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› [TROTEC](#) /

› [TROTEC TGP 1025 EF Domestic Water Pump Instruction Manual](#)

TROTEC TGP 1025 EF

TROTEC TGP 1025 EF Domestic Water Pump Instruction Manual

Model: TGP 1025 EF

1. INTRODUCTION

1.1 Product Description

The TROTEC TGP 1025 EF is a powerful domestic water pump designed for various applications, including clear water extraction, domestic water supply, and garden irrigation. It features a robust 1000 W motor, capable of delivering up to 3,500 liters of water per hour.

1.2 Intended Use

This pump is suitable for pumping clear water from wells, cisterns, or rain barrels to supply water to households, irrigate gardens, or operate washing machines and toilets. Its automatic start/stop system ensures efficient and consistent water pressure.

1.3 Key Features

- Powerful 1000 W motor.
- Flow rate up to 3,500 liters per hour.
- Maximum delivery head of 30 meters from a depth of 7 meters.
- Integrated dirt particle pre-filter for pump protection.
- Energy-saving automatic start/stop system for constant pressure.
- Robust, impact-resistant plastic housing with IPX4 protection.

Ideal für Haus & Garten

✓ Förderleistung 3.500 l/h

✓ Förderhöhe 30 m

✓ Leistungsaufnahme
1.000 W

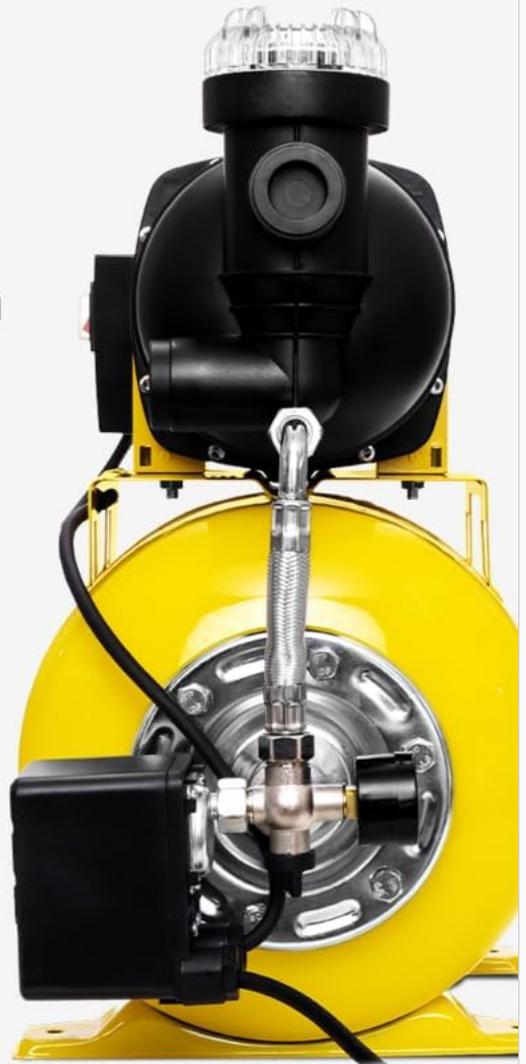


Image 1.1: The TROTEC TGP 1025 EF pump highlighting its 3500 l/h flow rate, 30m delivery head, and 1000W power consumption.

2. SAFETY INSTRUCTIONS

Read all safety warnings, instructions, illustrations, and specifications provided with this pump. Failure to follow all instructions may result in electric shock, fire, and/or serious injury.

- **Electrical Safety:** Ensure the power supply matches the pump's specifications. Always connect the pump to a properly grounded outlet. Do not operate the pump with a damaged power cord or plug. Never immerse the pump or its electrical connections in water.
- **Water Safety:** This pump is designed for clear water only. Do not use it for flammable, corrosive, or explosive liquids. Ensure all water connections are secure to prevent leaks.
- **Personal Safety:** Keep children and unauthorized persons away from the operating pump. Wear appropriate personal protective equipment if necessary.
- **Installation:** Install the pump on a stable, level surface. Ensure adequate ventilation. Do not block air vents.
- **Maintenance:** Always disconnect the pump from the power supply before performing any maintenance, cleaning, or troubleshooting.

3. PRODUCT OVERVIEW

3.1 Components and Features

Familiarize yourself with the main components and features of your TGP 1025 EF domestic water pump:

Starke Leistung, clevere Funktionen



Schutzart IPX4



Manometer



19L Tank



Stabile Füße
zur Befestigung



Image 3.1: Key features of the TGP 1025 EF pump, including IPX4 protection, pressure gauge (manometer), 19L tank, and stable mounting feet.

- **Power Switch:** Controls the pump's power.
- **Pre-filter Housing:** Contains the filter element to protect the pump from debris.
- **Pressure Gauge (Manometer):** Displays the current system pressure.
- **Pressure Tank (19L):** Stores water under pressure to reduce pump cycling.
- **Inlet Connection:** For connecting the suction hose.
- **Outlet Connection:** For connecting the discharge hose to your water system.
- **Stable Feet:** For secure placement and mounting.

3.2 Dimensions



Image 3.2: Dimensional drawing of the TGP 1025 EF pump, showing its length, width, and height, along with connection diameters.

4. SETUP

4.1 Unpacking

Carefully remove the pump and all accessories from the packaging. Inspect for any damage during transit. Retain packaging for future storage or transport.

4.2 Placement

Place the pump on a firm, level, and stable surface. Ensure it is protected from direct sunlight, rain, and frost. Maintain adequate space around the pump for ventilation and access for maintenance.

4.3 Connecting the Pump

1. **Suction Line Connection:** Connect a suitable suction hose (minimum 1 inch diameter) to the pump's inlet. Ensure the suction hose is airtight to prevent air ingress, which can affect pump performance. For optimal performance, use a foot valve with a non-return valve at the end of the suction hose in the water source.
2. **Discharge Line Connection:** Connect the discharge hose or pipe to the pump's outlet. Ensure all connections are sealed properly to prevent leaks.
3. **Filling the Pump:** Before initial operation, the pump housing and suction line must be completely filled with water through the filling opening until water overflows. This primes the pump and prevents dry running.
4. **Electrical Connection:** Plug the pump into a properly grounded electrical outlet (230 V, 50 Hz). Ensure the power cord is not damaged or pinched.

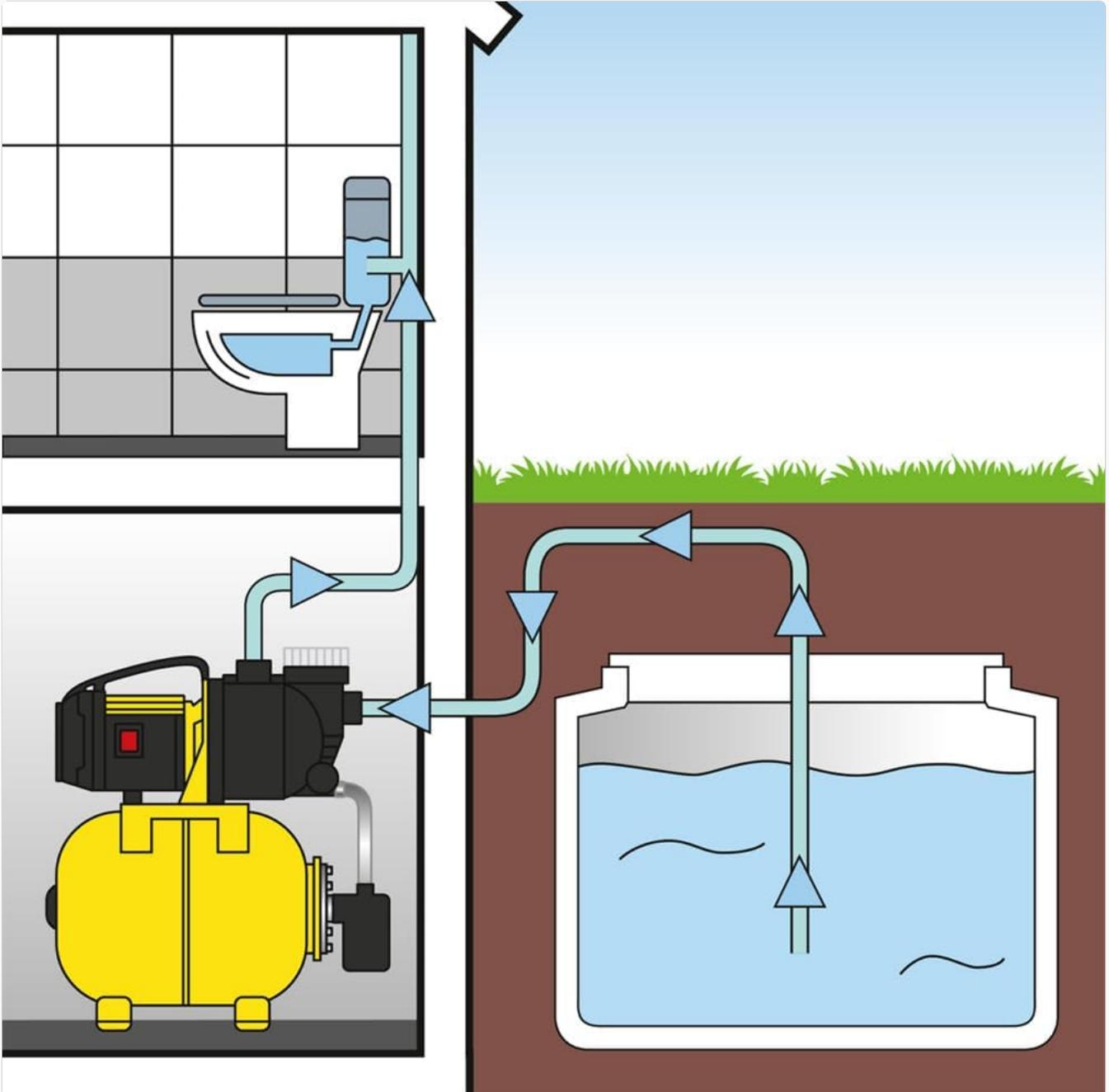


Image 4.1: Schematic diagram showing the typical installation of the domestic water pump for household water supply from a well or cistern.



Image 4.2: The TGP 1025 EF pump connected with suction and discharge hoses in a typical home environment.

5. OPERATING INSTRUCTIONS

5.1 Initial Start-up

1. Ensure the pump is properly installed and all connections are secure.
2. Verify that the pump housing and suction line are completely filled with water.
3. Open any valves in the discharge line to allow water to flow freely.
4. Switch on the pump using the power switch. The pump will start to draw water.
5. Monitor the pressure gauge to ensure stable pressure. If the pump does not draw water within a few minutes, switch it off, check for air leaks, and re-prime.

5.2 Automatic Operation (Auto-Restart, Auto-Stop)

The TGP 1025 EF features an automatic start/stop system. The pump will automatically start when water is drawn (e.g., opening a tap) and stop when the water flow ceases, maintaining constant pressure in the system. This feature

contributes to energy saving and extends the pump's lifespan by preventing unnecessary continuous operation.

5.3 Shutting Down

To temporarily shut down the pump, simply close all water outlets. The pump will automatically stop. For extended periods of non-use, switch off the pump at the power switch and disconnect it from the mains supply.



Image 5.1: The TGP 1025 EF pump can be used for various domestic and garden water supply needs, such as showers, garden irrigation, and washing machines.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pump. Always disconnect the pump from the power supply before any maintenance work.

6.1 Pre-filter Cleaning

The integrated pre-filter protects the pump from dirt particles. Check and clean the pre-filter regularly, especially if you notice a decrease in pump performance or flow rate.

1. Disconnect the pump from the power supply.
2. Close any valves in the suction and discharge lines.
3. Carefully unscrew the pre-filter housing.
4. Remove the filter element and rinse it thoroughly under clean running water.
5. Inspect the filter element for damage and replace if necessary.
6. Reassemble the pre-filter, ensuring the seal is correctly seated, and tighten the housing.

6.2 Winter Storage

If the pump will not be used during freezing temperatures, it must be completely drained to prevent damage from ice. Disconnect all hoses and open any drain plugs to ensure all water is removed from the pump and lines. Store the pump in a dry, frost-free location.

6.3 General Care

- Keep the pump clean and free from dirt and debris.
- Regularly check all connections for leaks.
- Inspect the power cord for any signs of damage.

7. TROUBLESHOOTING

Before contacting customer support, please refer to the following troubleshooting guide for common issues:

Problem	Possible Cause	Solution
Pump does not start	No power supply Power switch off Motor overload protection triggered	Check power connection and fuse Turn power switch ON Allow pump to cool down, then restart
Pump runs but does not deliver water	Pump not primed (air in system) Suction line leak Water source empty Pre-filter clogged	Re-prime the pump and suction line Check all suction line connections for airtightness Refill water source Clean the pre-filter
Low flow rate or pressure	Pre-filter clogged Partial blockage in suction or discharge line Air in the system	Clean the pre-filter Check and clear any blockages Re-prime the pump
Pump cycles on and off frequently	Leak in the discharge system Pressure tank issue (if applicable)	Check all discharge connections and fixtures for leaks Consult a specialist if pressure tank is suspected

8. TECHNICAL SPECIFICATIONS

Specification	Value
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Specification	Value
Manufacturer	TROTEC
Model Number	TGP 1025 EF
Power	1000 Watts
Maximum Flow Rate	3500 Liters per hour
Maximum Head Lift	30 Meters
Power Source	Corded Electric
Material	Aluminum and Plastic
Color	Yellow
Item Weight	10.7 Kilograms
Protection Rating	IPX4

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official TROTEC website. Keep your proof of purchase for any warranty claims.