

PARASKIM V®
VENTURI ENHANCED SKIMMER

PARASKIM®
SKIMMER TECHNOLOGY

SKIMMER FOR CONCRETE POOLS
OWNER'S MANUAL AND INSTALLATION GUIDE

NOTICE

To Installers: Read and follow these instructions. Give these instructions to the facility owner to keep for future reference. Follow all codes and regulations that apply to the design, installation and use of suction outlet fittings.

⚠ WARNING

Paraskim and Paraskim V must be installed in accordance with Paramount's written instruction manual, and in conformity with applicable Federal, State, Local and Swimming pool industry building and safety codes.

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Signal Words and Symbols Used In This Manual

This Owner's Manual and Installation Guide contains specific precautions and symbols to identify safety-related information. You will find DANGER, CAUTION, WARNING and NOTICE symbols which require special attention. Please read them carefully and follow these precautions as indicated! They will explain how to avoid hazards that may endanger you or persons using or maintaining your pool or spa.

⚠ DANGER DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE NOTICE is used to address practices not related to physical injury.

PLEASE REVIEW THE OWNER'S MANUAL AND INSTALLATION GUIDE IN ITS ENTIRETY AND HEED ALL SAFETY INFORMATION. Failure to follow these instructions and warnings can result in DEATH OR SERIOUS INJURY.

SUCTION ENTRAPMENT HAZARD:

⚠ DANGER **DEATH or SERIOUS INJURY will result if a drain cover or grate is not installed and used correctly.**

- Pool and spa pumps produce high levels of suction and move high volumes of water, which can cause death or serious injury if a person comes in close proximity to pool or spa drains.
- Keep clear of pool and spa drains to avoid death or serious injury from suction.

⚠ DANGER **DEATH** or **SERIOUS INJURY** will result from **hair entanglement or limb entrapment.**

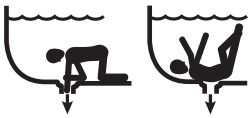


- Keep clear of pool and spa drains.
- Hair sucked into pool or spa drains will tangle and knot trapping the swimmer underwater. Avoid placing your hair near a pool or spa drain.
- Avoid sitting on pool or spa drains because the suction can cause severe intestinal damage, evisceration, and/or disembowelment.

⚠ DANGER **DEATH** or **SERIOUS INJURY** will result from pool or spa drain covers or grates that are improperly installed, missing, clogged, or broken.

- Inspect pool and spa before each use to ensure that drain covers and grates are properly in place and secured.
- Ensure that drain covers are not damaged, cracked, broken, loose, clogged, not properly secured, or missing because these conditions increase the chance of death or serious injury from entrapment.
- If a drain cover is discovered damaged, cracked, broken, loose, clogged, not properly secured, or missing, you should:
  - Close the pool or spa immediately; and,
  - Post a closure notice and keep the pool or spa closed until an appropriate ANSI/APSP -16-2011 certified drain cover is properly installed.

⚠ DANGER



DEATH or **SERIOUS INJURY** will result from contact with a damaged, loose, or missing drain cover.

- Do not allow limbs to contact or be inserted into a drain pipe with a damaged, loose, or missing drain cover. This could result in swelling of the limb and/or trapping a swimmer underwater.
- Avoid mechanical entrapment of jewelry, swimsuit, hair decorations, finger, toe, or knuckle in a drain pipe with damaged, loose, or missing drain cover. This may result in trapping a swimmer underwater.
- Do not allow body to come into contact with a drain pipe that has a damaged, loose, or missing drain cover. This may result in trapping a swimmer underwater.

MAINTENANCE INSTRUCTIONS & WARNINGS:

⚠ WARNING

DEATH or **SERIOUS INJURY** can result from pool or spa drain covers or grates that are clogged by debris.

- All pool and spa drain covers may become obstructed by debris and should be cleaned periodically due to clogging from debris, such as pieces of plastic, hair, fabric, twigs, leaves, seeds, etc.
- The frequency of periodic cleaning will vary depending on the amount and type of debris introduced into the pool or spa
- Clogging of the drain cover will increase the suction effect and increase the likelihood of death or serious injury from those hazards listed above.
- A clogged drain can negatively affect the safety of the drain.
- It is advisable to have a qualified pool or spa professional perform this inspection and debris removal from the pool an spa drain covers.

⚠ WARNING

Suction can pose a serious hazard to swimmers just as electricity can be a hazard. Both are important for proper water filtration and both must be treated with respect. Suction safety begins with a professional design that includes a quality suction system installed by a certified contractor.

Certified builders will address the following issues when designing and installing a proper filtration system:

- Properly bond-grounded pumps, time clocks, switches and any other metal in or near water. This is required to address Electrical Shock Hazards.
- Design the suction piping so there are no single-point suction hazards; single-point suction (one drain) is a leading cause of Body Suction Entrapment Hazards. Note: your certified builder has many effective options for addressing this hazard; they may include dual-drain systems, like MDX-R3, skimmers, gutters, negative edge features and many more products and piping designs known to professionals.
- Install ANSI/APSP - 16 - 2011 listed drains, suction covers and debris removal systems. This is the ONLY approved option for preventing Hair Entrapment Hazards, the leading cause of suction related injuries.
- Design and install an effective circulation system (including optional cleaning systems), to direct filtered water to all areas and interior surfaces. NOTE: Suction fittings can NOT clean or direct filtered water for proper sanitation; that can only be done on the pressure (return) side of the filtration system.

While suction injuries are extremely rare, drowning and diving injuries are far too common and there is little your certified builder can do to eliminate these hazards. You must educate yourself and your guests. Below are some important safety issues every swimmer must know and recognize.

⚠ WARNING

- PREVENT DROWNING: Watch children at all times, no swimming alone.
- NO DIVING IN SHALLOW WATER: You can be permanently injured.
- PREVENT SUCTION ENTRAPMENT: Inspect suction covers before swimming, keep swimmers away from suction fittings, protect long hair, don't swim with loose clothing or large and dangling jewelry.

For more information about the Virginia Graeme Baker Pool and Spa Safety Act, contact the Consumer Product Safety Commission at (301) 504-7908 or visit www.cpsc.gov.

⚠ WARNING

Always turn off all power to the pool pump before installing the cover or working on any suction outlet.

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PARASKIM OVERVIEW

NOTICE

Installation must comply with all current applicable codes, including NSF Standard 50 (if required). Equalizer lines may be required on public pool or commercial pool installations.

1. For commercial installations use one skimmer per 500 square feet of pool surface area. Suction line sizes are based on a water velocity of less than six feet per second. Since building codes vary, check your local building code before installing pool and skimmers.
2. Suction line sizes for each section of piping must allow for the total number of skimmers feeding that section of the line.
3. For good hydraulic balance, divide skimmers as equally as possible between the main branches of the piping layout. Optionally run each skimmer back individually to the equipment pad and valve each line so they can be adjusted.
4. For long pipe runs (in which friction can reduce flow and pressure), refer to a friction/flow chart for proper pipe sizes.
5. When planning location of skimmers on one- and two-skimmer outdoor pools, locate skimmers so that the prevailing wind blows into the skimmers.
6. Paraskim will take up to 100 gpm over the weir without cavitation. 60 gpm with 2" direct suction, 90 gpm with immediate transition up to 2½" pipe. Plus venturi generated flow.

GENERAL INSTALLATION INSTRUCTIONS

Paraskim™ Venturi Skimmer (Gunite/Concrete) Installation (For skimmer dimensions, see page 18)
NOTICE: When the skimmer is formed into the concrete shell of the pool it **MUST** be surrounded by at least 4" of structural concrete in a monolithic pour, using a cold joint as shown in installation drawings (Fig. 1).
CAUTION: Plastic solvent cements and primers can be flammable, poisonous, or both. Closely follow solvent cement manufacturer's instructions when using solvent cement.
CAUTION: In residential installations where equalizers are not required and where the main drain lines do not connect to the skimmer equalizer port, low water levels in the pool, spa, or hot tub or clogged skimmer baskets may damage the pump due to loss of prime (if skimmer pulls air) or cavitation (if skimmer clogs). Air pulled in by skimmer(s) can be trapped in filter tanks, which may be a safety hazard. If skimmer regularly vortexes or sucks air, raise water level or contact your pool service representative for advice.

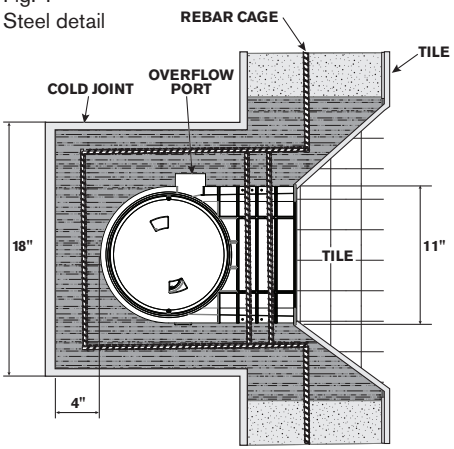
1. For optimum skimmer functionality, the skimmer should be placed relative to the prevailing wind and water flow direction.
2. Assemble piping and pipe fittings to skimmer. All piping must conform to current local and state plumbing and sanitary codes.
3. Long pipe runs and elbows restrict water flow. For best efficiency, use the fewest possible fitting and 2" pipe for 2" skimmers). Using sweep 90˚ fittings or two 45˚ fittings in place of a single 90 is more efficient.
4. For pressure testing seal off any used ports.

NOTICE

Over tightening the threaded plugs may result in failure of the plug or the skimmer body and will not be covered under the terms of the Limited Warranty. **DO NOT** use tapered metal plugs as this will void manufacturer's warranty.
DO NOT use "Rector Seal" or other thread paste intended for gas pipe installations as this will attack the plastic and cause failure of the skimmer body and will not be covered under the terms of the Limited Warranty.

5. Support skimmer securely in position. Unused ports may be used to install a standpipe for the skimmer to rest on or skimmer may be tied to steel cage. The deck ring collar has a friction fit that allows 3½" of vertical adjustment. Additional collars may be stacked upon each other to accommodate desk height as needed.
6. Ensure piping is adequately supported on undisturbed earth. If additional backfilled and tamping is necessary, do not stress pipe or skimmer port by lifting or moving pipe after skimmer port connections have been made.
7. Structural gunite/concrete should be applied in a monolithic pour, in conjunction with a cold joint as shown in Fig. 1.
8. Optional Overflow Line – Using a 1½" hole saw drill out the overflow port at side top of skimmer to install overflow line. Plumb with a 1½" or 2" (2" pipe requires coupler) properly sloped line so that water flows away from the pool to desired point of discharge.

Fig. 1
Steel detail



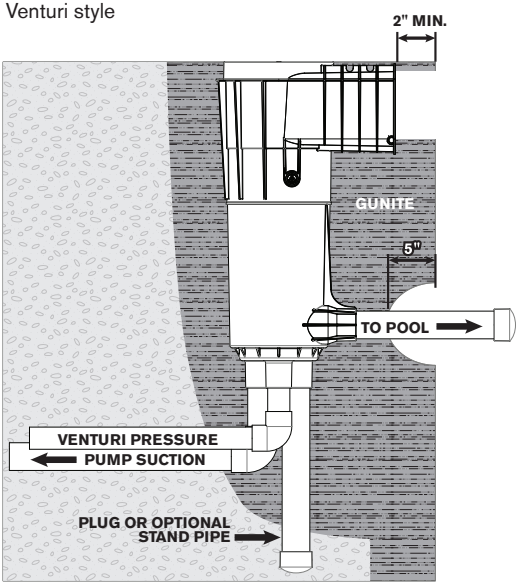
PARASKIM V VENTURI STYLE PLUMBING

Skimmer bottom is PVC plastic. Suction outlet connections are 2" slip. The venturi inlet feed connection is 1½" slip. For slip connections, apply PVC primer to both PVC pipe and socket connections. Then apply PVC solvent cement to both pipe and socket connections. Consult solvent cement manufacturer for correct solvent cement for pipe used. Assemble joint per cement manufacturer's instructions. Allow at least three (3) hours before pressure testing.

PLUMBING: Venturi Style, Fig. 2

1. Set the venturi skimmer level as you would install a conventional skimmer. The skimmer face must be set a minimum 2" back from the interior of the concrete shell.
2. **Optional SUCTION LINE** – If used the bottom suction line from the skimmer to the pump inlet must be plumbed with 2" Schedule 40 PVC. Plug the external 2" port of the unused 2nd bottom 2" suction line. If unused plug both bottom 2" ports.
3. **RETURN VENTURI LINE** - Water is directed to the venturi nozzle in the skimmer by installing a 1½" schedule 40 PVC valve controlled line from the return manifold to the bottom 1½" port of the skimmer. This valve is set during normal operation of the skimmer to use about 8-10 GPM through the Dual-venturi nozzle.

Fig. 2
Venturi style



NOTICE

Pool/Spa Installation
Be sure to plumb the venturi line control valve on the pool return line side of a pool/spa installation. Failure to do so will cause the spa to drain.

NOTICE

Pool only installation.
Always plumb the venturi line control valve immediately after the filter unless there is an Ultra UV2 on the system. The venturi line control valve must be plumbed after the Ultra UV2, which is plumbed after the filter.

4. **VENTURI POOL RETURN** - Glue an 18" length of 2" Schedule 40 PVC into the side front discharge port of the skimmer and cap the end to prevent gunite from entering. **Do not reduce the venturi pool return line.**

NOTICE

If a DE Filter is used on this system, the venturi pressure line valve must be closed while charging the filter with DE through the venturi skimmer and a suction line must be run to the filter pump. Failure to close this valve will result in DE being blow out into the pool.

OPTIONAL VENTURI OZONE FEED LINE

Requires optional kit part #005-702-0002-00 page 17

1. The ¾" side port on the skimmer will need to be drilled with a 5/8" bit and the tube adapter fitting installed in the end of the pipe before it is connected to the skimmer socket Fig. 4.

2. Plumb a loop in the ¾" line above water level and then back down before crossing yard to the equipment to avoid this line filling with water Fig. 3

3. Run a ¾" schedule 40 PVC line from the end of the loop back to the pool equipment and stub up for later use to connect the ozone generator for injection of ozone to the skimmer.

4. To pressure test the ozone feed pipe, install the provided 1/4" NPT plug. Connect stand pipe at equipment to header.

Fig. 3
Optional ozone feed line

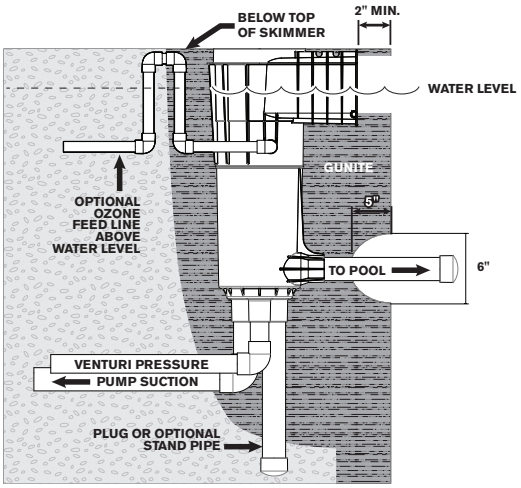
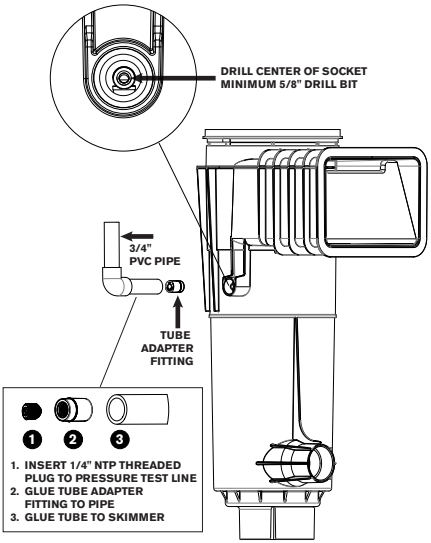
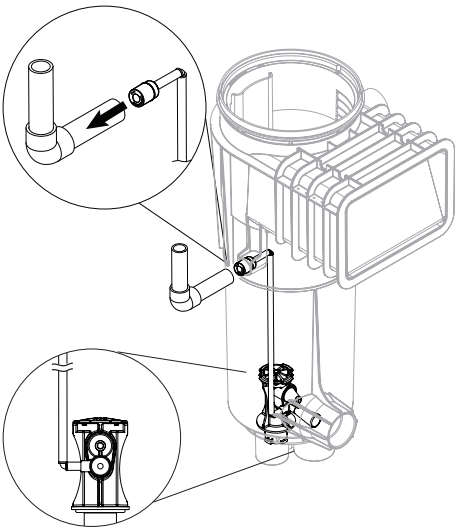


Fig. 4
Optional feed tubing kit





PARASKIM NON-VENTURI STYLE PLUMBING

PLUMBING: NON-Venturi – Direct Suction Connections

1. Set the skimmer level as you would install a conventional skimmer. The skimmer face must be set a minimum 2" back from the interior of the concrete shell.
2. **SUCTION LINE** – Fig. 5. Plumb the rear bottom suction port with 2" Schedule 40 PVC from the skimmer to the pump inlet. Plug the unused 2nd bottom 2" suction line or see optional uses in step 4 or 5.
3. **RETURN VENTURI LINE** – Plug this 2" line in the external 2" port. This port is only used as a venturi return line.

⚠ WARNING

Do not use this port for any other connection.

4. **Optional SKIMMER EQUALIZER LINE** - Fig. 6. If a equalizer line is required plumb the front bottom 2" port with an 18" length of 2" Schedule 40 PVC and cap the end to prevent gunite from entering. **An optional float valve assembly will be needed for this option. Float valve purchased separately. Install an equalizer fitting that conforms to ANSI/APSP-16.**
5. **Optional MAIN DRAIN LINE** – Fig. 7. (Do not use this option if the pool has an in-floor cleaning system.) If a floor "Main Drain" is plumbed to the skimmer plumb the front bottom 2" port to a minimum of two floor "main drains" sized with an appropriate flow rating to match the maximum possible system flow based on a proper hydraulic calculation.

NOTICE

An optional float valve assembly will be needed for this option. Float valve purchased separately. Pentair #08650-0017

Fig. 5
Optional second suction

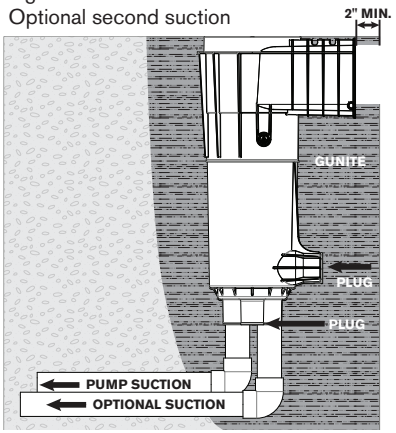


Fig. 6
Optional equalizer line

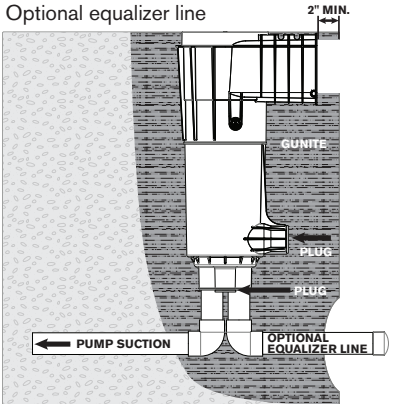
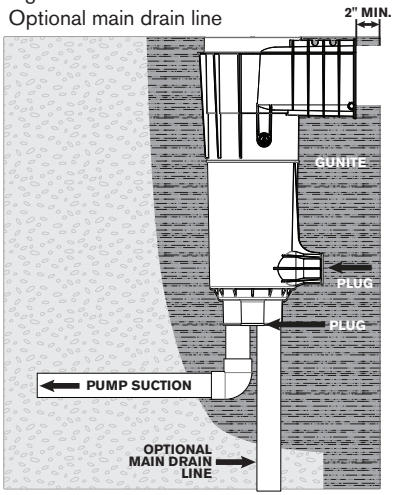


Fig. 7
Optional main drain line



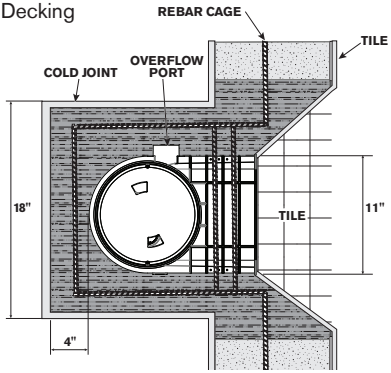
PRESSURE TEST

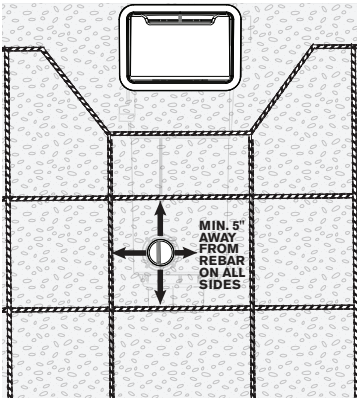
PRESSURE TESTING: DO NOT USE THREAD SEALANT OF ANY TYPE OR METAL PLUGS USE A PLASTIC NPT PLUG OR NIPPLE STAND PIPE.
To pressure test the 1½" line from the equipment to the skimmer. Plug the inlet fitting on the inside of the skimmer. Plug the used suction port(s) in the bottom of the skimmer so that the suction line(s) can be pressure tested at the same time.
DO NOT OVER-TIGHTEN THESE PLUGS! DO NOT USE A PETROLEUM BASED LUBRICANT!

STEEL

Required by local building codes.
Wrap the skimmer in a rebar cage using the notches on top of the skimmer to tie the skimmer to the rebar cage of the pool Fig. 8.

Fig. 8
Decking





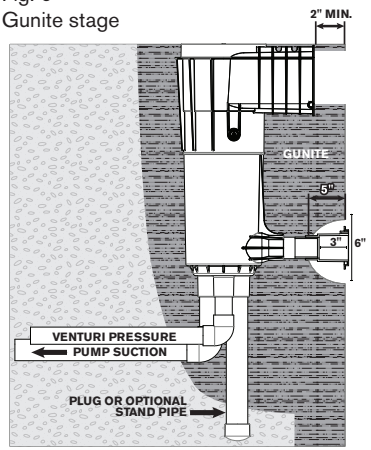
GUNITE AND FINISHING

1. During gunite phase of construction make a 5" deep by 6" cutout in the concrete face around the 2" skimmer venturi return line Fig. 9.
2. Before plastering or applying the finish to the pool, cut the 2" return line 3" behind the gunite surface and glue the return guard fitting to the 2" pipe so it will be flush with the interior surface.

NOTICE Use only the supplied return guard

⚠ WARNING **FAILURE TO INSTALL THE RETURN GUARD FITTING AND RETURN GUARD COVER CAN RESULT IN SERIOUS INJURY OR DEATH.**

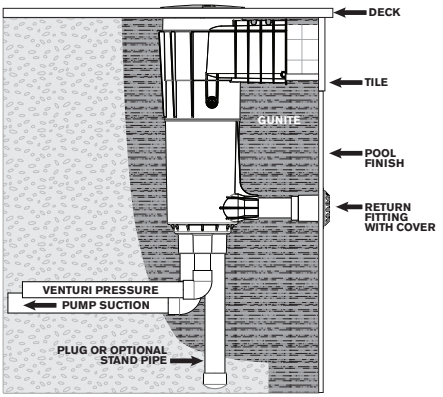
Fig. 9
Gunite stage



3. After the interior finish is applied, attach the return guard cover using the 3 screws supplied. Fig. 10.
4. After the pool is filled and is ready for startup remove all pressure test plugs.
5. Start the pumps and so water flow can clean out all lines before installing the dual pressure nozzle.
6. Remove the adjustable deck ring and cut away with a pair of side cutters or hack saw blade the extra deck ring slats that protrude down and block the skimmer throat. The throat should be completely open when the deck ring is set at desired deck thickness Fig. 11.

⚠ WARNING **FAILURE TO INSTALL THE RETURN GUARD FITTING AND RETURN GUARD COVER CAN RESULT IN SERIOUS INJURY OR DEATH.**

Fig. 10
Gunite stage



Attach return guard (standard)
#005-702-9205-XX

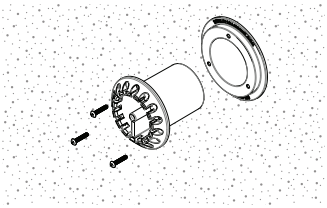
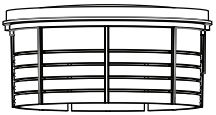
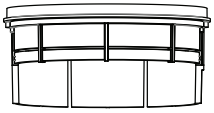
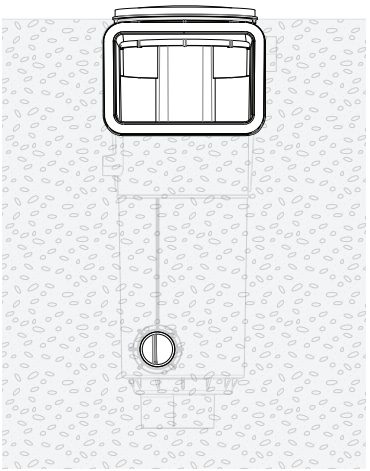


Fig. 11
Cut off desired amount from the adjustable deck ring and replace back into skimmer





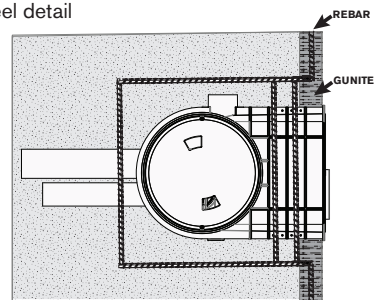


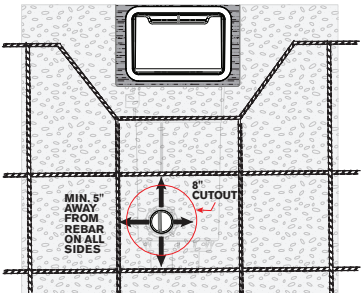
FLUSH MOUNT INSTRUCTIONS - STEEL

NOTICE THIS INSTALLATION METHOD REQUIRE THE USE OF THE RETURN GUARD FLUSH MOUNT FITTING #005-702-9210-XX.

Use rebar steel as required by local building codes.
The notches on top of the skimmer may be used to tie the skimmer to the rebar cage of the pool.

Fig. 1
Steel detail





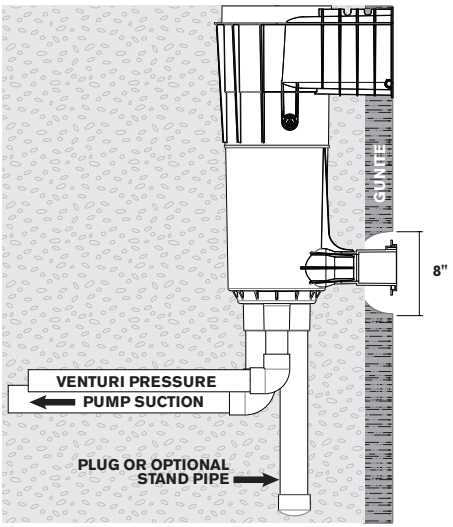
FLUSH MOUNT PARASKIM V VENTURI STYLE PLUMBING

SPIGOT RETURN GUARD BODY (use for less than 1½" skimmer set back.)
Skimmer bottom is PVC plastic. Suction outlet connections are 2" slip. The venturi inlet feed connection is 1½" slip. For slip connections, apply PVC primer to both PVC pipe and socket connections. Then apply PVC solvent cement to both pipe and socket connections. Consult solvent cement manufacturer for correct solvent cement for pipe used. Assemble joint per cement manufacturer's instructions. Allow at least three (3) hours before pressure testing.

PLUMBING: Venturi Style, Fig. 2

1. Set the venturi skimmer level as you would install a conventional skimmer. The skimmer face may be set within minimum 1½" from the interior of the concrete shell. **OPTIONAL**: The skimmer may be set after the concrete shell is shot. Notch the concrete at the top of the pool wall where skimmer is to be set and cut a 8" diameter hole for the venturi return guard to come through the shell.
2. **Optional SUCTION LINE** – If used the bottom suction line from the skimmer to the pump inlet must be plumbed with 2" Schedule 40 PVC. Plug the external 2" port of the unused 2nd bottom 2" suction line. If unused plug both bottom 2" ports.
3. **RETURN VENTURI LINE** - Water is directed to the venturi nozzle in the skimmer by installing a 1½" schedule 40 PVC valve controlled line from the return manifold to the bottom 1½" port of the skimmer. This valve is set during normal operation of the skimmer to use about 8-10 GPM through the Dual-venturi nozzle.
4. **VENTURI POOL RETURN** - Glue the spigot return guard body directly into the side front discharge port of the skimmer. **The spigot may need to be trimmed before gluing so that it ends up flush with the final interior finish when applied. Do not reduce the venturi pool return line.**

Fig. 2
Venturi style: Skimmer may be set back a maximum of 1½" for this fitting to align with interior surface. If desired, set back is greater than 1½" use standard fitting and refer to complete manual.



FLUSH MOUNT GUNITE AND FINISHING

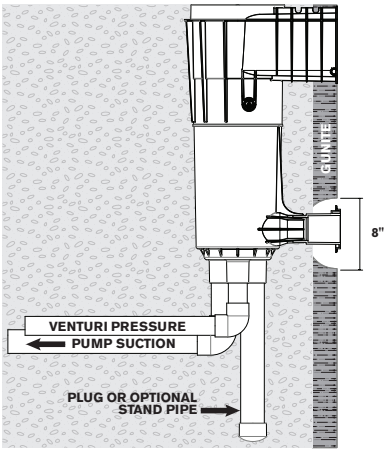
1. During gunite phase of construction make an 8" diameter cutout through the concrete shell for the skimmer venturi return line to protrude through the shell and be flush with the interior surface. Fig. 9.
2. Before plastering or applying the finish to the pool, pack hydraulic cement around the fitting and skimmer throat to plug the hole.

NOTICE Use only the flush mount return guard

⚠ WARNING **FAILURE TO INSTALL THE RETURN GUARD FITTING AND RETURN GUARD COVER CAN RESULT IN SERIOUS INJURY OR DEATH.**

3. After the interior finish is applied, attach the return guard cover using the 3 screws supplied. Fig. 10.

Fig. 9
Gunite stage



Attach return guard (flush mount)

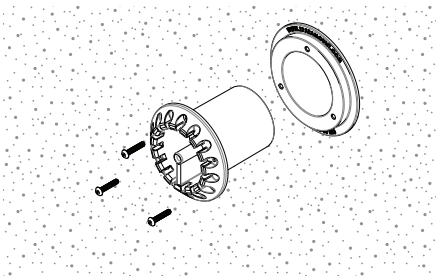
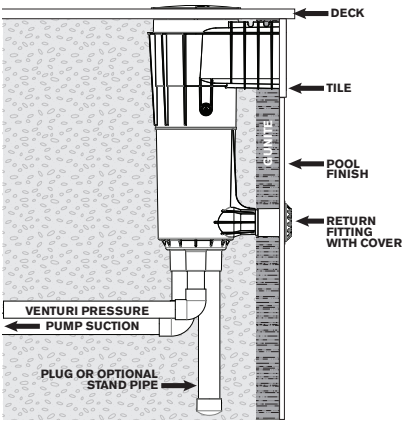
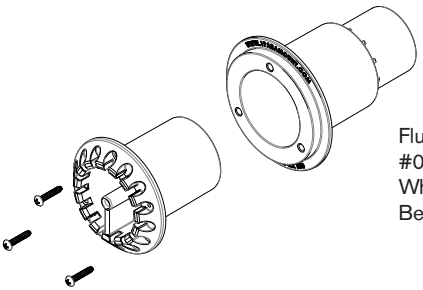


Fig. 10
Gunite stage



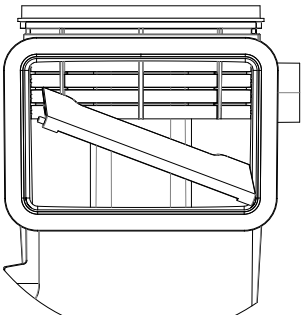


Flush Mount Return guard assembly
#005-702-9210-XX
White - 01, Gray - 02, Black - 03, Lt. Blue - 06,
Beige - 07, Lt. Gray - 08

OPERATION STANDARD SKIMMER

1. Install the weir door in the throat of the skimmer so that the spring loaded hinge pins pivot freely in the holes in the side of the throat allowing the weir door to move up and down with the water level Fig. 12.
2. Remove plugs
3. Install basket
4. Turn pump on and set control valves to desired flow to skimmer(s)

Fig. 12
Install weir door



OPERATION VENTURI SKIMMER

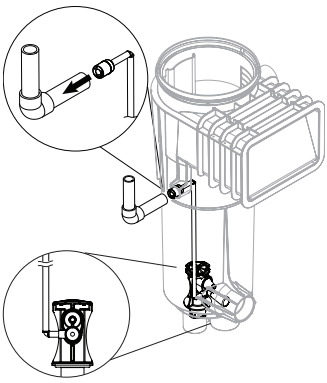
1. Complete steps 1-4 above before proceeding.
2. After running water through return line to clear any construction debris from the line install the dual pressure nozzle in the venturi return line with the bayonet lugs by inserting and turning ¼ turn. Make sure the O-ring is in place or you may hear a squeal during operation. The pressure nozzles should face directly into the return port to the pool when twisted completely to the stop. Open the valve at the plumbing manifold fully. There is no further adjustment required.

NOTICE

DO NOT GLUE THE DUAL PRESSURE NOZZLE INTO THE FITTING! This must remain unglued so that it can be removed for cleaning or replacement and a threaded plug can be threaded into the bottom port in the event that winterizing is necessary.

3. The venturi skimmer may be operated simultaneously with the normal skimmer functioning or the suction from the pump may be shut off or not installed allowing only venturi powered skimming action taking place. Either way, a much stronger skimming action will result when compared to a standard skimmer. **NOTE: THE INSTALLED VALVE CONTROLLING THE SUCTION SHOULD BE LEFT SLIGHTLY OPEN. THERE ARE OCCASIONS WHEN THE PUMP MAY BE "STARVED" WHEN 100% OF THE SUCTION IS COMING THROUGH THE MAIN DRAINS ONLY.**
4. If a D.E. Filter is installed one suction line is plumbed to at least one skimmer in the pool. This line only needs to be opened when charging the filter with D.E. Note: **The venturi dual pressure nozzle valve must be closed and off while charging the D.E. or it will be blown out into the pool.**
5. **At start up with optional ozone venturi feed line.** Before installing the dual pressure nozzle in the skimmer venturi return line, insert the short end of the tubing kit into the side of the dual nozzle assembly. Insert the dual nozzle into the skimmer then plug the long end of the tubing kit into the port on the side of the skimmer below the basket rim. Fig. 13

Fig. 13
Optional ozone venturi feed line



OPTIONAL EQUALIZER VALVE & FLOAT VALVE INSTALLATION

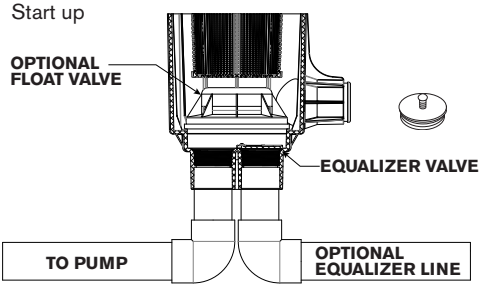
SOMETIMES REQUIRED ON COMMERCIAL POOLS.

⚠ DANGER DEATH or SERIOUS INJURY will result if this product is not installed and used correctly.

OPTIONAL EQUALIZER VALVE INSTALLATION Fig. 14

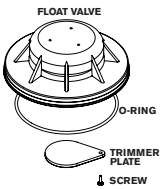
1. Ensure the O-ring is in the retainer groove of the equalizer valve (Pentair part #08655-0017) that comes with the float valve. Check for operation of the equalizer mechanism.
2. Install equalizer valve by threading valve into the skimmer equalizer line port as shown.
3. Be sure that pump port in bottom of skimmer is not blocked by trimmer plate and that the trimmer plate on the bottom of the float valve is moved as far as possible to the side of the valve.

Fig. 14
Start up



OPTIONAL FLOAT VALVE INSTALLATION
(Pentair part #08650-0079)

1. Install the adapter ring on the ledge near the bottom of the skimmer.
2. Place float valve into bottom of skimmer. Press to seat the O-ring in place.
3. To increase water flow through the valve, slide the trimmer plate to uncover the hole in the bottom of the valve. To decrease flow, slide the trimmer plate to cover the hole in the bottom of the valve.



OPERATION

When the water level drops below the weir of the skimmer, the water level in the skimmer will drop until the float valve closes. The equalizer valve will open at this time, allowing water to flow to the pump from the equalizer line. After the pump has been turned off, and the water level is raised to the appropriate level for good skimming action, the equalizer valve will close and the float valve will automatically open. Normal operation will resume when the pump is turned back on.

MAINTENANCE & WINTERIZING

- **Weir:** Periodically check weir for free operation. Replace if damaged or worn.
- **Strainer Basket:** Check strainer basket every few days for accumulated leaves, debris, etc. Empty basket and flush optional fine mesh bag as required. Reset float valve if it closed.
- **Float Valve:** Optional: Periodically check that float valve is operating freely and is not waterlogged. If necessary, tighten trimmer plate pivot screw to maintain desired flow balance.
- **Equalizer Valve** (Public Pool Models): Inspect for wear or deterioration. Make sure that screw is tight in equalizer valve body. If you can detect flow through equalizer with float valve open, replace check valve.

⚠ WARNING • **Equalizer (Wall) Fittings:** Daily check that Listed wall suction fittings are correctly installed and that covers are tight to fittings. Visually inspect for debris blocking cover. Remove any debris.

- **Water Level:** Maintain water level at least equal to the center of the weir door for proper operation. Adjust trimmer plate as necessary if equipped.

- **Winterizing the Venturi version of the ParaskimV Skimmer**. Normal winterizing is the same on the Paramount skimmer as other any other skimmer, with the exception of the Venturi version which will require a few additional steps.
  1. Lower the pool water below the skimmer opening.
  2. Remove the Return Guard on the pool side of the Venturi discharge and place a Paramount o-ring plug 005-702-9970-00 in the fitting. Alternatively, you may use a 2¾" rubber plug. Store the Return Guard and screws with the basket in a safe location. The return guard and plug use the same screws.
  3. Remove the Dual Pressure Nozzle and ozone delivery tube if so equipped from the bottom of the skimmer and place with the skimmer basket.
  4. Place a blow through plug in the bottom return port and blow the line back through the return header then close the valve at the pool return header.
  5. Disconnect the ozone tubing from the standpipe at the equipment pad and blow the ozone line to the skimmer. Plug with a ¼ inch plug in the port in the inside side of the skimmer.
  6. From this point treat the skimmer like any standard and blow out all line and plug.
  7. Drain the skimmer of all water.
  8. Insert a piece of foam rope in the venturi return line for added protection.
  9. A device like a Gizmo or non-toxic antifreeze should also be used for safety from outside water leaking in and causing damage from freezing.

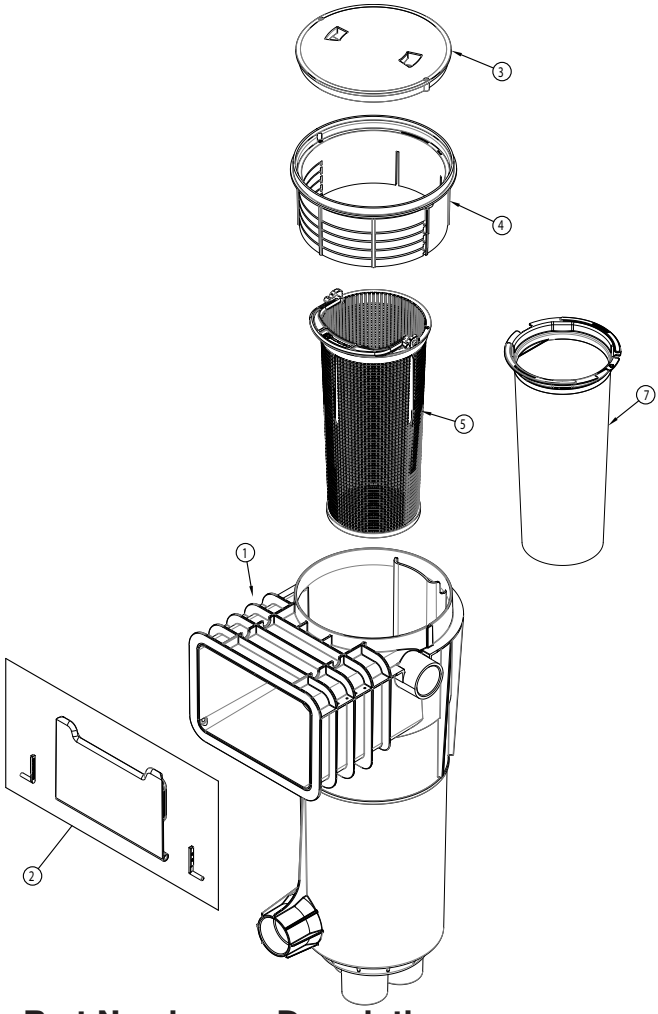
NOTICE Additional methods may also be required. There are many methods to winterizing a pool and pool equipment. Different methods are used depending on regional conditions. It is the pool operator's responsibility to ensure all components of the pool and pool equipment are protected from the most severe freeze conditions in their specific area.

- **Deck Lid:** Skimmer deck lid may deteriorate with prolonged use. Cover must be flush with pool, spa, or hot tub deck level. Skimmer deck lid is made of impact and weather resistant materials, but extended use (5-7 years) may lead to reduced strength. Regularly check condition of skimmer lid. Look for cracks, chips, deterioration of plastic, etc. Replace deck lid if any sign of damage or deterioration is found.

TROUBLESHOOTING

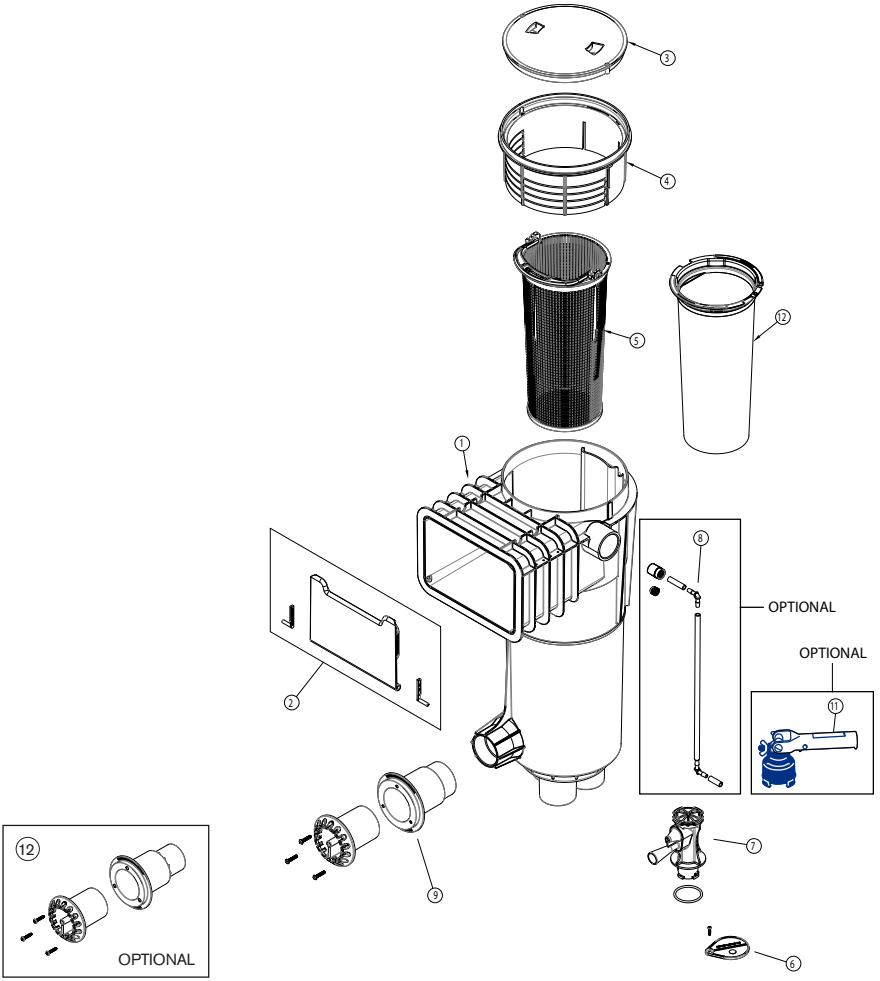
Problem	Cause	Solution
Pool surface not clean, inadequate skimming effect	1. Skimmer basket obstructed 2. Incorrect pool water level 3. Inadequate pool water 4. Stuck Weir Door 5. Dual Pressure Nozzle not spraying	1. Clean skimmer basket 2. Raise/lower pool water level to recommended heights 3. Position pool water return fittings to increase surface circulation 4. Check for debris and hinge pins seated 5. Check that valve is on fully and no debris in nozzle
Pool surface clean, bottom dirty	1. Main drain obstructed 2. Inadequate pool water circulation	1. Clean main drain. Remove obstruction from main drain line 2. Position pool water return fittings to increase surface circulation at bottom of pool
Air returning to pool	1. Low pool water level 2. Ozone is installed to dual pressure nozzle	1. Raise pool water level to recommended height. 2. Check ozone meter valve setting. With ozone return some air expected

PARASKIM SKIMMER PARTS



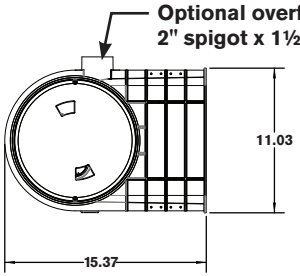
Item	Part Number	Description
1	004-702-20XX-XX	Body assembly
2	005-702-3000-XX	Door & weir assembly
3	005-252-4570-XX	Deck lid
4	005-702-6000-XX	Notched deck ring
5	005-152-2207-00	Basket
6	005-702-9100-00	Trimmer plate assembly
7	004-152-4517-00	Optional mesh bag, 600 Micron

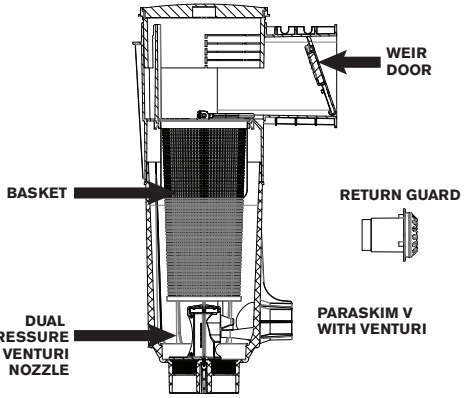
PARASKIM VENTURI SKIMMER PARTS

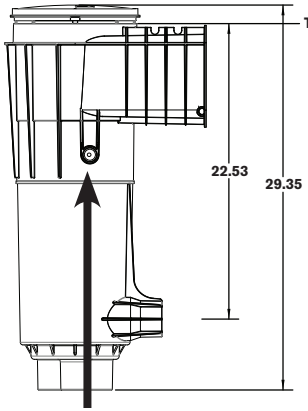


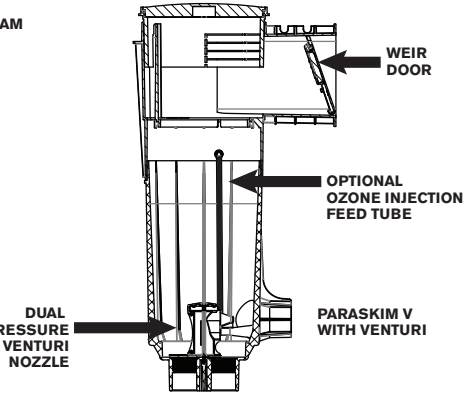
Item	Part Number	Description
1	004-702-10XX-XX	Body assembly
2	005-702-3000-XX	Door & weir assembly
3	005-252-4570-XX	Deck lid
4	005-702-6000-XX	Notched deck ring
5	005-152-2207-00	Basket
6	005-702-9100-00	Trimmer plate assembly
7	005-702-8000-00	Venturi, dual nozzle assembly
8	005-702-0002-00	Optional ozone injection feed tubing kit
9	005-702-9205-XX	Return guard assembly standard
10	004-152-4517-00	Mesh bag, 600 Micron
11	004-552-5452-00	Optional small Nozzle Tool
12	005-702-9210-XX	Optional return guard assembly flush mount

PARASKIM & PARASKIM V SPECS









SHOWN WITHOUT BASKET

