

Einhell GC-WW 6538

Einhell GC-WW 6538 Domestic Water Unit

INSTRUCTION MANUAL

Model: GC-WW 6538 | Brand: Einhell

1. Introduction

This manual provides essential information for the safe and efficient operation of your Einhell GC-WW 6538 Domestic Water Unit. Please read these instructions carefully before initial use and keep them for future reference. The GC-WW 6538 is designed for conveying clear water from various sources such as reservoirs, fountains, and shafts, suitable for irrigation systems, washing equipment, and toilet flushes. It features a robust 650-watt motor, a 20-liter pressure boiler, an integrated pressure switch, and a pressure gauge.

2. Safety Instructions

Always observe general safety regulations when operating electrical equipment. Ensure the unit is placed on a stable, level surface. Do not operate the pump with flammable or corrosive liquids. Disconnect the power supply before performing any maintenance or cleaning. Protect the unit from frost. Use only original spare parts and accessories.

- Ensure proper electrical grounding.
- Do not run the pump dry.
- Keep children and unauthorized persons away from the operating unit.
- Wear appropriate personal protective equipment if necessary.

3. Product Features

- **High-quality pump technology:** Equipped with a robust 20-liter container for flexible water supply.
- **Integrated pressure switch:** Automatically regulates water pressure, switching the pump on when pressure falls and off when maximum pressure is reached.
- **Pressure gauge:** Provides a quick and clear reading of the current water pressure.
- **Easy water management:** Features a water filling screw for effortless filling and a water drain plug for thorough emptying.
- **Robust connections:** 33.3 mm (R1 AG) connections for quick and easy hose adapter attachment.
- **Included accessory:** Comes with a seven-meter-long suction hose.

4. Setup

Proper setup is crucial for the optimal performance and longevity of your domestic water unit.

1. **Unpacking:** Carefully remove all components from the packaging. Ensure all parts are present and undamaged.
2. **Placement:** Position the unit on a firm, level surface, protected from weather and frost. Ensure adequate ventilation.
3. **Connecting the Suction Hose:** Attach the included 7-meter suction hose to the suction inlet of the pump. Ensure a tight, airtight connection to prevent air ingress, which can impair pump performance.



Image: The included 7-meter suction hose with connectors, ready for attachment to the pump unit.

4. **Connecting the Pressure Line:** Connect the pressure line (not included) to the pressure outlet of the pump. The unit features robust 33.3 mm (R1 AG) connections.

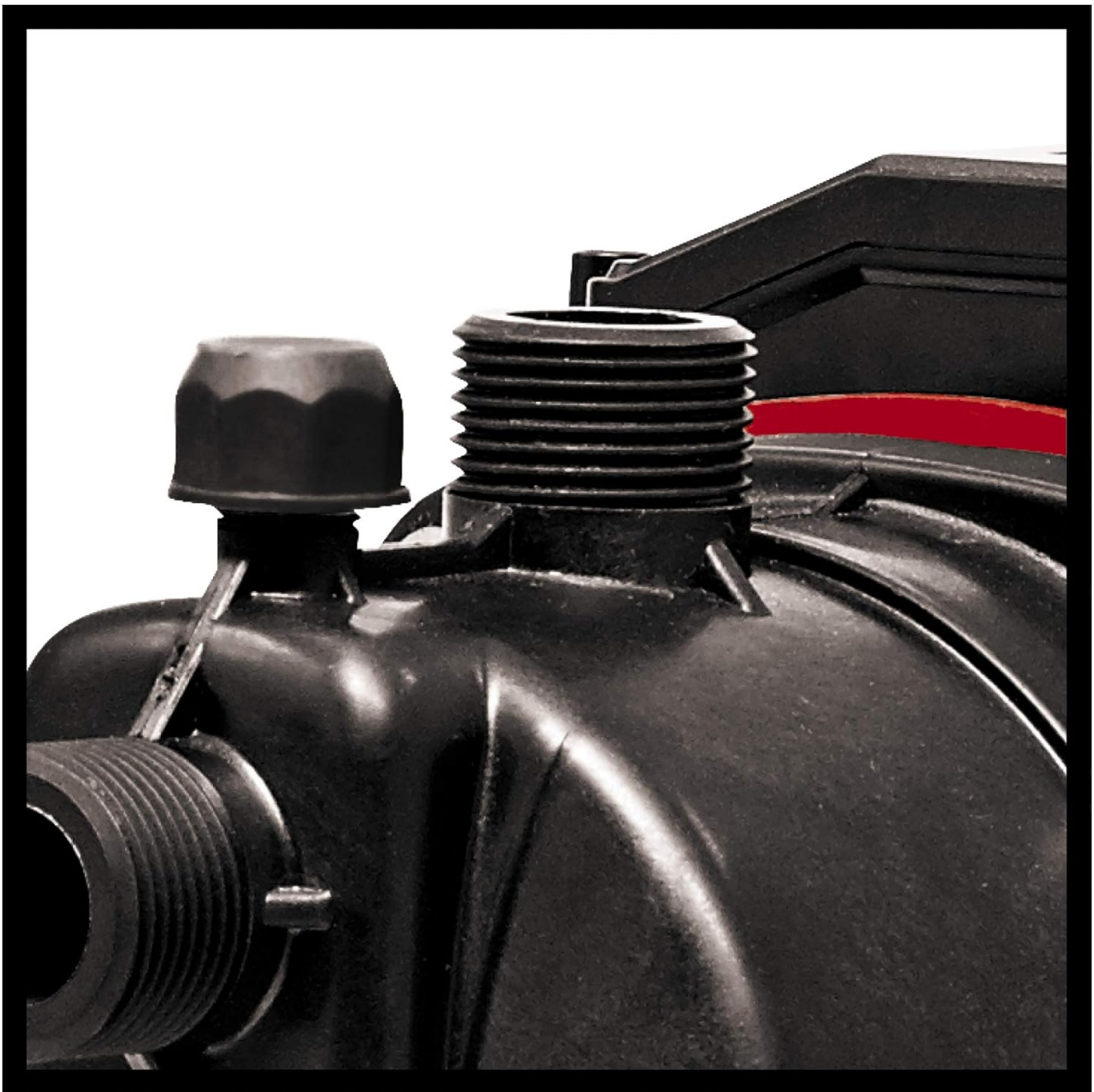


Image: Close-up of the pump's connection point, showing the threaded inlet for secure hose attachment.

5. **Filling with Water:** Before starting, fill the pump housing completely with water through the water filling screw. This is essential for priming the pump.
6. **Electrical Connection:** Connect the unit to a properly grounded power outlet (230 Volts AC).

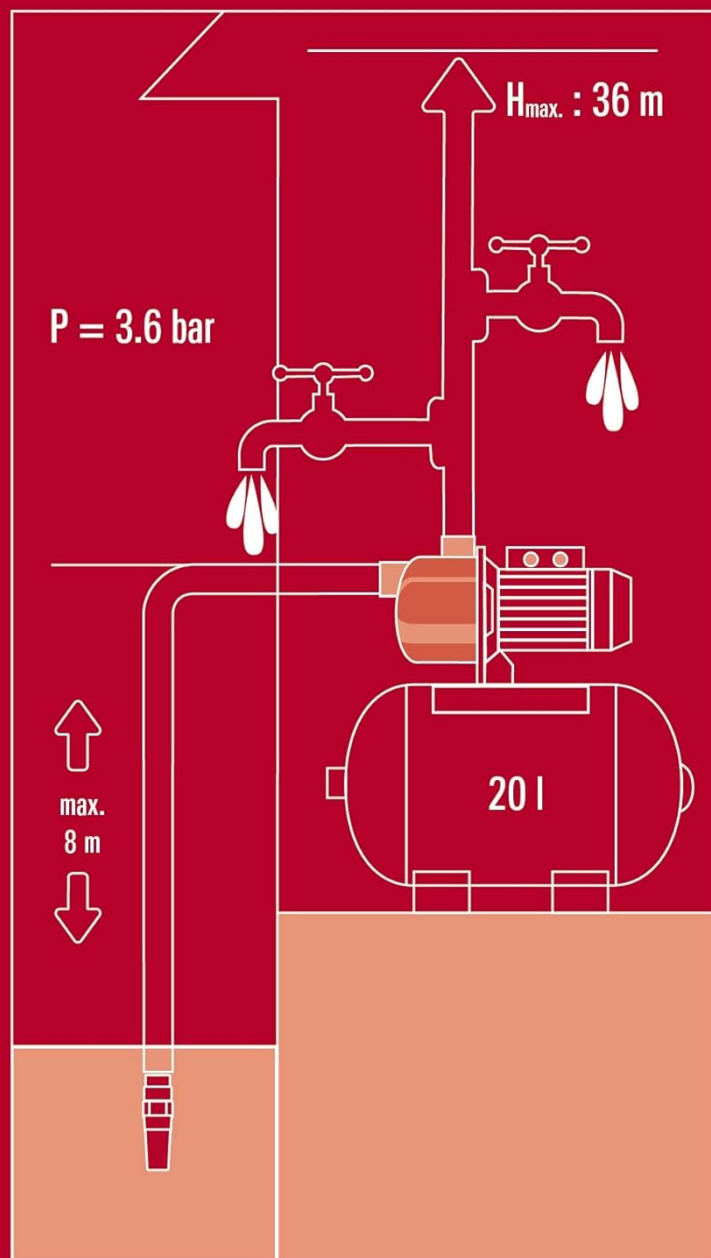


Image: Diagram illustrating a typical installation setup for the domestic water unit, showing suction from a well and distribution to multiple taps, with a maximum suction height of 8m and maximum delivery height of 36m.

5. Operating Instructions

The Einhell GC-WW 6538 is designed for automatic operation.

1. **Initial Start-up:** After filling the pump housing with water and connecting all hoses, plug in the unit. The pump will start automatically to build pressure in the 20-liter container.
2. **Automatic Operation:** The integrated pressure switch monitors the system pressure. When water is drawn (e.g., by opening a tap), the pressure in the container drops, and the pump automatically switches on to replenish the pressure. Once the maximum pressure (3.6 bar) is reached, the pump switches off.



Image: Close-up view of the integrated pressure switch and pressure gauge on the Einhell domestic water unit.

3. **Monitoring Pressure:** The built-in pressure gauge allows you to monitor the system pressure at a glance.



Image: Detailed view of the pressure gauge, indicating pressure in PSI and Bar, allowing for easy monitoring of the system's operational status.



Image: The complete Einhell GC-WW 6538 Domestic Water Unit, showcasing its red 20-liter pressure tank, pump, and integrated controls.

6. Maintenance

Regular maintenance ensures the longevity and reliable operation of your domestic water unit.

- **Cleaning:** Periodically clean the exterior of the unit with a damp cloth. Do not use abrasive cleaners.
- **Water Drain:** For thorough emptying, especially before periods of non-use or before winter to prevent frost damage, use the water drain plug.



Image: Icon indicating the water drain plug, essential for emptying the unit.

- **Frost Protection:** In colder climates, ensure the unit is completely drained and stored in a frost-free environment during winter months.
- **Check Connections:** Regularly inspect all hose connections for leaks and ensure they are securely fastened.

7. Troubleshooting

This section addresses common issues you might encounter with your domestic water unit.

Problem	Possible Cause	Solution
Pump does not start	No power supply; Motor protection triggered; Air in pump.	Check power connection; Allow motor to cool; Prime pump by filling with water.
Low pressure or no water delivery	Suction line not airtight; Suction height too high; Filter clogged; Water source empty.	Check all suction connections for leaks; Reduce suction height; Clean filter; Ensure adequate water supply.

Problem	Possible Cause	Solution
Pump runs continuously	Leak in pressure line; Pressure switch faulty.	Inspect pressure lines for leaks; Contact customer support for pressure switch inspection.

8. Specifications

Technical data for the Einhell GC-WW 6538 Domestic Water Unit.

Feature	Value
Model Number	4173193
Power Input	650 Watts
Voltage	230 Volts AC
Maximum Flow Rate	3800 Liters Per Hour
Maximum Pressure	3.6 Bar
Maximum Delivery Height	36 meters
Maximum Suction Height	8 meters
Container Volume	20 Liters
Connections	33.3 mm (R1 AG)
Item Weight	10.5 Kilograms (approx. 23.1 pounds)
Product Dimensions	19.69 x 10.63 x 19.49 inches

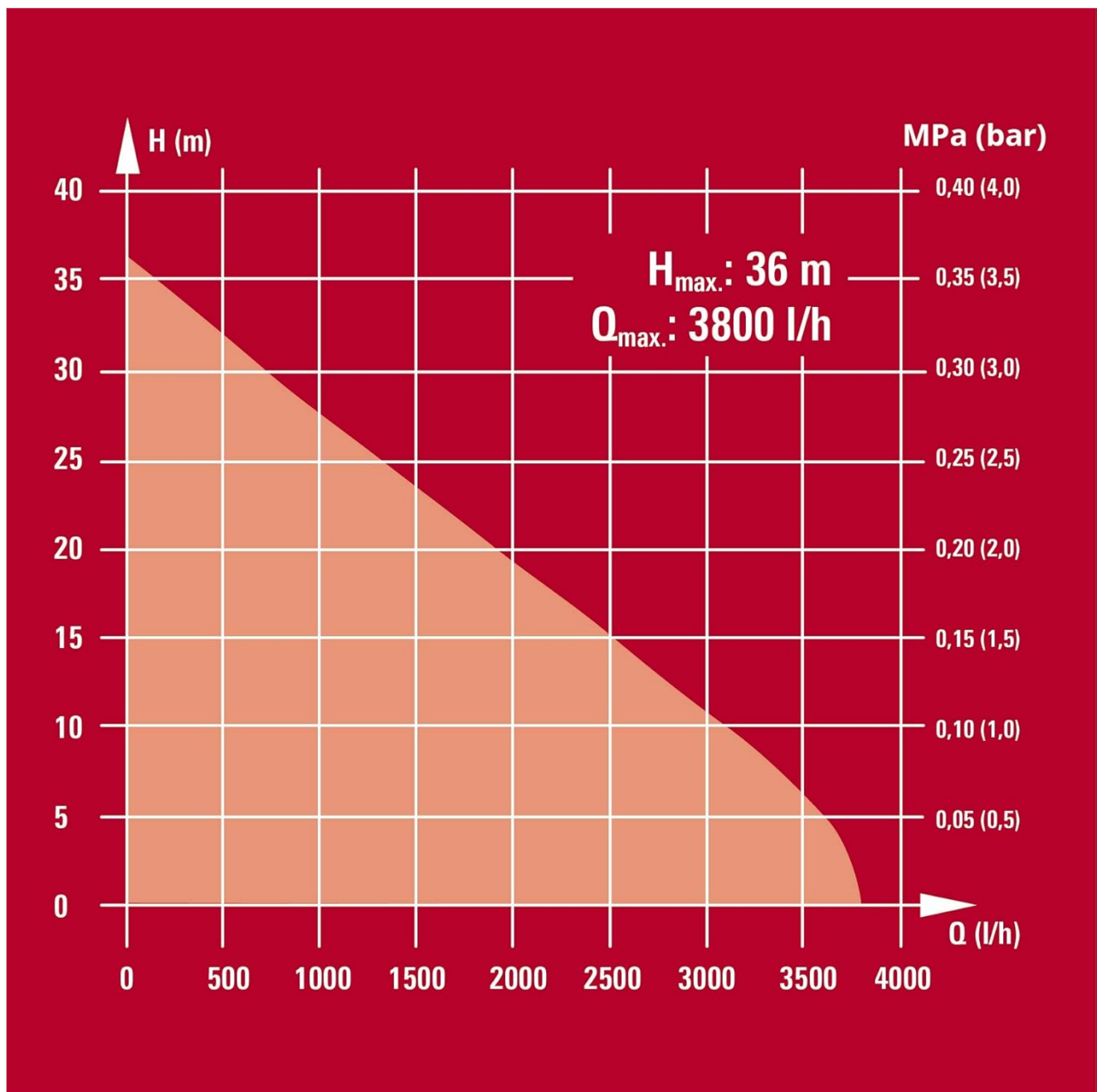


Image: Performance curve graph showing the relationship between delivery height (H) and flow rate (Q) for the Einhell GC-WW 6538, with maximums of 36m and 3800 l/h respectively.

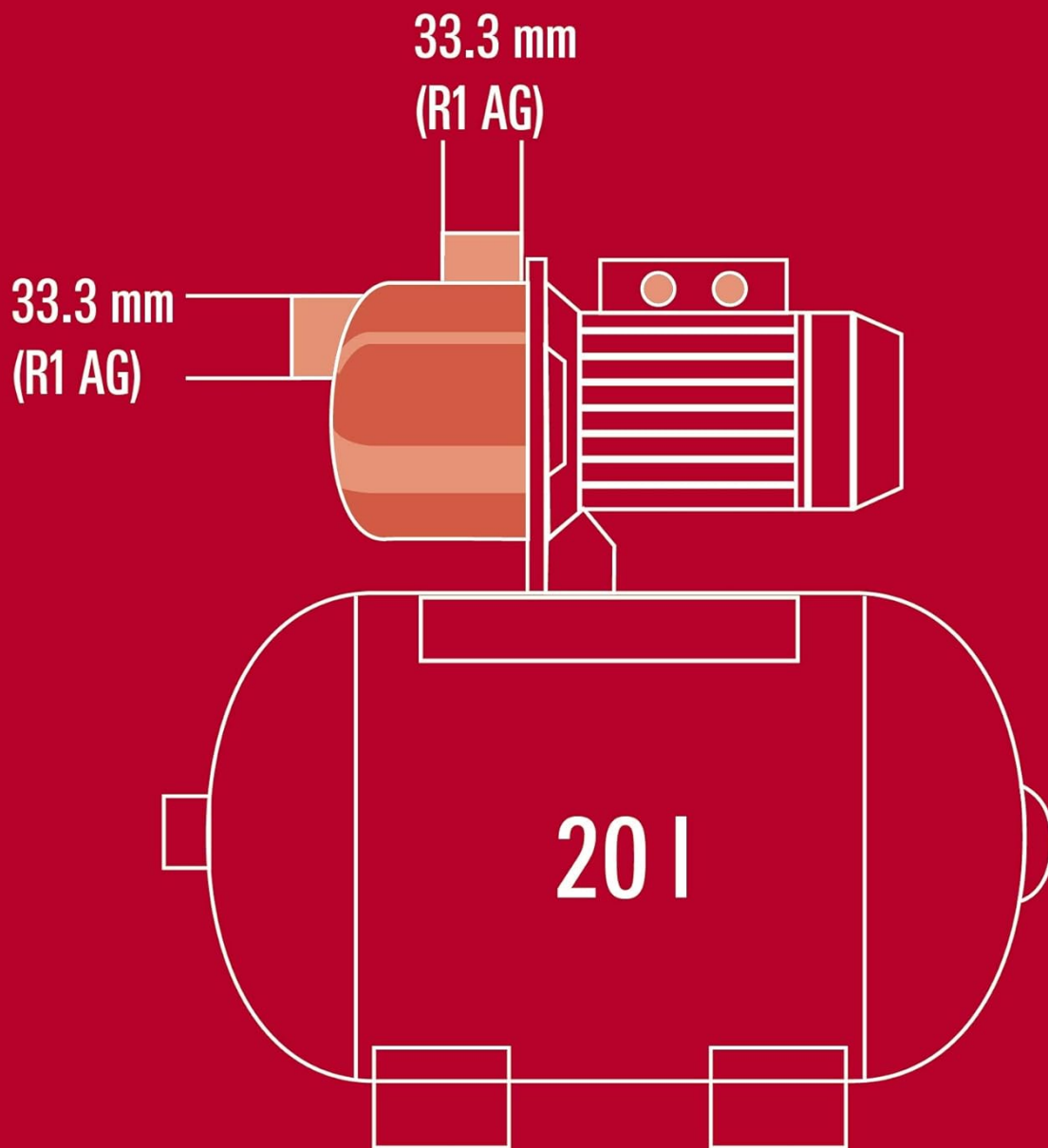


Image: Diagram illustrating the key dimensions and connection points (33.3 mm R1 AG) of the Einhell GC-WW 6538 unit, including the 20-liter tank.

9. Warranty and Support

Einhell products are manufactured with quality and reliability in mind. For specific warranty information, please refer to the warranty card included with your product or visit the official Einhell website. In case of technical issues or questions not covered in this manual, please contact Einhell customer support. Have your model number (GC-WW 6538) and serial number ready when contacting support.

For further assistance, you may visit the official Einhell website: www.einhell.com