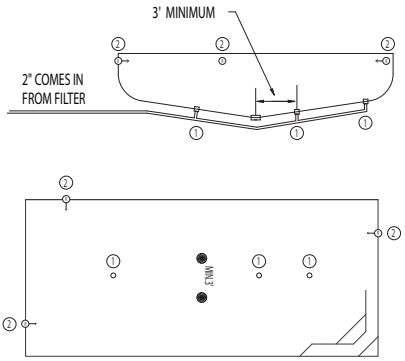
VALVE PLUMBING SCHEMATIC
2 PORT WATER VALVE

Min. Pump Curve
50 GPM @ 60 TDH
Min. Filter Size
36 SQ. FT. DE = 72 GPM
3.1 SQ. FT SAND = 60 GPM
100 SQ. FT. CARTRIDGE = 75 GPM

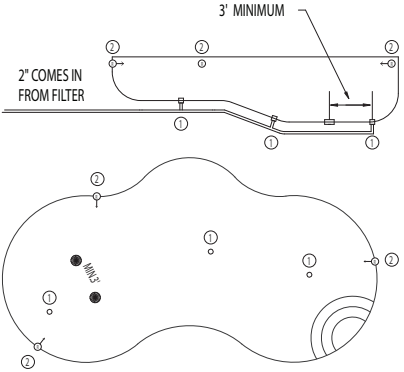
Additional features added to pool equipment such as in-line feeders, water falls, etc., may change the flow requirements. Changes in flow requirements may require a higher GPM pump and larger filtration



CENTER DEEP

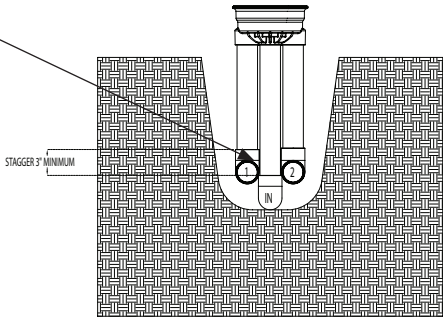


END DEEP



WATER VALVE INSTALLATION

NOTICE: All pipe fittings MUST be staggered.
PARTS NEEDED FOR ASSEMBLY



OPTION ONE

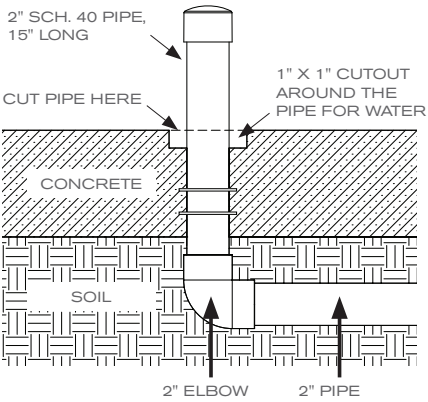
- (2) 2”X15” PVC PIPE (port 1,2)
- (1) 2”X18” PVC PIPE (port inlet)
- (3) 2” SLIP 90° ELBOWS
- Set in trench 15 “ deep X 12” wide

Gluing instructions

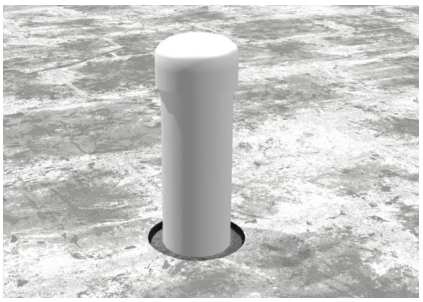
1. Remove clamp
2. Lift off dome (save O-ring)
3. Remove pressure gauge and knob from inside valve housing assembly
4. Pipes and valve base should be treated with primer
5. Make sure pipes are glued all the way into the stop. Be careful not to allow glue to run into module area.*
6. The center port is the inlet to the valve and should be approximately 3” longer than the perimeter pipes.
7. Allow 24 hour before pressure testing
8. Reposition o-ring in groove in the valve base.
9. Replace dome and V-Clamp and tighten until snug
10. Thread the pressure gauge to the top of the dome. Do Not Use Teflon Tape.
11. Pressurize with pool plumbing (do not exceed 35 psi)
12. Store the module assembly in a safe place and install after the pool has been started up.

* Pipes should be a minimum of 12” in length and should insure that valve be at least 6” above water level.

PLUMBING & CONCRETE DETAIL



PLUMBING FOR FLOOR NOZZLES
NOTE: All risers must be 90 degrees (perpendicular) to the finished floor



Gunite or Shotcrete Process
CONCRETE:

1. Make a cutout or opening approximately 1" deep and 1" bigger than the pipe.
2. This cutout will be filled with plaster and create a water stop.

Verify the angle of the risers as it is imperative that the riser angle be 90 degrees from the finished floor angle. Check that the system did not lose pressure prior to shooting the pool and upon completion.

PRE-PLASTER DETAIL | SMOOTH BODY INSTALLATION

NOTICE: You can use regular PVC glue on smooth body

1. Make a cutout or opening approximately 1" deep and 1" bigger than the pipe. This cutout will be filled with plaster or other finish coat to create a water stop.

2. Cut off riser pipes flush with concrete surface.

3. Remove cap. Prime the inside of the pipe. DO NOT PRIME THE BODY.

4. Glue the body into the pipe with a regular PVC glue.

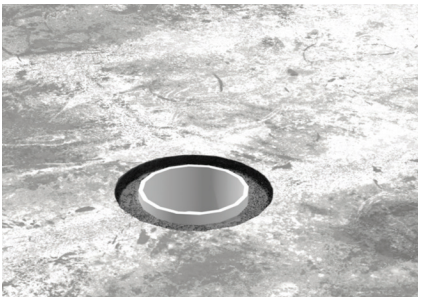
The glue must cover the full length of the body barrel and 3" deep inside the riser pipe. Push the body into the pipe until the shoulder hits the top edge of the pipe.

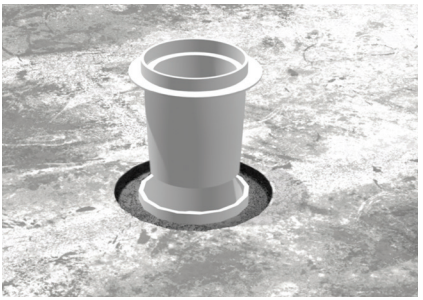
Let fumes vent for 30 minutes then replace all body caps.

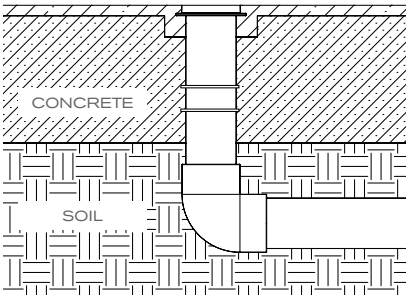
5. PLASTERING THE POOL
   Leave all plaster caps in place for removal at start up.

NOTE: Optional, the plaster crew may remove the plaster caps as they finish.

NOTE: The body does not come with the nozzle installed.







PRE-PLASTER DETAIL | RIBBED BODY INSTALLATION

NOTICE: HEAVY BODY GLUE IS REQUIRED

1. Make a cutout or opening approximately 1" deep and 1" bigger than the pipe.

   This cutout will be filled with plaster or other finish coat to create a water stop.

2. Cut off riser pipes flush with concrete surface.

3. Remove cap. Prime the inside of the pipe.
   DO NOT PRIME THE BODY.
   DO NOT ROTATE THE BODY IN THE PIPE.

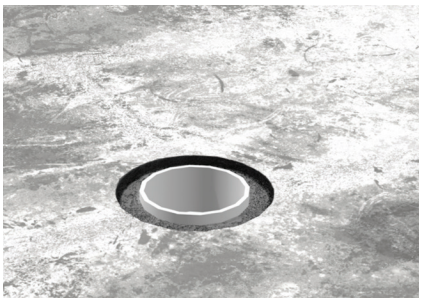
4. Glue the body into the pipe with a **HEAVY BODY PVC SOLVENT CEMENT.**
   The glue must cover the full length of the body barrel and 3" deep inside the riser pipe. Push the body into the pipe until the shoulder hits the top edge of the pipe.

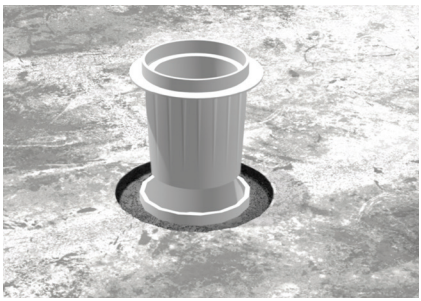
   Let fumes vent for 30 minutes then replace all body caps.

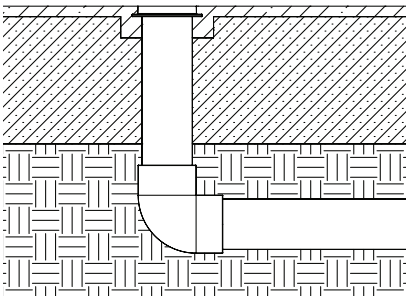
5. PLASTERING THE POOL
   Leave all plaster caps in place for removal at start up.

NOTE: Optional, the plaster crew may remove the plaster caps as they finish.

NOTE: The body does not come with the nozzle installed.







PARAMOUNT MODULE ALIGNMENT GUIDE

TO FUNCTION PROPERLY IT IS IMPERATIVE THAT THE MODULE BE PLACED IN CORRECT ORIENTATION TO THE BASE. TO ENSURE THIS IS DONE, PLEASE FOLLOW THESE INSTRUCTIONS.

1. Look at the top of the Module - Figure 1
2. Locate the Multi port Tube Assembly - Figure 1A
3. Look at the Base - Figure 2
4. One open port is centered between two plugged ports - Figure 2
5. When installed, the ports centered under the Multi port Tube Assembly (Figure 1A) on the Module must be centered over the open ports in the Base - Figure 2A

Figure 1
2-Port Module

Figure 1A
Multi port Tube Assembly

Figure 2
Base

Figure 2A
Ports

If the Module is placed incorrectly, the returns and nozzles in the pool will fire at the same time.

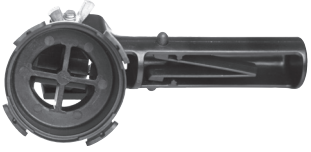
INSTALLING NOZZLE CAPS

1. Select nozzle size from pool plan and using the nozzle tool to twist on caps.

2. Place the nozzle inside the nozzle tool to hold it from spinning as you twist on the cap.

3. Place the cap on the nozzle. It will go on and twist one way.

4. Turn cap clockwise until it snaps into place.



Small Nozzle Tool Part #004-552-5452-00

START-UP CLEANING NOZZLE

System Start Up

1. Before installing nozzles flush all lines by:
   a. Start pump, run for 10 minutes before installing the water valve module.
   b. Install the water valve module and let valve cycle to flush out any debris remaining in each line.

2. Be sure o-ring is pushed all the way up to top flange.

3. Start with nozzle closest to the valve, make sure the red plaster caps have been blown out before installing the nozzles.

4. Snap the nozzle onto the nozzle tool by twisting. Figure 3

5. Install nozzle in body by turning clockwise one-quarter turn. Figure 4

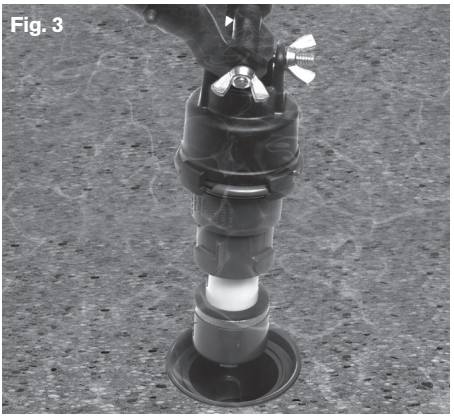


Fig. 3

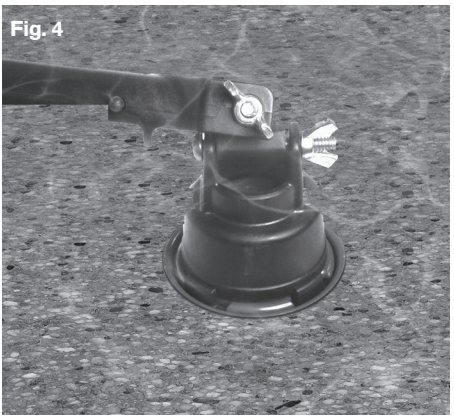


Fig. 4