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› Pentair Flotec Waterpress Inox 1000 Domestic Water Pump Instruction Manual

Flotec N5209570

Pentair Flotec Waterpress Inox 1000 Domestic Water Pump

Instruction Manual

1. INTRODUCTION AND OVERVIEW

The Flotec Waterpress Inox 1000 is a domestic water pressure boosting system designed for reliable water supply. It features a self-priming jet pump constructed from corrosion-resistant stainless steel and is coupled with a durable 24-liter steel pressure tank. This system is particularly well-suited for maintaining consistent water pressure in domestic water systems and for automating irrigation tasks. The unit comes equipped with a standard Schuko plug for electrical connection.



Figure 1.1: Overall view of the Flotec Waterpress Inox 1000 domestic water pump system.

2. SAFETY INFORMATION

Read all safety warnings and instructions carefully before installing, operating, or performing maintenance on this product. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage. Keep this manual for future reference.

- **Electrical Safety:** Ensure the power supply matches the pump's specifications (230 Volts, 50 Hz). Always connect the pump to a properly grounded outlet. Do not operate the pump with a damaged power cord or plug. Disconnect power before any service or maintenance.
- **Water Safety:** Do not pump flammable or corrosive liquids. The pump is designed for clean water only. Protect the pump from freezing temperatures.
- **Installation:** Install the pump in a dry, well-ventilated area, protected from direct sunlight and rain. Ensure stable mounting to prevent vibration.
- **Children and Pets:** Keep children and pets away from the pump during operation.
- **Pressure:** The system operates under pressure. Ensure all connections are secure and leak-free. Do not exceed the maximum operating pressure.

3. PRODUCT COMPONENTS

The Flotec Waterpress Inox 1000 system comprises several key components:

- **Self-Priming Jet Pump:** Features a corrosion-resistant stainless steel casing and an 800 W motor.
- **Pressure Tank:** A 24-liter steel tank designed to store pressurized water and reduce pump cycling.
- **Pressure Switch/Controller:** Automatically starts and stops the pump based on system pressure.
- **Pressure Gauge:** Displays the current system pressure.
- **Flexible Connection Hose:** Connects the pump to the pressure tank.
- **Power Cable with Schuko Plug:** For electrical connection.



Figure 3.1: Close-up view of the pump body, showing the stainless steel casing and integrated pressure gauge.

4. SETUP AND INSTALLATION

Proper installation is crucial for the efficient and safe operation of your Waterpress Inox 1000 pump. Refer to the diagrams below for guidance.

1. **Location:** Place the pump on a firm, level surface in a dry, frost-free, and well-ventilated area. Ensure it is easily accessible for maintenance.
2. **Suction Line Connection:** Connect the suction line from your water source (e.g., well, cistern) to the pump's inlet. Ensure the suction line is airtight and has a foot valve with a strainer at its end to prevent debris from entering the pump. The pump is self-priming, but for initial startup, the pump housing should be filled with water.
3. **Discharge Line Connection:** Connect the discharge line from the pump to your domestic water system or irrigation system. Use appropriate fittings and ensure all connections are watertight.
4. **Electrical Connection:** Plug the pump's Schuko plug into a properly grounded 230V, 50Hz electrical outlet. Ensure the circuit is protected by a residual current device (RCD).
5. **Priming (Initial Start-up):** Before the first use, unscrew the priming plug on the pump housing and fill the pump completely with water. Replace the plug securely. This step is essential for the self-priming function to work effectively.



Figure 4.1: Example installation diagram illustrating the pump connected to a water source and supplying both domestic and irrigation systems.

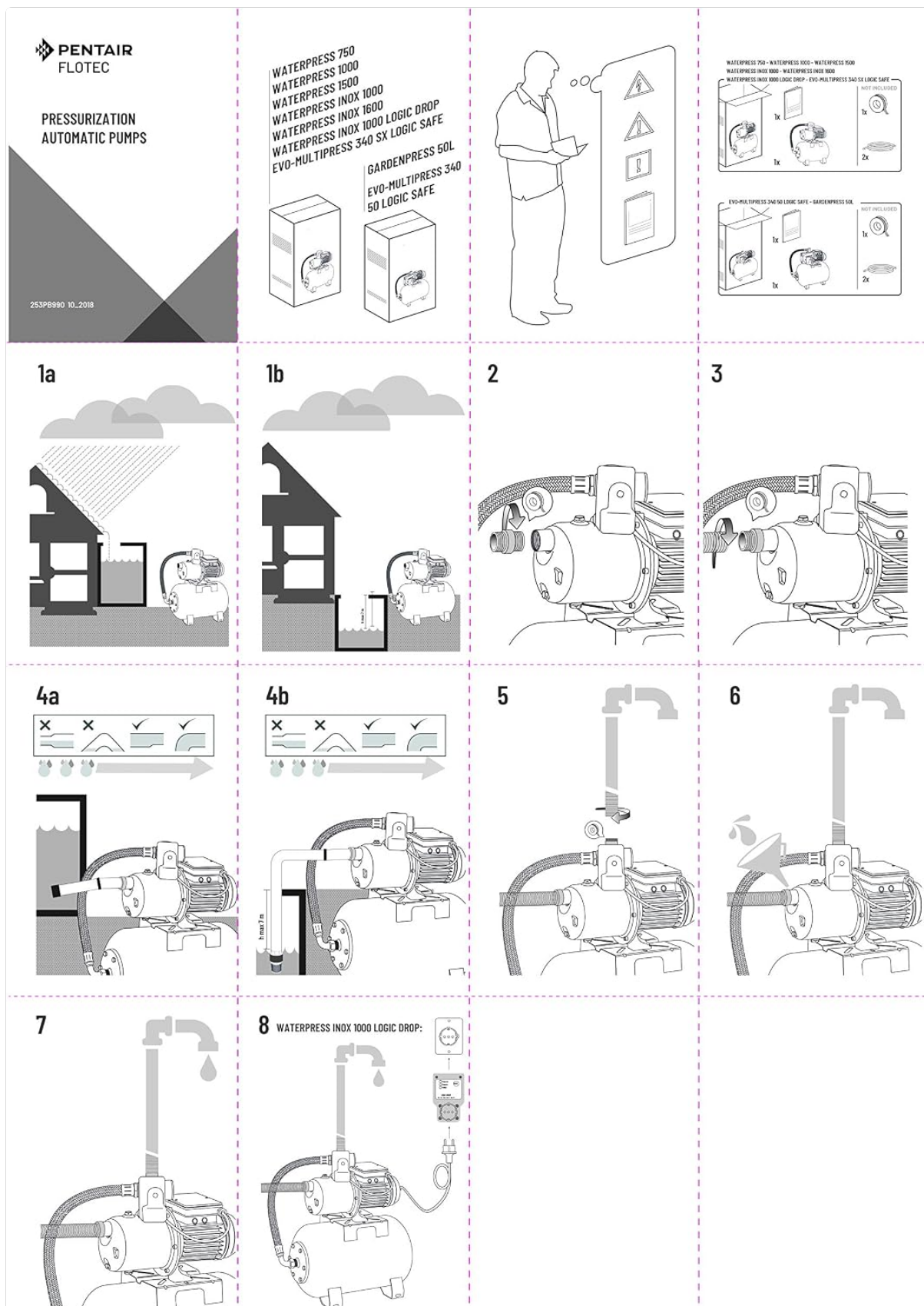


Figure 4.2: Step-by-step visual guide for pump installation, including priming and connection details.

5. OPERATING INSTRUCTIONS

Once installed and primed, the Waterpress Inox 1000 operates largely automatically.

1. **Initial Start-up:** After priming the pump (Section 4, Step 5), plug in the power cable. The pump will

start and build pressure in the tank. It will automatically shut off once the preset pressure is reached.

2. **Automatic Operation:** The pressure switch monitors the system pressure. When water is drawn from the system (e.g., opening a tap), the pressure in the tank drops. Once it falls below a certain threshold, the pump will automatically switch on to replenish the pressure. When the water demand stops and the pressure reaches the upper threshold, the pump will switch off.
3. **Monitoring:** Periodically check the pressure gauge to ensure the system is operating within expected pressure ranges.



Figure 5.1: The Pentair Flotec Logic-Drop accessory, which can be used for additional pump protection and control, indicating power, pump operation, and failure status.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pump system.

- **Check for Leaks:** Periodically inspect all connections and hoses for any signs of leaks. Tighten connections as needed.
- **Clean Strainer:** If your suction line includes a foot valve with a strainer, regularly check and clean it to prevent blockages and maintain efficient water flow.
- **Pressure Tank Air Charge:** The pressure tank contains an internal membrane and an air charge. Over time, the air charge may decrease, leading to frequent pump cycling. This membrane may need to be re-inflated periodically. Consult a qualified technician if you suspect the air charge is low or the membrane requires service.
- **Winterization:** In areas subject to freezing temperatures, drain the pump and all associated piping to prevent damage from freezing water. Disconnect the power supply and store the pump in a frost-free location if possible.
- **General Cleaning:** Keep the exterior of the pump clean and free from dust and debris to ensure proper ventilation.

7. TROUBLESHOOTING

Before contacting customer support, review the following common issues and their potential solutions.

Problem	Possible Cause	Solution
Pump does not start	No power; tripped circuit breaker; motor overload; seized impeller	Check power connection and circuit breaker. Allow motor to cool if overloaded. Inspect impeller for obstructions.
Low or no water pressure	Insufficient priming; air leak in suction line; clogged strainer; low water source level; pressure tank air charge low	Re-prime the pump. Check all suction line connections for leaks. Clean the foot valve strainer. Ensure adequate water in the source. Check and re-inflate pressure tank air charge.

Problem	Possible Cause	Solution
Pump runs continuously or cycles frequently	Leak in discharge line or domestic system; pressure tank air charge low; faulty pressure switch	Check for leaks in the plumbing system. Check and re-inflate pressure tank air charge. Inspect or replace pressure switch if faulty.
Pump is noisy	Air in pump; cavitation; bearing wear	Ensure pump is fully primed and suction line is airtight. Ensure adequate water supply. Contact service for bearing issues.

8. SPECIFICATIONS

Specification	Value
Manufacturer	FLOTEC
Model Number	N5209570
Dimensions (L x W x H)	48 x 27.5 x 56 cm
Weight	14 Kilograms
Material	Stainless Steel
Power Source	Electric Cable
Voltage	230 Volts
Power	800 Watts
Max Flow Rate	3300 Liters per hour (approx. 55 Liters per minute)
Max Head	46 meters / 4.6 bar
Tank Capacity	24 Liters

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. Information regarding spare parts availability is not provided in this manual. For technical support or service, please contact the authorized Flotec service center or your product supplier.

