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Jacuzzi 15 TP

Jacuzzi 15 TP Pool Filter Instruction Manual

Model: 15 TP

1. PRODUCT OVERVIEW

The Jacuzzi 15 TP Pool Filter is a high-flow sand filtration system designed for efficient water purification in large swimming pools. This filter features a durable, corrosion-proof, rotomolded polyethylene tank and a large filtration area, making it suitable for frequently used pools and allowing for extended periods between backwashes. It is equipped with a multi-port valve that provides six distinct operational functions for comprehensive pool maintenance.



**Figure 1.1:** The complete Jacuzzi 15 TP pool filter unit, featuring its distinctive yellow spherical tank and the black multi-port valve assembly at the top.

## 2. SETUP AND INSTALLATION

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Proper installation is crucial for the optimal performance and longevity of your Jacuzzi 15 TP Pool Filter. Please follow these steps carefully:

1. **Placement:** Position the filter on a firm, level surface, preferably concrete, as close to the pool as possible. Ensure adequate space for maintenance and access to the multi-port valve.
2. **Sand Loading:** Remove the multi-port valve assembly from the top of the filter tank. Cover the standpipe opening inside the

tank to prevent sand from entering. Carefully pour the recommended amount and type of filter sand into the tank. Refer to the product specifications for the correct sand quantity (typically 50 kg for this model). Once filled, remove the standpipe cover.

3. **Valve Installation:** Place the multi-port valve assembly onto the filter tank, ensuring the standpipe aligns correctly with the valve's opening. Secure the valve to the tank using the provided clamp or bolts, tightening evenly to create a watertight seal.
4. **Plumbing Connections:** Connect the pool's plumbing lines to the appropriate ports on the multi-port valve. The 'PUMP' port connects to the pool pump, the 'RETURN' port connects to the pool's return lines, and the 'WASTE' port connects to a waste line or drain. Use appropriate PVC fittings and sealant for secure, leak-free connections.
5. **Pressure Gauge:** Install the pressure gauge into the designated port on the multi-port valve. This gauge is essential for monitoring filter performance.
6. **Initial Backwash:** Before operating the filter in 'FILTER' mode, perform an initial backwash to remove any fine sand particles or debris from the filter media.



**Figure 2.1:** A close-up top view of the filter's multi-port valve, showing the handle, pressure gauge, and various operational settings.

### 3. OPERATING INSTRUCTIONS

The multi-port valve controls the flow of water through the filter. **Always turn off the pool pump before changing the valve position** to prevent damage to the valve or plumbing. The valve has six positions:

- **FILTER (Filtrar):** This is the standard operating position for normal filtration. Water flows through the sand media, trapping

debris, and returns clean to the pool.

- **BACKWASH (Retro lavar):** Used to clean the filter sand. Water flows in reverse through the filter, dislodging trapped debris, and is discharged through the waste port. Perform backwash when the pressure gauge reads 8-10 PSI above its clean operating pressure.
- **RINSE (Enxaguar):** Used after backwashing to flush out any remaining dirty water from the filter and settle the sand bed. Water flows through the filter and out the waste port. Run for 30-60 seconds.
- **WASTE (Drenar):** Bypasses the filter and sends water directly out the waste port. Useful for vacuuming heavy debris directly to waste or lowering the pool water level.
- **RECIRCULATE (Recircular):** Bypasses the filter and circulates water directly back to the pool. Useful for mixing chemicals without filtering.
- **CLOSED/TEST (Testar):** Shuts off all flow to the filter. Use this position when performing maintenance on the pump or filter, or for pressure testing. Never operate the pump with the valve in the 'CLOSED' position.

**To change valve positions:** Turn off the pump. Press down on the valve handle, rotate it to the desired position, and release. Ensure the handle locks securely into place before restarting the pump.

## 4. MAINTENANCE

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Regular maintenance ensures efficient operation and extends the life of your filter.

- **Backwashing:** Monitor the pressure gauge. When the pressure rises 8-10 PSI above the clean operating pressure (the pressure reading after a fresh backwash), it's time to backwash. Backwash until the water in the sight glass (if present) runs clear, then rinse for 30-60 seconds.
- **Sand Replacement:** Filter sand typically lasts 3-5 years, depending on usage and water chemistry. Over time, sand particles wear down and become less effective. Replace the sand when filtration efficiency decreases despite regular backwashing.
- **Winterization (if applicable):** In colder climates, drain all water from the filter tank and plumbing to prevent freezing damage. Remove the multi-port valve and store it in a dry place.
- **Pressure Gauge Monitoring:** The pressure gauge is a key indicator of filter health. A consistently high pressure indicates a dirty filter or clogged lines. A consistently low pressure might indicate a pump issue or air leak.



**Figure 4.1:** Detailed view of the pressure gauge, indicating filter pressure in PSI and kgf/cm².

## 5. TROUBLESHOOTING

| Problem                     | Possible Cause                                                             | Solution                                                                                                |
|-----------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Low water flow from returns | Dirty filter sand; clogged skimmer/pump basket; air leak in suction line.  | Backwash and rinse filter; clean skimmer and pump baskets; check for air leaks and tighten connections. |
| Cloudy pool water           | Insufficient filtration time; dirty filter sand; improper water chemistry. | Increase filtration time; backwash and rinse filter; test and adjust pool chemistry.                    |
| Water leaking from valve    | Worn O-rings or gaskets; loose clamp/bolts.                                | Inspect and replace O-rings/gaskets; tighten clamp/bolts evenly.                                        |
| Sand returning to pool      | Broken laterals inside filter; too much sand; improper sand type.          | Inspect and replace broken laterals; ensure correct sand quantity and type.                             |

## 6. SPECIFICATIONS

- **Model:** Jacuzzi 15 TP
- **Filter Type:** High-Flow Sand Filter
- **Tank Material:** Rotomolded Polyethylene
- **Filtration Rate:** 880 m³/m²/day
- **Multi-Port Valve:** Six-position
- **Approximate Dimensions (Packaging):** 70 x 42 x 40 cm
- **Approximate Weight (Packaging):** 11 kg

## 7. WARRANTY AND SUPPORT

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For specific warranty information, please refer to the documentation provided at the time of purchase or contact your authorized Jacuzzi dealer. Warranty terms typically cover manufacturing defects for a specified period.

If you encounter issues not covered in the troubleshooting section or require technical assistance, please contact Jacuzzi customer support or your product retailer. Ensure you have your model number (15 TP) and purchase details available when seeking support.

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