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- › [Pentair](#) /
- › [Pentair TR60 Triton II 24 inch Side Mount In Ground Pool Sand Filter User Manual](#)

Pentair EC-140264

Pentair TR60 Triton II 24 inch Side Mount In Ground Pool Sand Filter User Manual

Model: EC-140264

INTRODUCTION

This user manual provides comprehensive instructions for the safe and efficient operation, installation, and maintenance of your Pentair TR60 Triton II 24 inch Side Mount In Ground Pool Sand Filter. Please read this manual thoroughly before attempting to install or operate the filter. Keep this manual for future reference.





Image: The Pentair TR60 Triton II 24 inch Side Mount In Ground Pool Sand Filter, showing its beige tank, black base, and pressure gauge on top.

SAFETY INFORMATION

Always observe basic safety precautions when installing and operating this product. Failure to do so could result in severe injury, death, or property damage.

- Ensure all electrical connections are made by a qualified electrician and comply with local codes.
- Do not operate the filter if any part is damaged or missing.
- Always relieve pressure from the system before servicing.
- Keep children and pets away from the pool equipment area.
- This product is intended for use with swimming pools only.

SETUP AND INSTALLATION

Proper installation is crucial for the filter's performance and longevity. Refer to the following steps for setting up your Pentair TR60 filter.

Unpacking and Inspection

1. Carefully remove all components from the packaging.
2. Inspect the filter tank, multi-port valve (sold separately), and all accessories for any shipping damage. Report any damage to your supplier immediately.
3. Ensure all parts listed in the packing list are present.

Location Selection

Choose a location that is:

- Well-drained and protected from excessive moisture.
- Accessible for maintenance and servicing.
- At least 3 feet (0.9 meters) from the pool.
- On a firm, level base capable of supporting the weight of the filter when filled with sand and water.

Adding Filter Media (Sand)

The TR60 filter requires specific amounts of pea gravel and filter sand for optimal performance. The instructions recommend 50 lbs of pea gravel and 275 lbs of filter sand. Based on user experience, it is often best to use approximately 75 lbs of pea gravel to adequately cover the laterals, followed by 250 lbs of filter sand.

1. Ensure the internal laterals are properly positioned at the bottom of the tank.
2. Place a small amount of water in the tank to cushion the laterals.
3. Carefully add the recommended amount of pea gravel (approximately 50-75 lbs) to cover the laterals.
4. Slowly add the filter sand (approximately 250-275 lbs) into the tank. Distribute it evenly.
5. Ensure the standpipe is centered during sand addition.

Valve Installation

The multi-port backwash valve is sold separately. Compatible valves include models **261173, 261049, 261050, 261055, and 263064**.

1. Clean the threads of the filter tank opening and the valve.
2. Apply a suitable sealant to the valve threads.
3. Carefully screw the valve onto the filter tank opening. Do not overtighten.
4. Connect the plumbing from the pump to the "PUMP" port on the valve and the plumbing leading back to the pool to the "RETURN" port. The "WASTE" port should be connected to a suitable drain or waste line.

OPERATING INSTRUCTIONS

Follow these steps for normal operation of your sand filter.

Starting the Filter

1. Ensure all plumbing connections are secure and leak-free.
2. Set the multi-port valve handle to the "FILTER" position.
3. Prime the pump according to its manufacturer's instructions.
4. Turn on the pool pump.
5. Check the pressure gauge. The initial operating pressure should be noted as your "clean filter" pressure.

Backwashing the Filter

Backwash the filter when the pressure gauge reads 8-10 PSI above the clean filter pressure, or when water clarity diminishes.

1. Turn off the pool pump.
2. Rotate the multi-port valve handle to the "BACKWASH" position.
3. Turn on the pool pump.
4. Observe the sight glass (if available) on the valve. Backwash until the water runs clear (typically 2-3 minutes).
5. Turn off the pool pump.
6. Rotate the multi-port valve handle to the "RINSE" position.
7. Turn on the pool pump and run for 30-60 seconds to settle the sand.
8. Turn off the pool pump.
9. Rotate the multi-port valve handle back to the "FILTER" position.
10. Turn on the pool pump to resume normal filtration.

MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your filter.

Routine Checks

- Monitor the pressure gauge regularly.
- Inspect the filter tank and plumbing for any leaks or damage.
- Ensure the air relief valve is functioning correctly.

Sand Replacement

Filter sand typically lasts 5-7 years, but this can vary based on usage and water chemistry. Replace sand when filtration efficiency decreases despite regular backwashing.

Winterizing

In areas subject to freezing temperatures, the filter must be drained and winterized to prevent damage.

1. Turn off the pump and disconnect power.
2. Drain all water from the filter tank by opening the drain plug.
3. Remove the multi-port valve and store it in a dry, protected area.
4. Cover the filter tank opening to prevent debris from entering.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
High Pressure / Low Flow	Clogged filter sand; dirty pump strainer basket; closed valve.	Backwash filter; clean pump basket; check valve positions.
Low Pressure / Low Flow	Air leak in suction line; clogged skimmer/main drain; pump not primed.	Check for air leaks; clear obstructions; prime pump.
Water Leaking from Filter	Loose connections; damaged O-rings/gaskets; cracked tank.	Tighten connections; replace O-rings/gaskets; inspect tank for damage.
Sand Returning to Pool	Damaged laterals; too much sand; improper backwashing.	Inspect/replace laterals; verify sand level; ensure proper backwash/rinse cycle.

SPECIFICATIONS

Key specifications for the Pentair TR60 Triton II Sand Filter (EC-140264).

- **Model:** EC-140264
- **Product Dimensions:** 24.5 x 24.5 x 31.5 inches
- **Item Weight:** 40 pounds
- **Manufacturer:** Pentair
- **Compatible Valves:** 261173, 261049, 261050, 261055, 263064 (sold separately)
- **Required Filter Media:** Approximately 50-75 lbs Pea Gravel, 250-275 lbs Filter Sand

WARRANTY AND SUPPORT

For warranty information and technical support, please contact Pentair customer service or visit their official website. Keep your purchase receipt as proof of purchase.

Pentair Customer Service: Refer to your product packaging or Pentair's official website for the most current contact information.

Online Resources: www.pentair.com

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