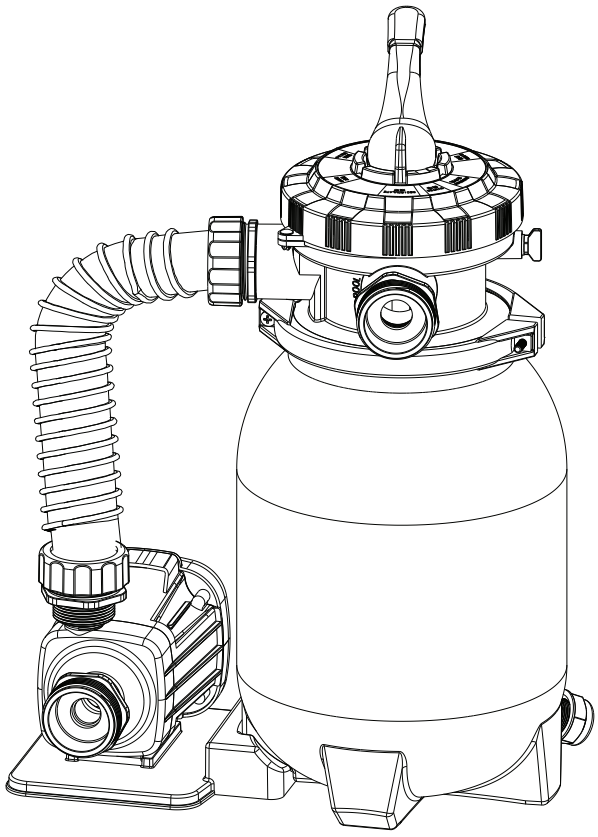
US XTREMEPOWER

POOL PUMP AND SAND FILTER SYSTEM

0.1HP 115V / 60Hz 1-SPEED 7-WAY ABOVE-GROUND

ITEM:75018



INSTALLATION AND USER'S GUIDE

75018

⚠DANGER

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

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CUSTOMER SERVICE

If you have any questions about ordering our pool pumps and replacement parts or other products, please feel free to contract us using the following contact information:

Customer Service and Technical Support

Phone: (909) 628-0880
Email: customer@xtremepowerusa.com
Hours of Operation: Monday-Friday, 9AM - 4PM (CST)

IMPORTANT SAFETY INSTRUCTIONS

This guide provides instructions for installing and using the product. If you have any questions about the product, please contact XtremepowerUS.

This guide contains important information about safely installing and operating this product. After installation, make sure to share this information with the owner/operator or leave it with them for their reference.

Legends and Symbols

When you come across the safety-alert symbol on the product or in this manual, pay attention to the following signal words and remain vigilant about the potential for personal injury.

DANGER **DANGER:** Ignoring these hazards can result in death, severe personal injury, or significant property damage.

WARNING **WARNING:** Indicates potential hazards that can result in severe personal injury, death, or significant property damage. Ignoring these warnings presents a real danger.

CAUTION **CAUTION:** Indicates potential hazards that can result in minor or moderate personal injury, property damage, or actions that are unpredictable and unsafe. Ignoring these cautions presents a potential hazard.

NOTE **NOTICE:** This label indicates important special instructions that are not directly related to hazards.

USE OF NON-XTREMEPOWERUS REPLACEMENT PARTS VOIDS WARRANTY

ATTENTION INSTALLER: This manual contains vital information regarding the installation, operation, and safe use of this product. It is essential to provide this manual to the end user of the product. Failure to read and follow all instructions could lead to severe injuries.

DANGER Failure to comply with all instructions and warnings may lead to severe bodily injury or even death. It is strongly recommended that only a qualified pool service professional install and service this product. Prior to using this product, installers, operators, and owners must carefully review these warnings and all instructions provided in the owner's manual. It is essential to leave these warnings and the owner's manual with the pool owner for their reference and safety.

WARNING For safety reasons, children should not be allowed to use this product.

GENERAL SAFETY

⚠DANGER

- Severe Injury or Death Risk: Improper installation or use of this sand filter can result in serious injury or death. Installers, pool operators, and pool owners must read all instructions and safety warnings before using this sand filter.
- Hazardous Pressure: Pool and spa circulation systems operate under high pressure. Failure to follow safety instructions could cause the pump housing or filter to violently separate, leading to severe injury, death, or property damage. Before servicing, ensure the system is off, and the manual air relief valve is open.
- Separation Hazard: Improper assembly or maintenance can lead to violent separation of components, causing severe injury or death. Always ensure all system components are correctly assembled and secure.

⚠WARNING

- Code Compliance: Adhere to all state and local codes regarding pool construction, installation, and operation. Failure to comply may result in unsafe conditions.
- Chemical Hazard: Do not store chemicals near the pool. Chemical spills and fumes can weaken the pool structure, leading to potential failures.
- Children's Safety: Do not allow children to operate or use the sand filter. Position equipment to prevent it from being used as access to the pool by young children.
- Entrapment Risk: Ensure all plugs used for pressure testing or winterization are removed from suction outlets to prevent suction entrapment.



SUCTION ENTRAPMENT HAZARD

NOTE

- Proper Maintenance: Regularly inspect and replace worn or damaged components, such as clamps, gauges, and o-rings, to maintain safe operation.
- Grounding Requirement: Ensure the filter tank is properly grounded before connecting to other equipments to prevent hazards.

SAFETY INFORMATION

This filter operates under high pressure. When any part of the circulating system (e.g., clamp, pump, filter, valves, etc.) is serviced, air can enter the system and become pressurized. Pressurized air can cause the lid or control valve to separate, which may result in serious injury, death, or property damage. To avoid this potential hazard, carefully follow the instructions below:

- Before repositioning valves or beginning assembly, disassembly, or adjustment of the clamp or any other servicing of the circulating system:
  - Turn the pump off and shut off any automatic controls to ensure the system is not inadvertently started during servicing.
  - Open the manual air-relief valve.
  - Wait until all pressure is relieved; the pressure gauge must read zero (0).

- Whenever installing the filter clamp, follow the filter valve and clamp installation instructions exactly.
- After service is complete, follow the system restart instructions exactly.
- Maintain the circulation system properly. Replace worn or damaged parts immediately (e.g., clamp, pressure gauge, relief valve, O-rings, etc.).
- Ensure the filter is properly mounted and positioned according to the manufacturer's instructions. Failure to properly operate the filter system, or inadequate filtration, can cause poor water clarity. Poor clarity may obstruct visibility in the pool and conceal submerged objects, increasing the risk of serious personal injury or drowning.



Important Safety Warnings

- This filter operates under pressure. With the valve clamped properly and operated without air in the system, it will function safely. However, air entering the filter or an improperly clamped valve can cause separation, leading to serious injury or property damage.

- Always turn the pump off before changing valve positions. Changing valve positions while the pump is running can damage the control valve and may cause injury or property damage.

- Chemical fumes and/or spills can cause serious corrosion to the filter and pump structural components. Structurally weakened components may cause separation of the filter, pump, or valve attachments, leading to serious injury or property damage.

- High voltage hazard: Always install a suitable Ground Fault Circuit Interrupter (GFCI) at the power source of this unit. NEC Article 681-31 requires a GFCI when this pump is used with a storable pool. Never work on the pump while it is running or connected to power.

Important Safety Warnings

- Always ground the motor before connecting to the AC power supply. Failure to ground the motor can cause severe or fatal electric shock. Do not ground to a gas supply pipeline.

For Cord-and-Plug Connected Units

- Connect only to a grounded receptacle protected by a GFCI.
- Contact a qualified electrician if you cannot verify that the receptacle is GFCI-protected.
- Do not bury the power cord. Position it to prevent damage from lawn mowers, trimmers, or other equipment.
- Replace damaged cords immediately to reduce the risk of electrical shock.
- Do not use an extension cord. Instead, provide a properly located outlet.

Additional Precautions:

- Allowing water to freeze in the system will cause damage, flooding, and potential property loss.

Sand Filtration Working Principle

- Incoming water from the piping system is automatically directed by the multi-port valve to the top of the filter bed. As the water passes through the sand, dirt and debris are trapped in the filter bed and removed from circulation. The filtered water then flows from the bottom of the filter tank, through the multi-port valve, and back into the piping system.

ELECTRICAL SAFETY INFORMATION

WARNING It's crucial to follow the National Electrical Code and all relevant local codes and ordinances. Going against these rules can result in a high risk of electrical shock, potentially leading to severe injury, death, or property damage for individuals involved. To prioritize safety and prevent potential hazards, adhering to electrical safety regulations and guidelines is crucial.

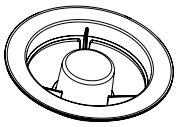
Risk of Electrical Shock or Electrocution

- **Always ensure the power to the pump is disconnected** from the power source before performing any service or maintenance. Failure to do so can lead to severe injury or even death for service personnel, pool users, or others due to electric shock, and may also result in property damage. Prior to servicing the pump, ensure complete disconnection from the power source to ensure the safety of everyone involved and to prevent any potential hazards or accidents.

- Prior to commencing any work on the pump, **thoroughly read and familiarize yourself with all servicing instructions.** This practice ensures your understanding of the proper procedures and precautions necessary for safe and effective pump servicing. Neglecting to do so may result in accidents, injuries, or damage to the pump or surrounding equipment. Prioritize safety by carefully reviewing all instructions before undertaking any maintenance tasks.

OVERVIEW (PRODUCT INFORMATION)

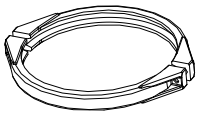
PACKAGING CONTENTS



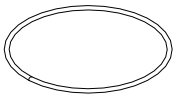
PARTS # 1
NECK FITTING
1 PC(S)



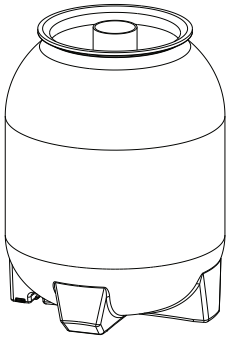
PARTS # 2
PLUG W/ O-RING
1 SET(S)



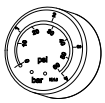
PARTS # 3
FLANGE CLAMP
1 PC(S)



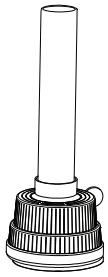
PARTS # 4
O-RING
1 PC(S)



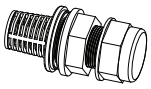
PARTS # 5
FILTER TANK
1 PC(S)



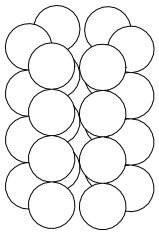
PARTS # 6
PRESSURE GAUGE
1 PC(S)



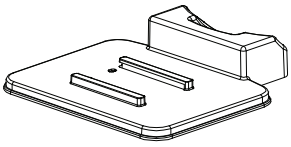
PARTS # 7
FILTER COMPONENT
1 PC(S)



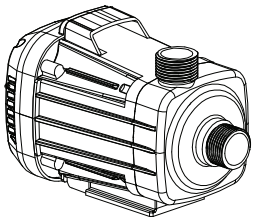
PARTS # 8
DRAIN PLUG
1 PC(S)



PARTS # 9
FILTER BALL
1 BAG(S)



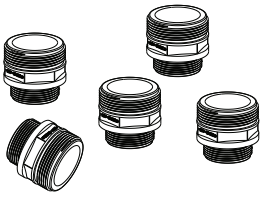
PARTS # 10
PUMP BASE
1 PC(S)



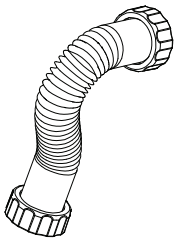
PARTS # 11
PUMP
1 PC(S)



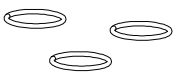
PARTS # 12
GASKET
2 PC(S)



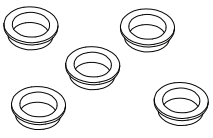
PARTS # 13
HOSE ADAPTOR
5 PC(S)



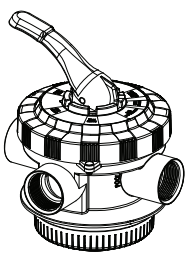
PARTS # 14
FILTER HOSE
1 PC(S)



PARTS # 15
O-RING
3 PC(S)



PARTS # 16
SEALING RING
5 PC(S)

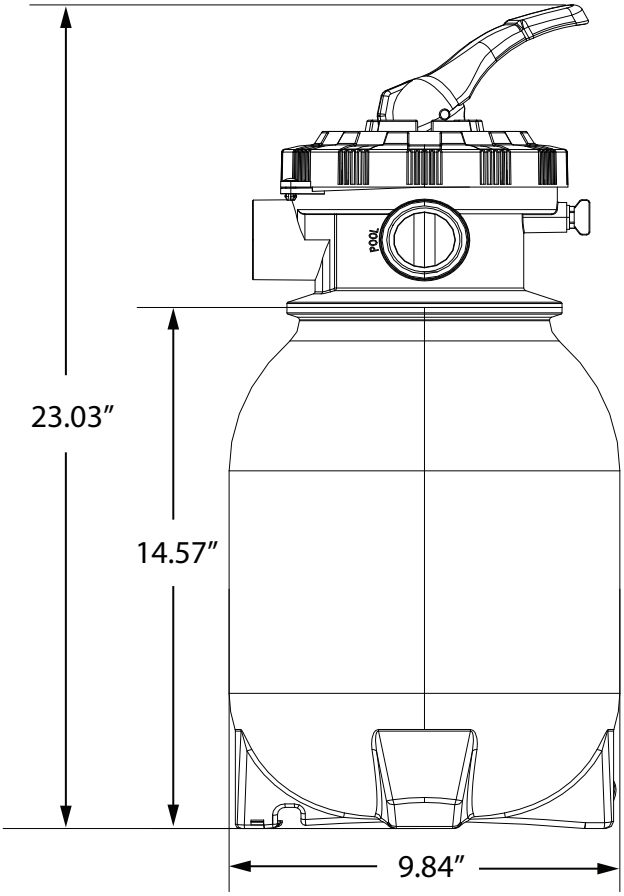


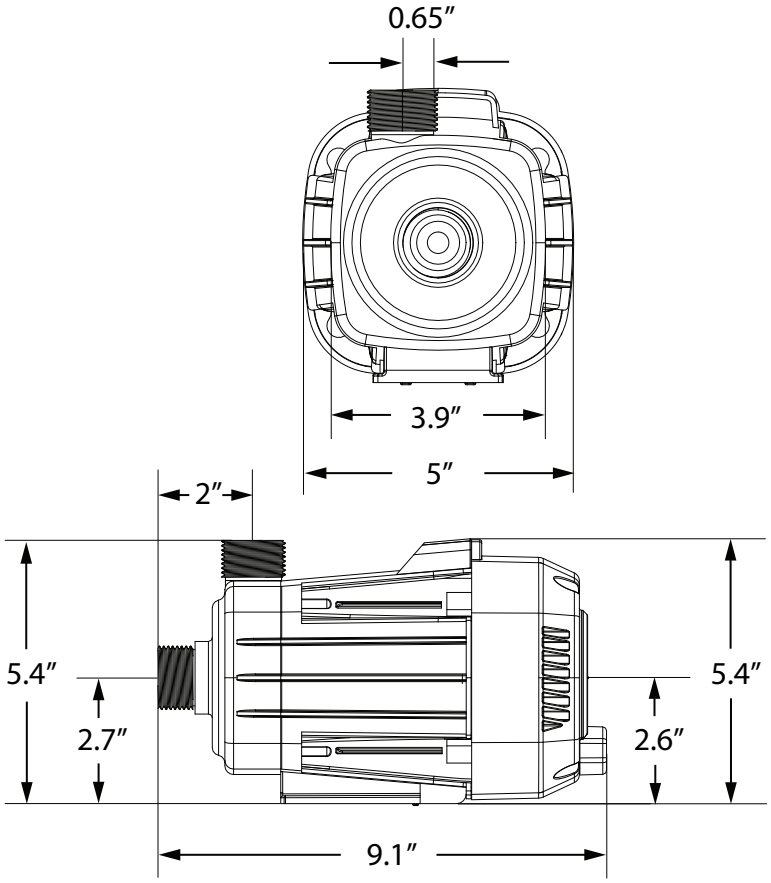
PARTS # 17
7-WAY VALVE
1 PC(S)



PARTS
USER'S GUIDE
1 PC(S)

PRODUCT DIMENSIONS





SPECIFICATIONS

Input Voltage / Frequency	115 V / 60 Hz
Input Current	2 Amp
Speed	Single Speed
RPM	3450 RPM
Horsepower	0.1 HP
WEF (Weighted Energy Factor)	6.51
Maximum Continuous Load	1200 GPH (Gallons Per Hour)
Ambient Conditions	
Storage	-40°F to +140°F (-40°C to + 60°C)
Operating	+32°F to + 122°F (0°C to + 50°C)
Humidity	Relative 0 to 95% Non-Condensing
Water Temperature	+32°F to + 113.0 °F (0°C to 45°C)
Pool Type	Above Ground
Hmax (Maximum Head)	14.1 FT
Qmax (Maximum Flow Rate)	20 GPM
Feature	IPX 5
	Thermal Protected

INSTALLATION

PUMP LOCATION

NOTE

- This pump should not be installed within an outer enclosure or beneath the skirt of a hot tub or spa, unless there are specific markings indicating its suitability for such installation.
- It is essential to mechanically secure the pump and sand filter system to the pump base during installation. Proper mechanical securing ensures stability and safe operation of the pump during its use.

Ensure that the pump location satisfies the following requirements:

- Position the pump as close to the pool or spa as feasible. Ensuring it is placed on a dry, well-ventilated surface away from direct sunlight. Consider the following factors:
  - Ensure proper drainage away from the pump.
  - Provide adequate ventilation for the pump motor.
  - Allow easy access for future servicing and winterizing needs.
  - Protect the pump from exposure to the elements.
- Ensure a minimum distance of 5 feet from the inside wall of the pool and spa during installation.
- Keep a minimum distance of 3 feet between the pump and the heater outlet.
- Avoid installing the pump at a location higher than 10 feet above the water level.
- Choose a well-ventilated site for the pump, offering protection from excess moisture, such as rain gutter downspouts or sprinklers.
- Allow a rear clearance of at least 3 inches during installation to enable easy motor removal for maintenance and repair. Refer to **Figure 1** and **Figure 2** for further details.

Figure 1

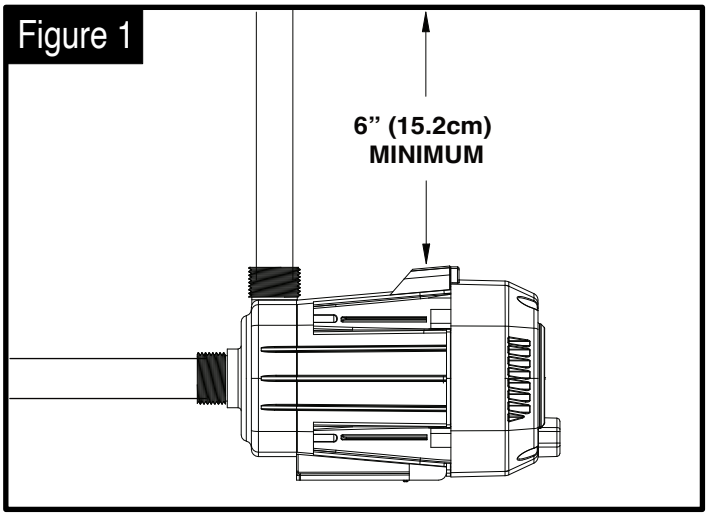
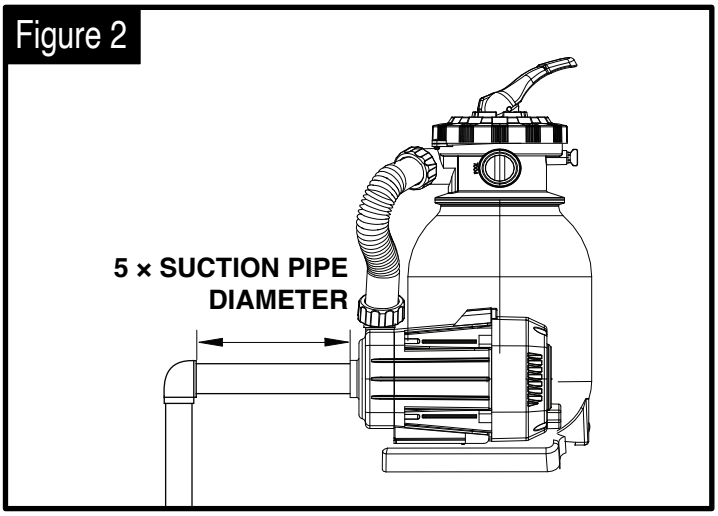


Figure 2



- While the pump is designed for outdoor use, it is advisable to position both the pump and filter in the shade to shield them from continuous direct heat.
- Select a well-drained location that will not flood during rainy periods.
- Never install the pump and filter in a damp or poorly ventilated area.
- Keeping the motor clean is crucial, as pump motors require unrestricted air circulation to aid in cooling.

BASE INSTALLATION

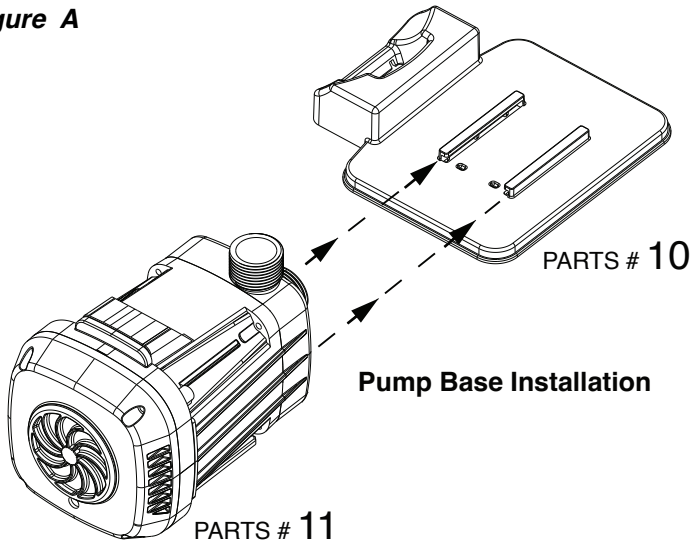
For detailed guidance on safe installation, please refer to the IMPORTANT SAFETY INSTRUCTIONS. These instructions are vital to ensure the pump is set up correctly, maintaining safety and optimal performance.

NOTE The equipment must be placed on a level surface with adequate ground hardness; if positioned on grass, a flat wooden board should be used as a base for leveling.

Step 1: Pump Base and Adapter Installation

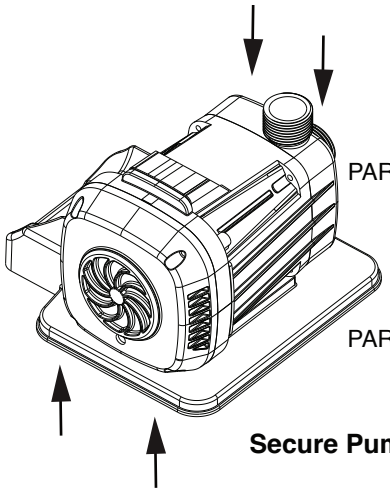
A. Locate the grooves at the bottom of the water pump. Align them with the bosses on the surface of the base plate. (***Figure A***)
B. Slide or press the pump into place so the grooves and bosses fit securely together.
C. Ensure the pump is firmly seated and stable before moving to the next installation step.
D. Assemble the Adapter and O-Ring onto the water pump by secure parts# 12 and 13 onto parts#11. (***Figure C***)

Figure A



Pump Base Installation

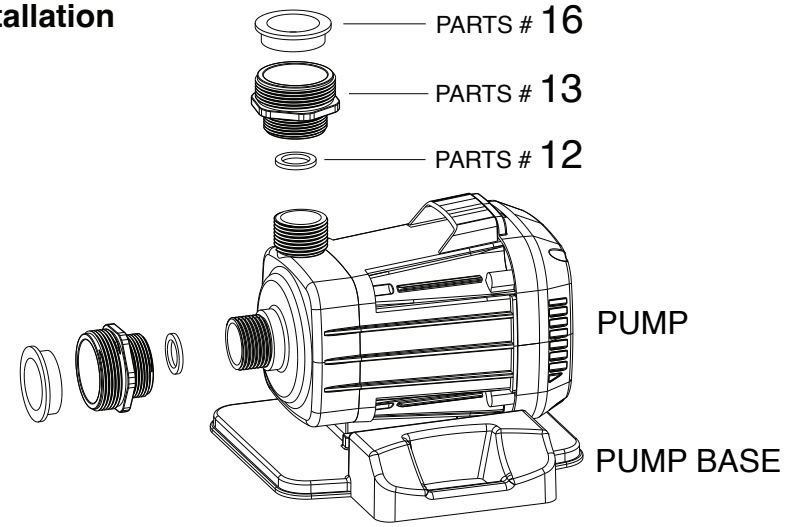
Figure B



Secure Pump Base

Adapter and O-Ring Installation

Figure C



Step 2: Sand Filter Drain Installation

A. Disassemble parts# 8 Filter Drain Nozzle, and arrange the drainage components in the following order as showing in ***Figure C***: #8.1, #8.2, #8.3, #8.4, #8.5, and #8.6.

B. Apply #8.5 onto #8.6 (***Figure D***). Then, insert the assembled #8.5 and #8.6 into parts# 4 filter tank's opening. On the out side of the filter tank, install other drainage components onto #8.6 in the following order: #8.4, #8.3, #8.2, and #8.1.

C. Manually tighten all the components to secure the filter drain. Do not over-tighten.
No tools are required.

Figure C

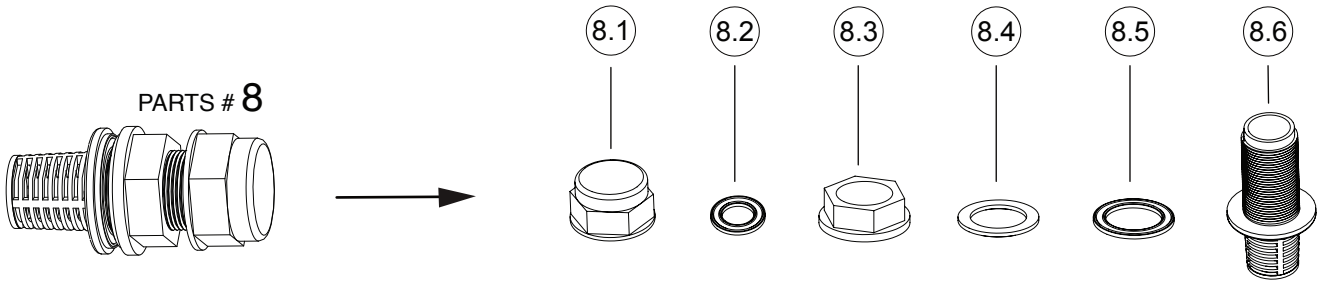
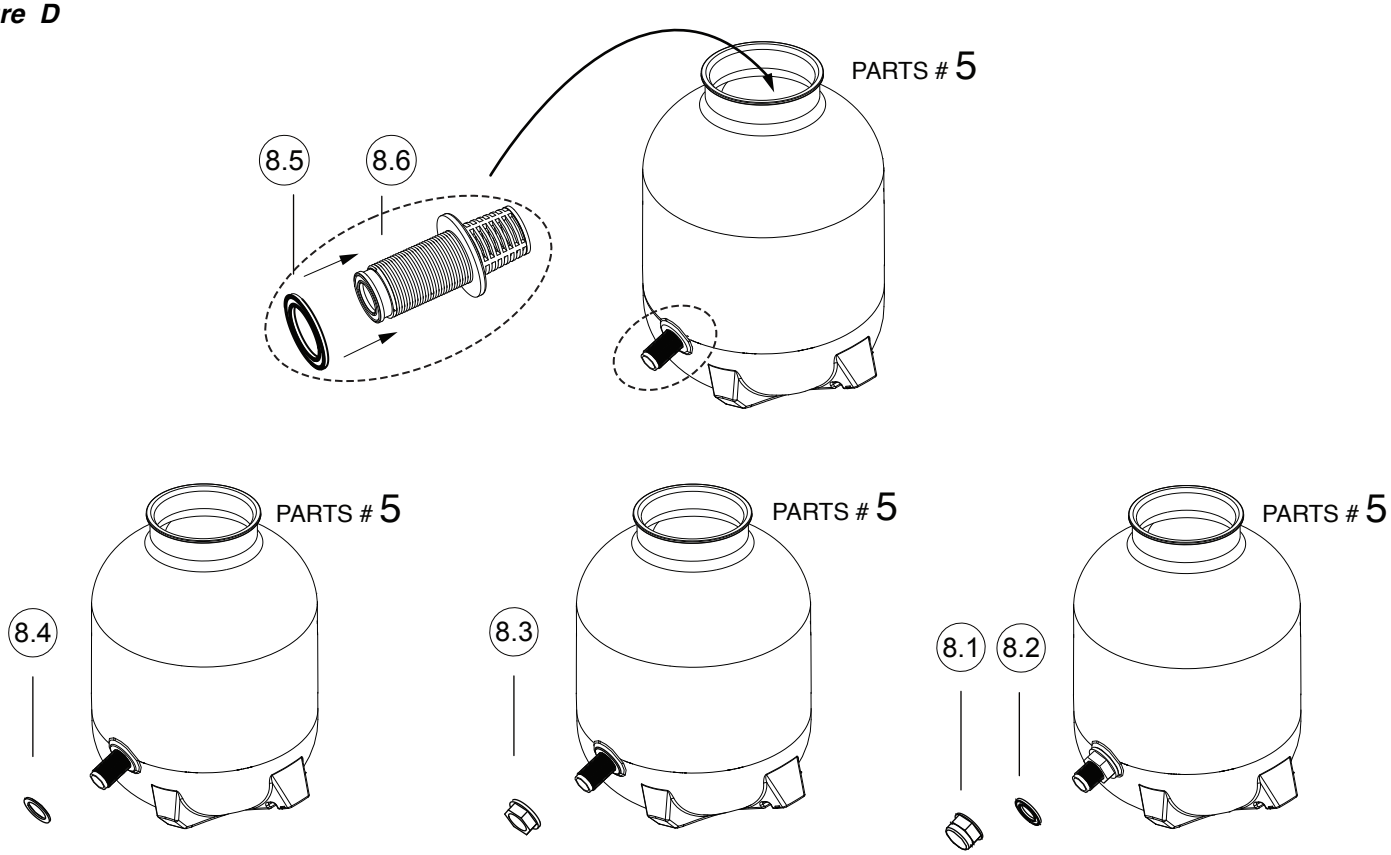


Figure D

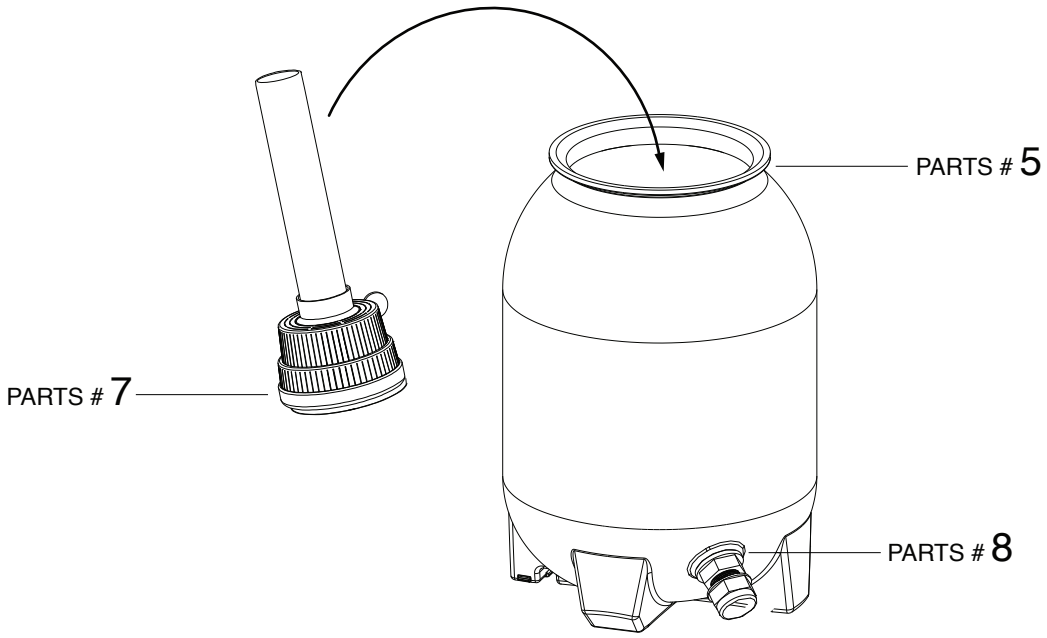


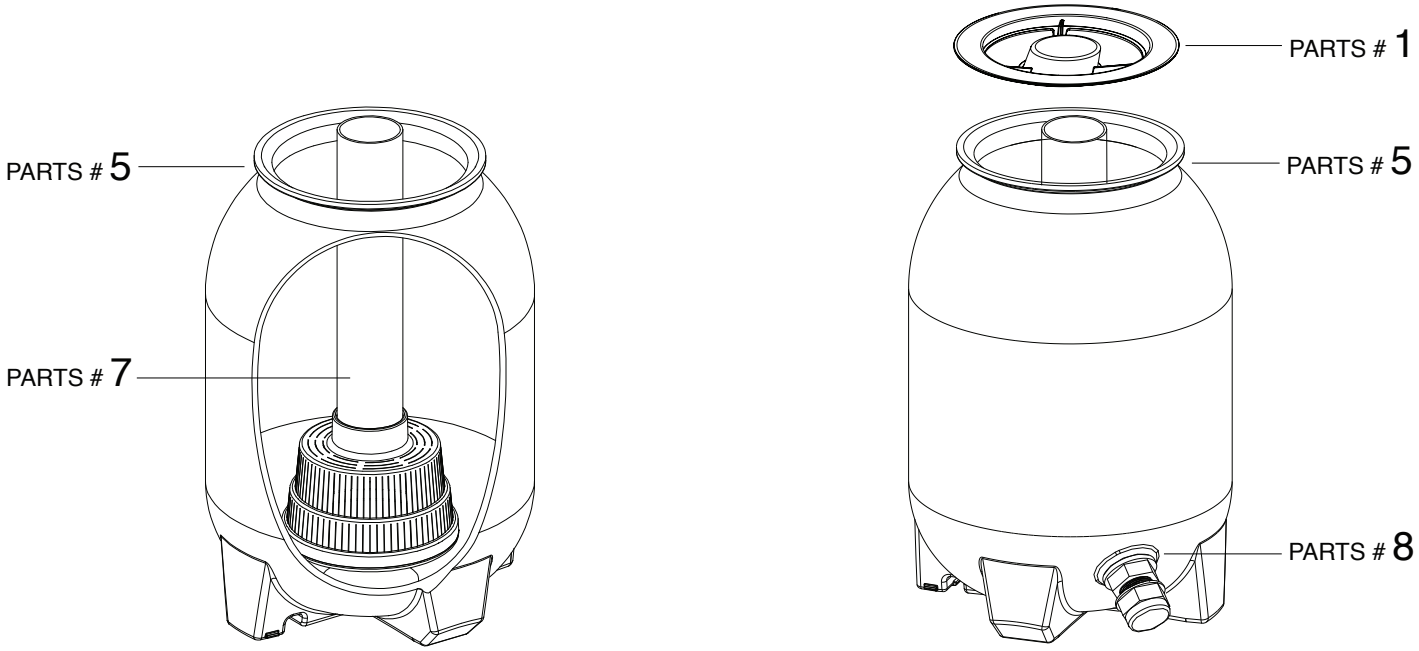
Step 3: Adding Filter Media

A. Place parts# 7 filter assembly in the center of parts# 5 sand filter , ensuring the pipe of parts# 7 remains upright during the media loading process. (***Figure E***)

B. Place parts# 1 funnel at the top of parts# 4 filter tank by aligning it with parts# 7 filter assembly. (***Figure E***)

Figure E





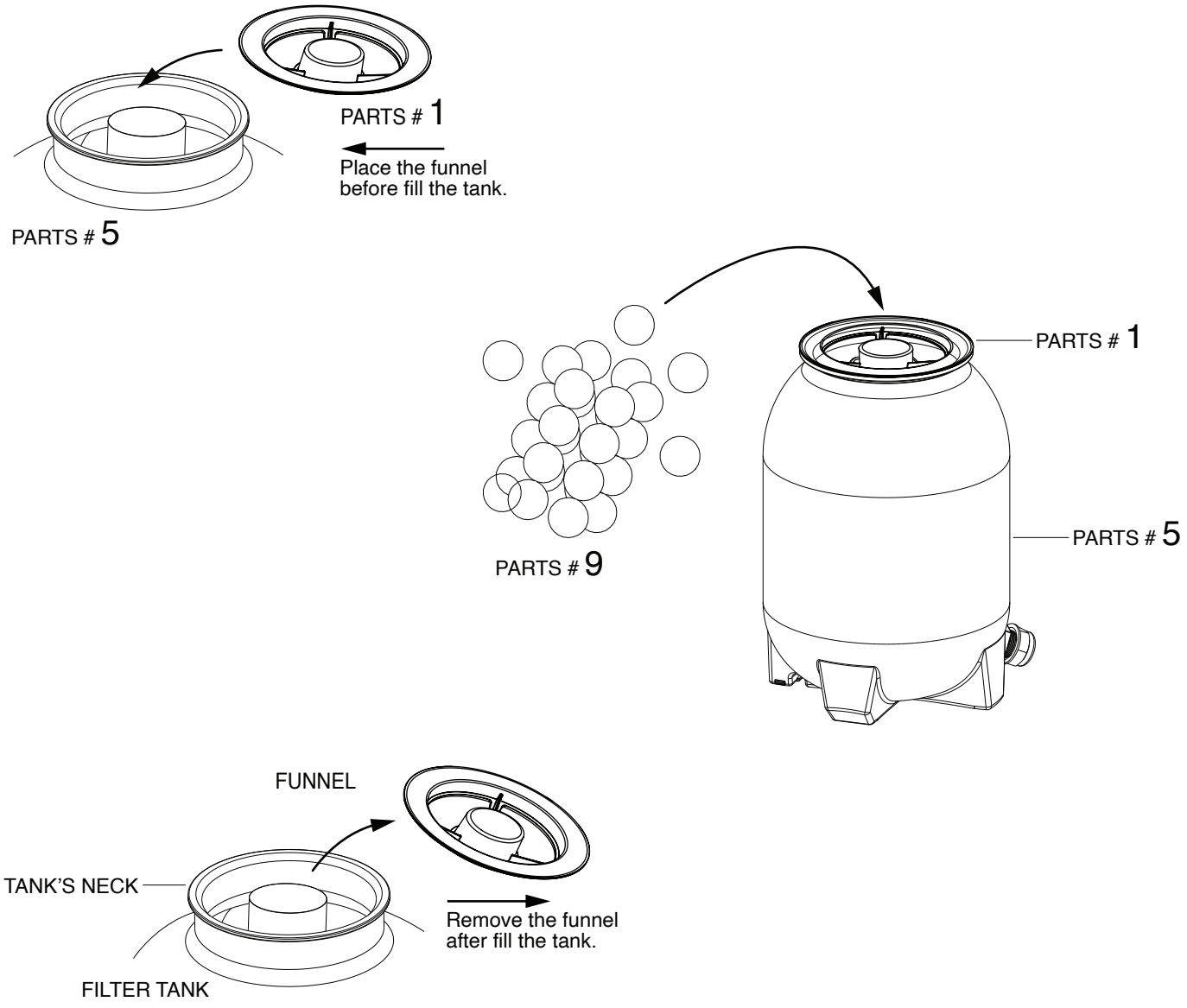
Step 3: Adding Filter Media (Continued)

WARNING Use only **POOL FILTER BALL** for this step.

A. Place the filter assembly in the center of the filter tank, ensuring the pipe remains upright during the media-loading process.
B. Position the funnel at the top of the filter tank, aligning it with the filter assembly. Evenly fill the filter tank with swimming pool filter cotton balls.
C. Remove the funnel and thoroughly clean the tank's neck before sealing. (***Figure F***)

NOTE Once filling is complete, carefully remove the funnel. Wipe and clean the tank neck to ensure a proper seal when installing the valve.

Figure F (Pool filter ball included)



Step 3: Adding Filter Media (Continued)

WARNING Use only **POOL FILTER SAND** for this step.

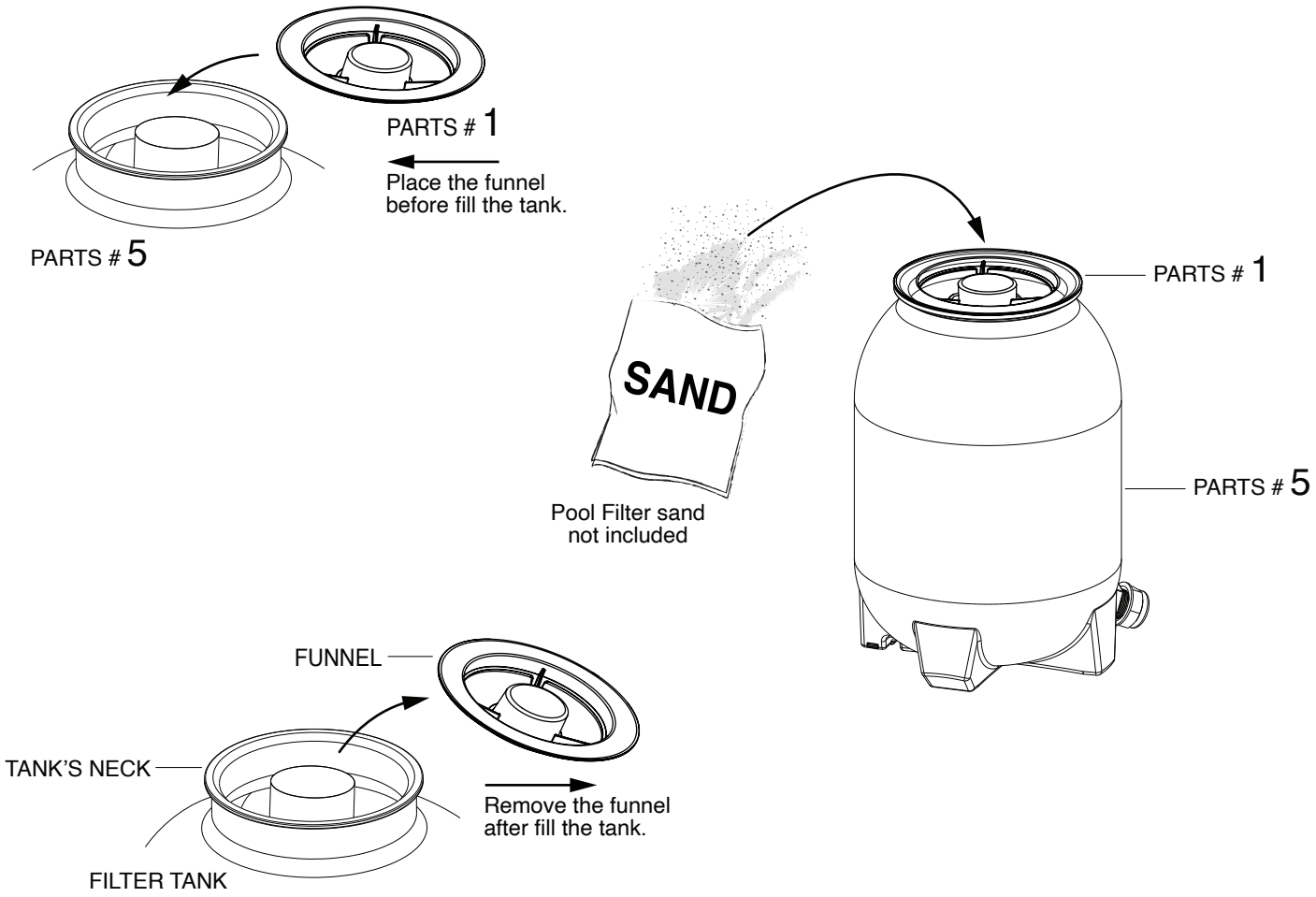
A. Place the filter assembly in the center of the filter tank, ensuring the pipe remains upright during the media-loading process.
B. Position the funnel at the top of the filter tank, aligning it with the filter assembly. Evenly fill the filter tank with the required amount of swimming pool filter sand.
C. Remove the funnel and thoroughly clean the tank's neck before sealing. (***Figure G***)

Sand Selection and Loading Requirements:

- Commonly used sand: #20 (0.71 mm) quartz sand
- Sand density: 0.1 lb/ft³ (1.6 kg/m³)
- Standard sand loading weight: 50 lbs
- Maximum sand loading: Fill the filter tank up to two-thirds of its capacity.

NOTE The funnel is designed only for filling the tank properly. It should not be left inside the tank after use. Wipe and clean the tank neck to ensure a proper seal when installing the valve.

Figure G (Pool filter sand not included)



Step 4: Pressure Gauge Installation

A. Apply parts# 3 large o-ring at the bottom of parts# 1 valve and place them on the top of parts# 4 filter tank. (***Figure H***) Remove the pressure gauge port plug from the pressure gauge port on the side of parts# 1 valve. (***Figure I***)

B. Clockwise wrap parts# 18 pressure gauge's thread with Teflon tape. (***Figure J***)

C. Clockwise screw parts# 18 pressure gauge into the pressure gauge port on the side of the part #1 valve, and then tighten it manually. (***Figure K***)

Figure H

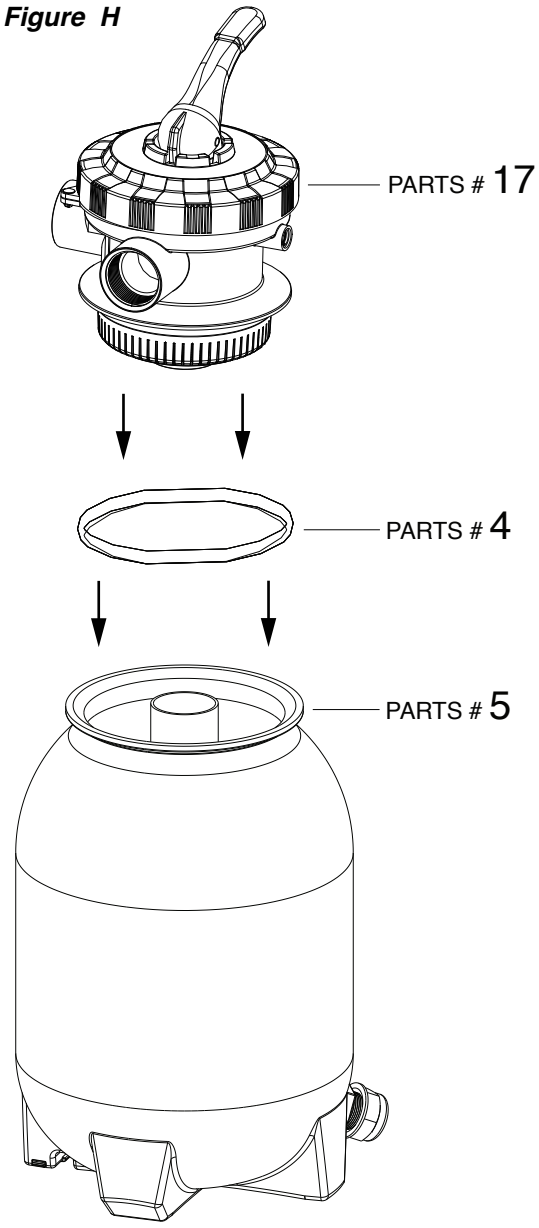


Figure I

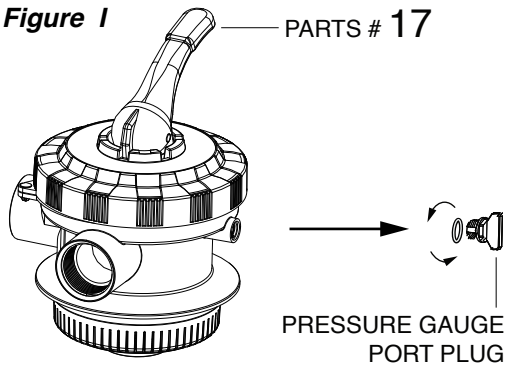


Figure J

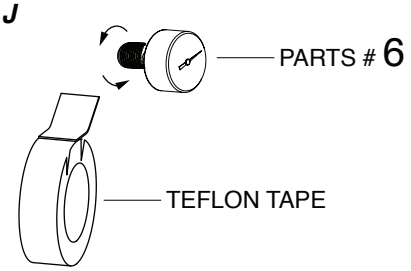
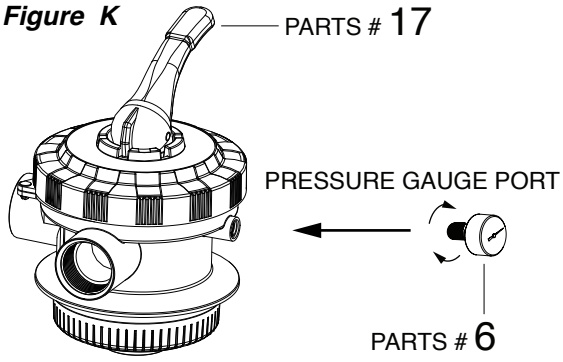


Figure K



Step 5: Tank Attachment

A. Attach parts# 5 filter tank to the pump and filter base by aligning and inserting the tank feet into the sockets on parts# 10 pump base. (***Figure L***)

B. Ensure the base is properly aligned, with the drain plug facing outward as shown in the illustration. Secure the tank in place. (***Figure M***)

Figure L

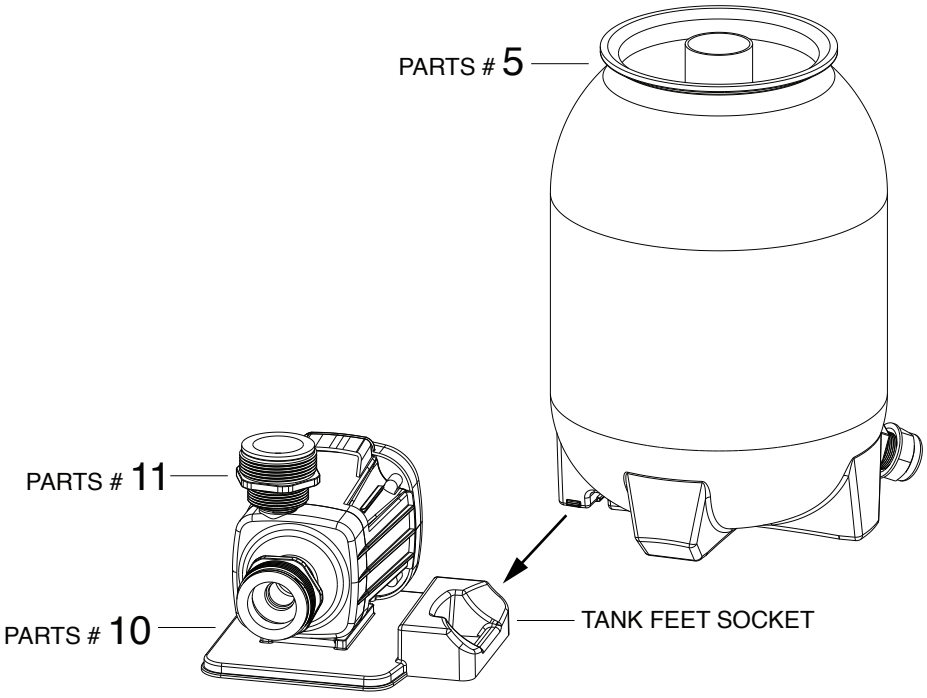
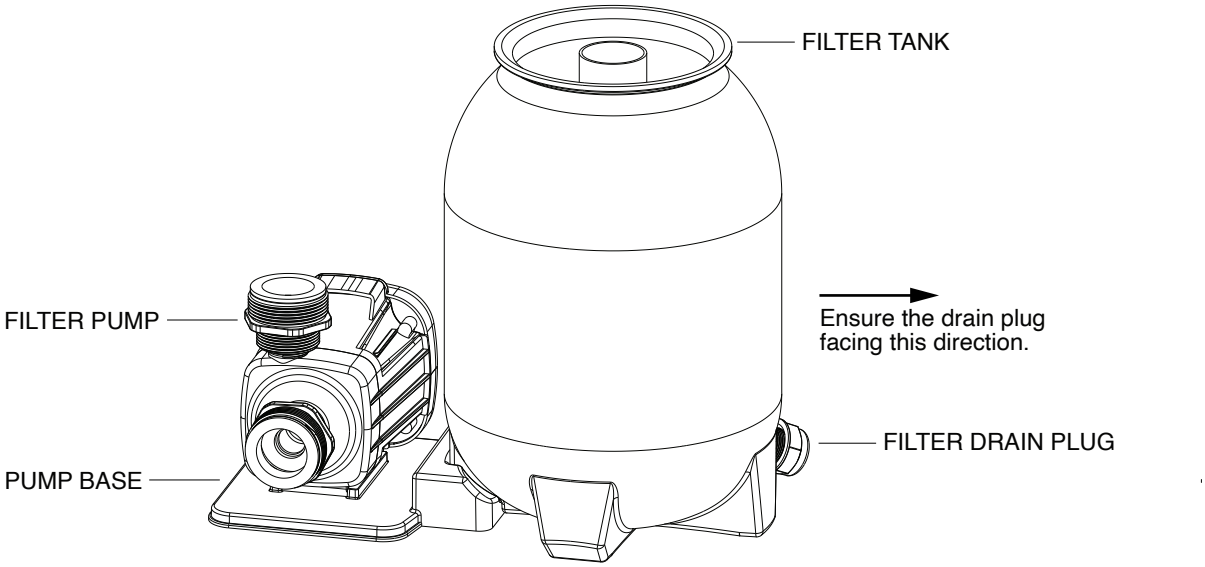


Figure M



Step 6: Flange Clamp Installation

A. Remove the Part #1 sand filter cover and ensure the tank neck is thoroughly clean. (***Figure N***)
B. Place Part #4 O-ring onto the valve.
C. Position Part #17 valve on Part #5 filter tank, making sure the “PUMP” port on the valve is aligned with the pump outlet port.
D. Install and tighten part# 3 flange clamps around the neck of part# 5 filter tank. (***Figure O***)
E. Securing both end screws. (***Figure O***)

Figure N

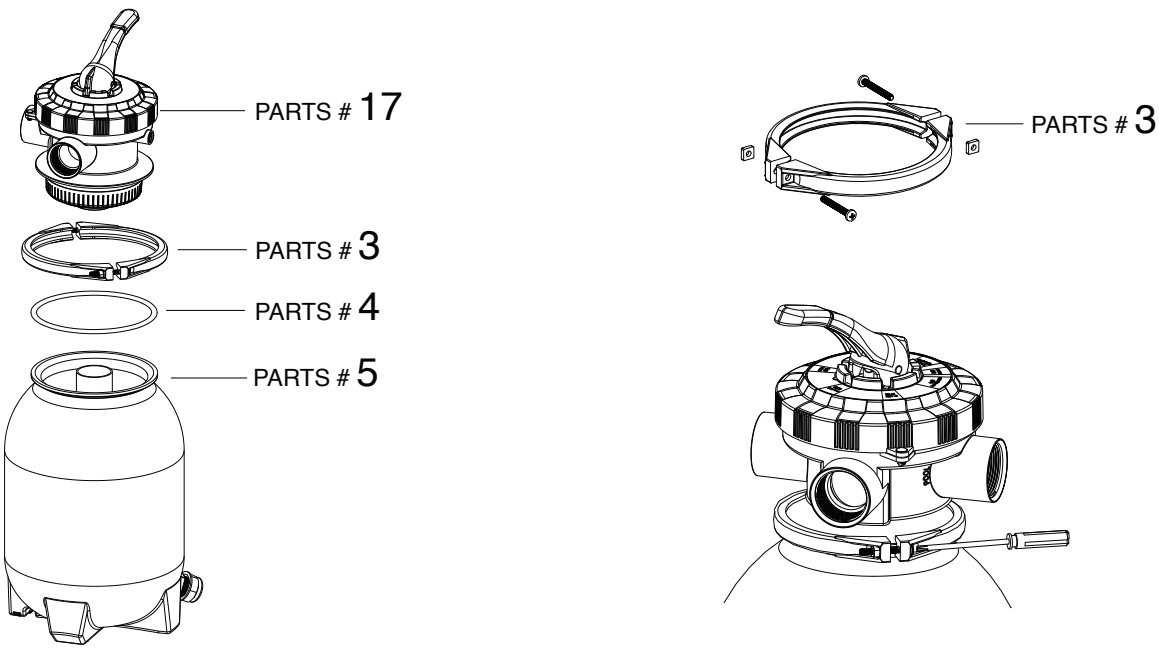
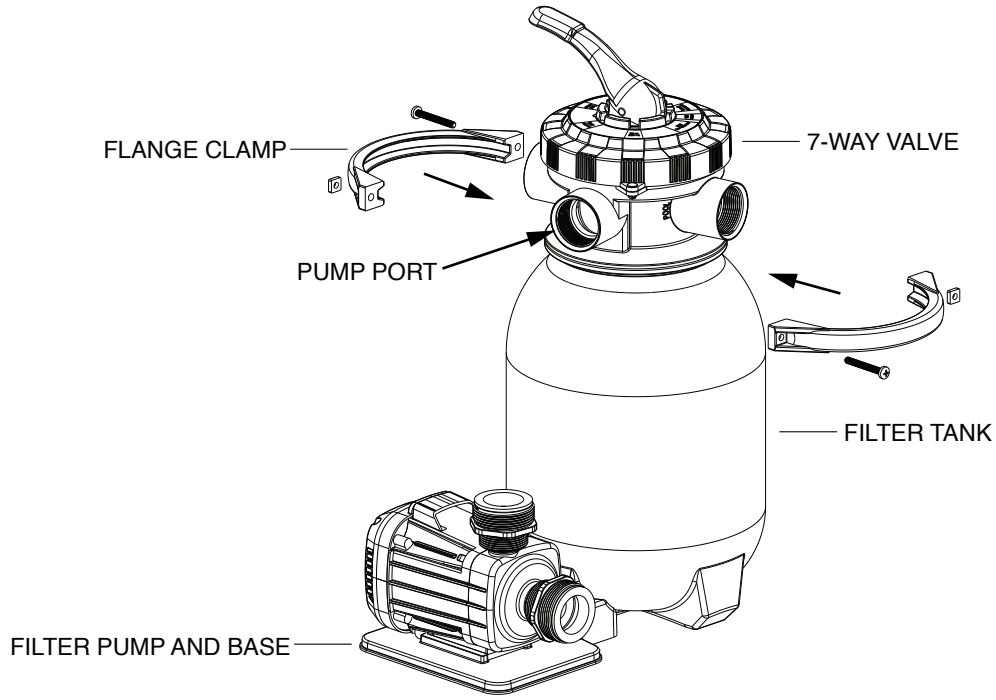


Figure O

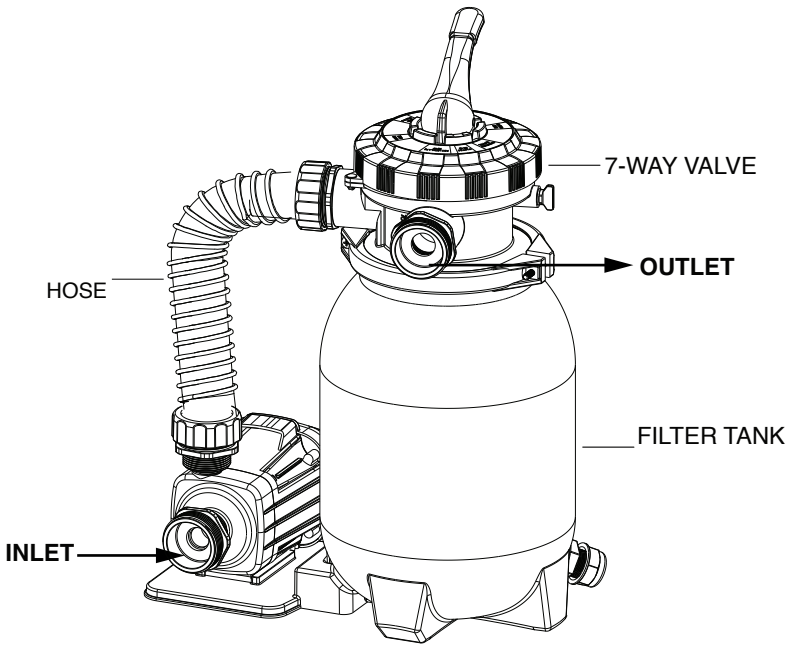


Step 7: Hose Installation

- Connect the sand tank to the pump using the supplied hose and hose adapters. (***Figure O***)
- Ensure that all hose connections are secure and properly tightened to prevent leaks.
- Avoid twisting or sharply bending the hose, as this may restrict water flow and reduce system efficiency.
- Once installed, check that the hose path is clear, stable, and supported to prevent unnecessary strain on fittings.

CAUTION Ensure hoses are securely fastened to prevent water leaks. Do not overtighten hose adapters, as this may damage threads or fittings. Avoid sharp bends, kinks, or twisting of hoses, as this can restrict water flow and reduce filtration efficiency. Always verify that the hose path is stable and free from potential obstructions before starting the pump.

Figure O



Inlet and Outlet Connections

Inlet (From Pump to Filter):

- Connect the hose from the pump's discharge port to the "PUMP" port on the multiport valve. This directs water into the filter for cleaning.

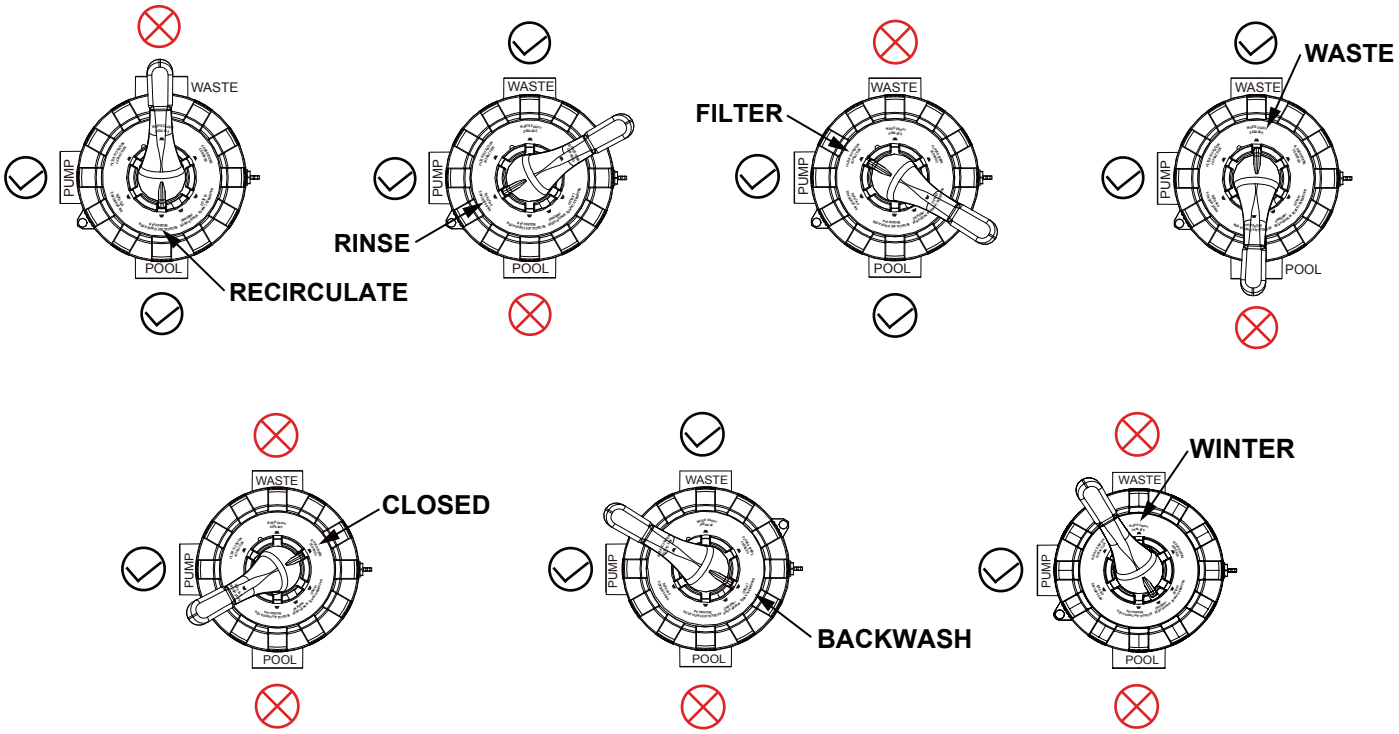
Outlet (From Filter Back to Pool):

- Connect the hose from the "RETURN" port on the multiport valve to the pool return fitting. This returns clean, filtered water to the pool.

CAUTION Do not reverse inlet and outlet connections, as this may cause poor filtration performance, damage to the filter media, or equipment failure.
Always confirm port labels ("PUMP" and "RETURN") on the multiport valve before securing hoses.

7-WAY VALVE FUNTIONS

Valve opened Valve closed



RECIRCULATE	Bypasses the filter. Use for draining or lowering the water level. Also suitable for vacuuming heavy debris directly to waste.
RINSE	Use after backwashing. With the pump off, set the valve to RINSE. Start the pump and run for 30 seconds to 1 minute. This step flushes dirty water from the filter to waste, preventing debris from returning to the pool. After rinsing, stop the pump, set the valve to FILTER, and restart the pump for normal operation.
FILTER	The standard setting for normal filtration. Also used for regular vacuuming.
WASTE	Bypasses the filter, sending water directly to waste. Use for draining, lowering the water level, or vacuuming heavy debris.
CLOSED	Stops water flow from the pump to the filter. Use only when servicing equipment.
BACKWASH	Cleans the filter when pressure rises 8–10 PSI (0.55–0.69 BAR) above the clean start-up pressure. 1. Stop the pump. 2. Set the valve to BACKWASH. 3. Restart the pump and backwash until the water in the sight glass runs clear (usually about 2 minutes or less, depending on dirt accumulation). Proceed immediately to RINSE.
WINTER	Keeps the valve open to reduce stress on the O-rings. Use this position for winter storage, typically set during autumn.

OPERATION

PRIOR TO START-UP

If it is necessary to perform a water pressure test before the initial use to ensure the plumbing system is functioning properly, the following criteria should be followed:

- Engage the services of a professional to perform the water pressure test. Their expertise will ensure accurate and safe testing of the plumbing system.
- Before conducting the test, ensure all XtremepowerUS pump and system components are removed from the plumbing system. This ensures that the test is performed independently of the pump and its components.

WARNING

If the circulation equipment must remain in the plumbing system during the water pressure test, exercise caution and do not apply more than 10 psi pressure to the system. Additionally, before removing the pump strainer cover, be sure to release water pressure.

WARNING

When starting the circulating pump system, ensure that all suction and discharge valves are OPEN, along with the filter air relief valve (if available) on the filter. This critical step is essential for proper pump operation and to prevent potential severe personal injuries.

CAUTION

Operate with caution: This pump and sand filter system operates simply by plugging in to turn on, and power starts immediately. To turn it off, simply unplug, and power is cut off immediately.

NOTE

This pump and sand filter system is designed to work seamlessly with a Swimming Pool Outdoor Programmable Timer outlet, enhancing control and efficiency. Highly recommend using such a timer for optimized performance.

- Ensure the filter operates within the designated working pressure range. When using a booster pump, install a pressure control valve.
- If the pump position is higher than the water level, a backwater control valve must be installed to prevent reverse flow.
- If the pump position is lower than the water level, install an isolation valve to stop water from flowing back during routine inspection or maintenance.
- Minimize the use of connecting adapters and hose bends. Reducing flow restrictions will help achieve maximum efficiency.
- Avoid excessive application of solvents on fittings, as this may damage the O-ring and lead to sealing issues.
- Do not overtighten fittings or adapters, as this may cause thread damage or leaks.

PRIMING THE PUMP

- To begin, fill the strainer housing with water up to the level of the suction pipe. If any water leakage is observed from the pump or filter, DO NOT start the pump. In such cases, it is essential to address the leakage issue before proceeding.
- If no leakage occurs, you may proceed to start the pump. However, ensure that you stand at least 10 feet away from the pump and/or filter after starting it.

WARNING

Before operating the pump, ensure it has been properly primed as water is essential for cooling and lubricating the seal.

CAUTION

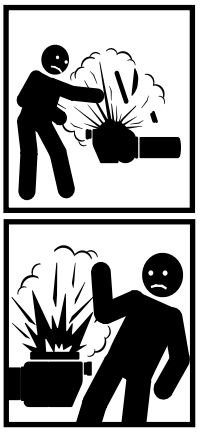
NEVER OPERATE THE PUMP WITHOUT WATER. Water cools and lubricates the mechanical shaft seal. Running the pump dry can damage the seals, causing leaks, flooding, and voiding the warranty.

CAUTION

Before removing the strainer cover, follow these steps:

- STOP the pump before proceeding.
- CLOSE the valves in the suction and outlet pipes.
- RELEASE ALL PRESSURE from the pump and piping system.
- After removing the strainer cover, fill the strainer housing with water.
- If necessary, clean and lubricate the strainer cover O-ring with silicone based lubricant.
- Replace the strainer cover on the strainer housing.
- OPEN the suction and outlet pipe valves.
- Refill basket with water.

DANGER



NOTE

Avoid installing 90° elbows directly into the pump inlet or outlet. This will help maintain efficient pump operation.

Priming Instructions:

- Confirm that all connections are secure.
- Clean the pool thoroughly before filling to avoid damage to the pump and filter from excessive dirt and large particles.

WARNING

- Ensure all suction and discharge valves are fully open before starting the system.
- Failure to do so could result in severe personal injury.
- Before starting the pump, make sure the filter vessel is filled with water.
- Starting the pump without water may cause damage to the pump.

Priming Instructions: (Continued)

- Open all pool suction and WASTE lines for free water flow to the WASTE line. Press down and turn the top mount valve handle to the “BACKWASH” position.
- Inspect the valve clamp for proper tightness.
- Prime and activate the pump to fill the filter tank with water.
- Observe the WASTE line for a steady flow of water. Operate the pump for a minimum of 2 minutes or until the backwash water runs clear, to eliminate impurities and fine sand particles from the media.
- Switch off the pump and adjust the valve to the "RINSE" position. Confirm that all pool suction and WASTE lines are open for unrestricted water flow. Avoid running the sand filter dry. Maintain a safe distance from the filter and start the pump.
- Continue running the pump for at least two minutes.
- Turn off the pump and switch the valve to the "Filtration" position. Check that all pool suction and RETURN lines are open, ensuring free water circulation to and from the pool. Keep clear of the filter and initiate the pump.
- The filter will begin its filtering cycle. Verify that water is circulating back into the pool and record the operating pressure with a clean filter.
- Inspect the system for leaks. In case of a leak, turn off the pump before addressing it.
- Monitor the filter pressure as it cleans the pool water. When the pressure gauge shows a 5-10 PSI (0.34-0.69 BAR, this value may change based on the pool's pump and piping) increase over the initial clean filter reading, initiate the BACKWASH cycle for the filter.

AFTER PRIMING THE PUMP

- Once the pump is primed, turn it on and open all suction and discharge line valves.
- Allow time for the pump to expel air from the suction lines.
- If there's no water flow within five minutes, stop the pump and re-prime it.
- Check for air leaks and refer to the Troubleshooting section if the pump isn't working correctly.

Checking for Air Bubbles:

- After running the pump for about ten minutes, check the return fittings for air bubbles.
- Continuous air bubbles may indicate a leak in the suction line; fix leaks promptly to avoid further problems.

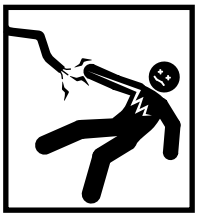
Controlling Output:

- Keep the gate valve in the suction line fully open while the pump is running.
- To adjust the output, if necessary, use a valve on the return line.

WARNING

Never operate the pump with closed suction or discharge valves.

DANGER **DANGER** **DANGER**





MAINTENANCE

- Ensure the filter operates within the designated working pressure. If the system uses a booster pump, install a pressure control valve.
- If the pump position is higher than the water level, install a backwater control valve to prevent reverse flow.
- If the pump position is lower than the water level, install an isolation valve to stop water from flowing back during inspections.
- Minimize the use of connecting adapters and hose bends to reduce water flow restrictions and maximize efficiency.
- Avoid excessive use of solvents on fittings, as this may damage the O-rings and lead to sealing problems.
- Do not over tighten fittings or adapters to prevent thread damage or leaks.

NOTE

- Inspect all connections carefully to ensure they are correct and securely fastened.
- Depress the top-mount valve handle and rotate it to the BACKWASH position.
- Prime and start the pump according to the pump manufacturer's instructions.

MAINTENANCE SAFTY

- All suction and discharge valves must be open when starting the system. Failure to do so may cause severe personal injury.
- Ensure the filter vessel is completely filled with water before starting the pump. Running the pump dry will cause serious pump damage.
- Once a steady flow of water is discharged from the waste line, run the pump for at least 2 minutes.
- This initial backwash removes impurities and fine sand particles from the filter media.
- Turn the pump off and set the valve to RINSE. Start the pump and run until the sight glass water runs clear (about 30 seconds to 1 minute).
- Turn off the pump, set the valve to FILTER, and restart the pump. The system is now in normal filtration mode.

FILTER PRESSURE MONITORING

- Note the initial pressure gauge reading when the filter is clean (this value varies depending on the pump and piping system).
- As the filter cllects dirt and impurities, the pressure will rise and the water flow will decrease.
- When the pressure gauge reads 8–10 PSI (0.55–0.69 BAR) above the clean starting pressure, it is time to backwash the filter.

CAUTION

- Always shut off the pump before changing the filter control valve position.
- Regularly clean the pump strainer and skimmer baskets to ensure proper operation and avoid damage to the pump and filter.

MAINTENANCE

Filter Balls

- Rinse filter balls using a garden hose or repeatedly wash them in clean water until fine debris is removed.
- For deeper cleaning, soak filter balls in a mild cleaning solution before rinsing thoroughly.

Quartz Sand

- Wash the sand with low-pressure water until the surface is free of dirt and debris is removed.
- Alternatively, pour water-treated sand into a sieve to remove impurities.

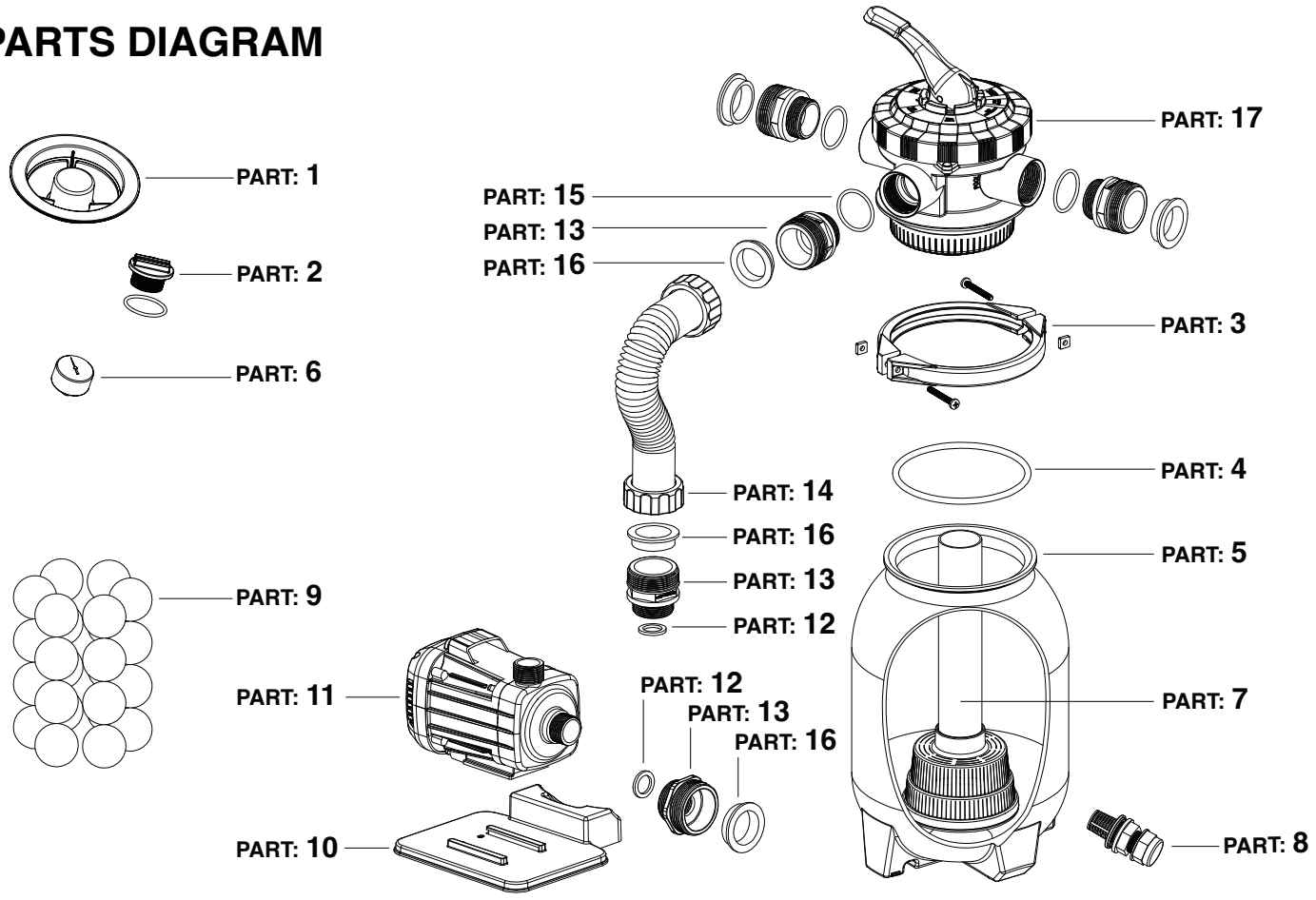
NOTE Quartz sand is expendable and should be replaced when excessively dirty or worn.

ANTI-FREEZE MAINTENANCE (Winterizing)

- Close all valves and drain water from the filtration system.
- Remove the filter balls or quartz sand and clean them thoroughly.
- Dry the components completely.
- Reinstall the cleaned filter media and store the unit in a dry, frost-free location during the off-season.

REPLACEMENT PARTS

PARTS DIAGRAM



ITEM	PART NO.	DESCREIPTION	QTY
P75018-1	47303016080	SAND FILTER COVER	1
P75018-2	49121501080	PRESSURE GAUGE SCREW PLUG	1
P75018-3	647303076000	FLANGE CLAMP	1
P75018-4	5431041080	O-RING Φ145.42* Φ6.99	1
P75018-5	47304201011	FILTER TANK	1
P75018-6	5024002000	PRESSURE GAUGE	1
P75018-7	647304272000	FILTER BASE	1
P75018-8	647303075000	FILTER DRAIN PLUG	1
P75018-9	5760040000	FILTER BALL (BAG)	1
P75018-10	47250105080	PUMP BASE	1
P75018-11	72812000	PUMP	1
P75018-12	5432080080	GASKET Φ30*Φ21*3	2
P75018-13	47304208080	HOSE ADAPTER	5
P75018-14	47200601001	HOSE	1
P75018-15	5431021080	O-RING Φ44.04*Φ3.53	3
P75018-16	5432055080	SEALING RING Φ56*Φ47*14	5
P75018-17	647304271000	7-WAY VALVE	1

DISCLAIMER

PLEASE READ THE FOLLOWING CAREFULLY

The manufacturer and/or distributor have provided the parts list and assembly diagram in this manual for reference purposes only. They do not make any representation or warranty to the buyer that they are qualified to make repairs to the product or replace any parts of the product. In fact, the manufacturer and/or distributor expressly state that all repairs and parts replacements should be undertaken by certified and licensed technicians, and not by the buyer.

The buyer assumes all risk and liability arising from their repairs to the original product or replacement parts or arising from their installation of replacement parts. It is strongly advised that qualified professionals handle any repairs or replacements to ensure safety and proper functioning of the product. Improper installation and operation may result in injury, property damage, or voiding of warranty. The manufacturer and/or distributor shall not be held responsible for any accidents, damages, or malfunctions resulting from the buyer's installation and operation of the product. It is essential to follow all safety guidelines and recommendations provided in this manual and to seek professional assistance if unsure about the installation or operation procedures.

CUSTOMER SERVICE

If you have any questions about ordering our pool pumps and replacement parts or pool products, please feel free to contact us using the following contact information:

Customer Service and Technical Support

Phone: (909) 628-0880
Email: customer@xtremepowerusa.com
Hours of Operation: Monday – Friday, 9AM – 4PM (CST)