

Einhell 4173190

Einhell GC-WW 6538 Domestic Water Supply Plant User Manual

Model: 4173190

1. PRODUCT OVERVIEW

The Einhell GC-WW 6538 Domestic Water Supply Plant is designed to efficiently draw purified water from various sources such as reservoirs, wells, and fountains. It is ideal for supplying service water to irrigation systems, cleaning equipment, toilet cisterns, and other domestic applications. This robust unit features a 650W motor capable of pumping up to 3800 liters of water per hour.

The system includes a 20-liter pressure boiler, which minimizes pump activation by storing a reserve of water. An integrated pressure switch automatically turns the pump on when pressure drops and off once the maximum pressure is reached. A built-in pressure gauge allows for easy monitoring of the system's pressure.



Figure 1.1: The Einhell GC-WW 6538 Domestic Water Supply Plant, showcasing its red tank and black pump housing.

2. SETUP AND INSTALLATION

Proper setup is crucial for the optimal performance and longevity of your domestic water supply plant. Ensure the unit is placed on a stable, level surface in a dry, well-ventilated area, protected from frost and direct sunlight.

2.1. Placement

Position the unit as close as possible to the water source to minimize suction lift. Ensure there is adequate space around the unit for ventilation and maintenance access.





Figure 2.1: Example installation of the Einhell GC-WW 6538 in a utility area, demonstrating typical placement near a washing machine.

2.2. Connections

Connect the suction line from your water source to the pump's inlet. Ensure all connections are airtight to prevent air from entering the system, which can affect performance. Connect the pressure line from the pump's outlet to your domestic water supply system (e.g., irrigation, toilet cisterns).

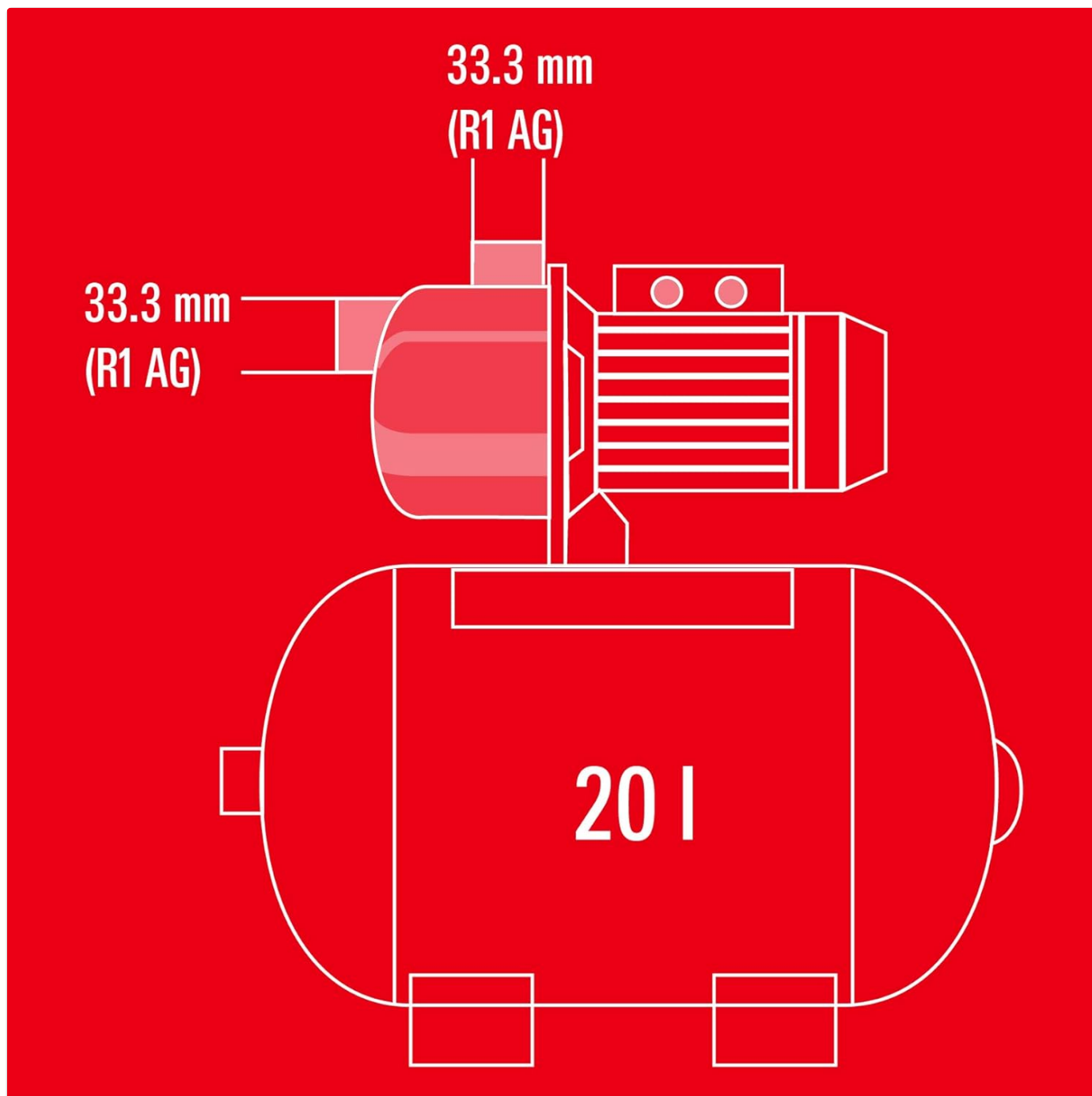


Figure 2.2: Schematic diagram illustrating the connections for the water supply plant, including the 20-liter tank and pipe fittings.

2.3. Initial Filling

Before first use, the pump must be filled with water. Locate the water filling screw on the pump housing. Unscrew it and fill

the pump completely with water until it overflows. Replace the screw tightly.

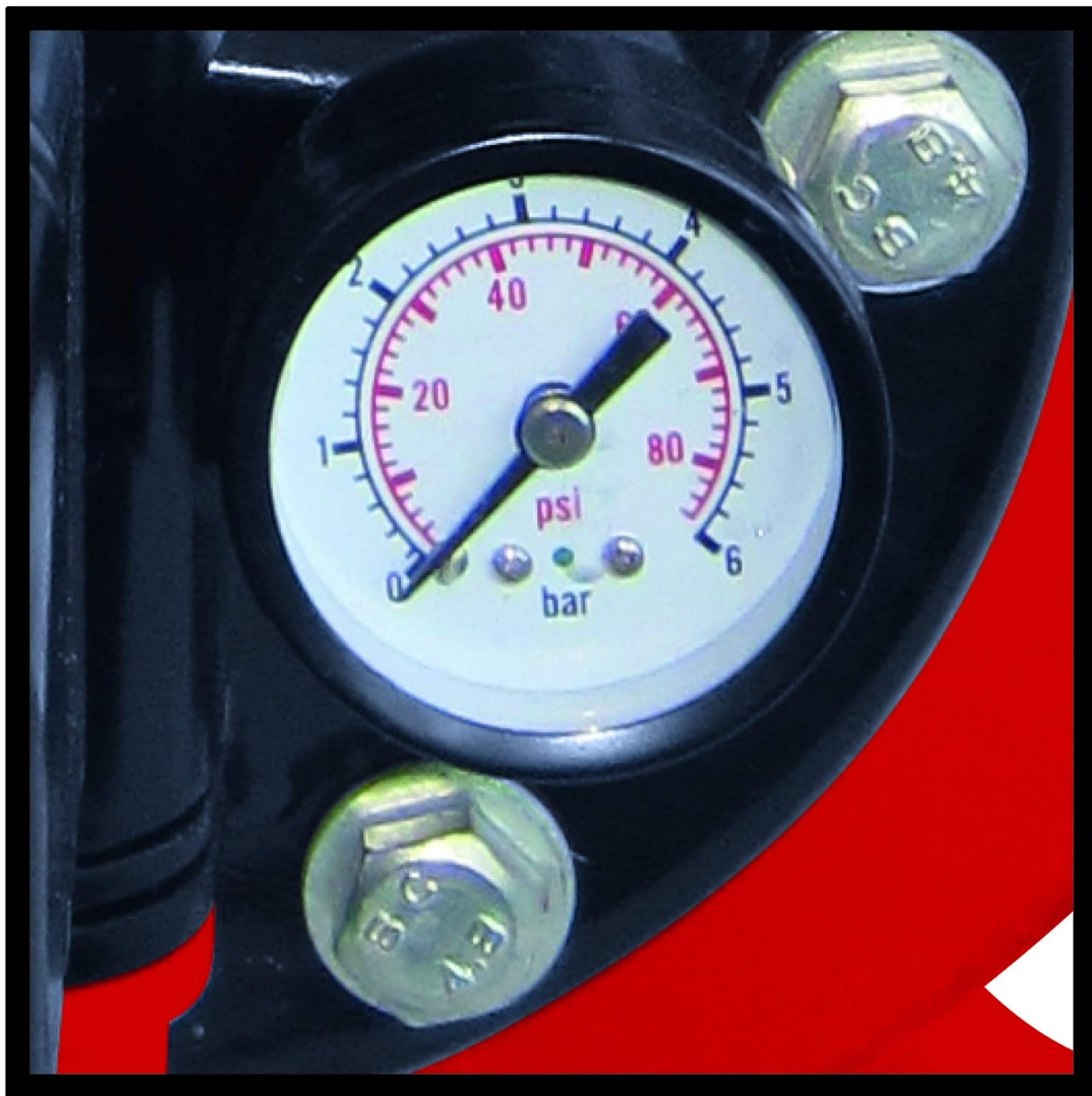


Figure 2.3: Detail of the water filling screw, located on the top of the pump housing, used for priming the unit.

3. OPERATING INSTRUCTIONS

Once properly installed and filled, the Einhell GC-WW 6538 operates largely automatically.

3.1. Powering On

Connect the power cord to a suitable electrical outlet (240 Volts). The integrated pressure switch will monitor the system pressure.

3.2. Automatic Operation

The pump will automatically activate when the pressure in the system drops below a preset minimum (e.g., when a tap is opened). It will then pump water until the maximum pressure is reached, at which point it will automatically shut off. This ensures efficient operation and reduces wear on the pump.



Figure 3.1: Close-up view of the integrated pressure switch and the pressure gauge, key components for automatic operation.

3.3. Monitoring Pressure

The built-in pressure gauge provides a real-time reading of the system pressure. This allows you to quickly assess the operational status of the unit.



Figure 3.2: Detailed view of the pressure gauge, indicating pressure in both PSI and Bar units.

4. MAINTENANCE

Regular maintenance ensures the long-term reliability and performance of your Einhell GC-WW 6538.

4.1. Water Drainage

For periods of non-use, especially during freezing temperatures, it is essential to completely drain the water from the pump and tank to prevent damage. Use the water bleed screw for convenient emptying of residual water.



Figure 4.1: Symbolic representation of the water drain plug, indicating the point for complete water removal.

4.2. Cleaning

Keep the exterior of the unit clean and free from dust and debris. Do not use harsh chemicals or abrasive cleaners.

4.3. Frost Protection

If the unit is installed in an area prone to freezing, ensure it is either drained completely or adequately protected from frost to prevent internal damage.

5. TROUBLESHOOTING

This section provides guidance for common issues you might encounter with your domestic water supply plant.

5.1. No Water Flow / Low Pressure

- **Check Water Source:** Ensure the water source (well, reservoir) has sufficient water.

- **Check Suction Line:** Verify that the suction line is not blocked, kinked, or leaking air. An airtight connection is crucial.
- **Prime the Pump:** If the pump was recently drained or installed, ensure it is properly filled with water (primed) as described in Section 2.3.
- **Check Pressure Gauge:** Observe the pressure gauge. If it reads zero or very low, the pump may not be engaging or there's an issue with water intake.

5.2. Pump Runs Continuously

- **Check for Leaks:** Inspect all connections and pipes for leaks in your domestic water system. Even small leaks can cause pressure drops, leading the pump to run constantly.
- **Pressure Switch Malfunction:** The integrated pressure switch might be faulty or incorrectly set. Consult a qualified technician if you suspect this.
- **Insufficient Water Supply:** If the water source is running low, the pump may struggle to build pressure and run continuously.

5.3. Unusual Noises

- **Air in System:** Gurgling or rattling noises often indicate air in the pump or suction line. Re-prime the pump and check for airtight connections.
- **Debris:** Foreign objects in the pump impeller can cause noise and damage. Disconnect power and inspect if safe to do so, or consult a professional.

For issues not covered here or if troubleshooting steps do not resolve the problem, please contact qualified service personnel.

6. SPECIFICATIONS

Detailed technical specifications for the Einhell GC-WW 6538 Domestic Water Supply Plant.

| Feature | Specification |
|--------------------------------|-------------------------------|
| Model Number | 4173190 |
| Power (Wattage) | 650 watts |
| Voltage | 240 Volts |
| Maximum Flow Rate | 3800 Liters Per Hour |
| Maximum Pressure | 3.6 bar |
| Tank Volume | 20 Liters |
| Maximum Head | 36 meters |
| Maximum Suction Height | 8 meters |
| Product Dimensions (L x W x H) | 19.49" x 10.63" x 19.88" |
| Item Weight | 22.8 pounds (10.38 Kilograms) |
| Material | Metall |
| Color | Black Red |

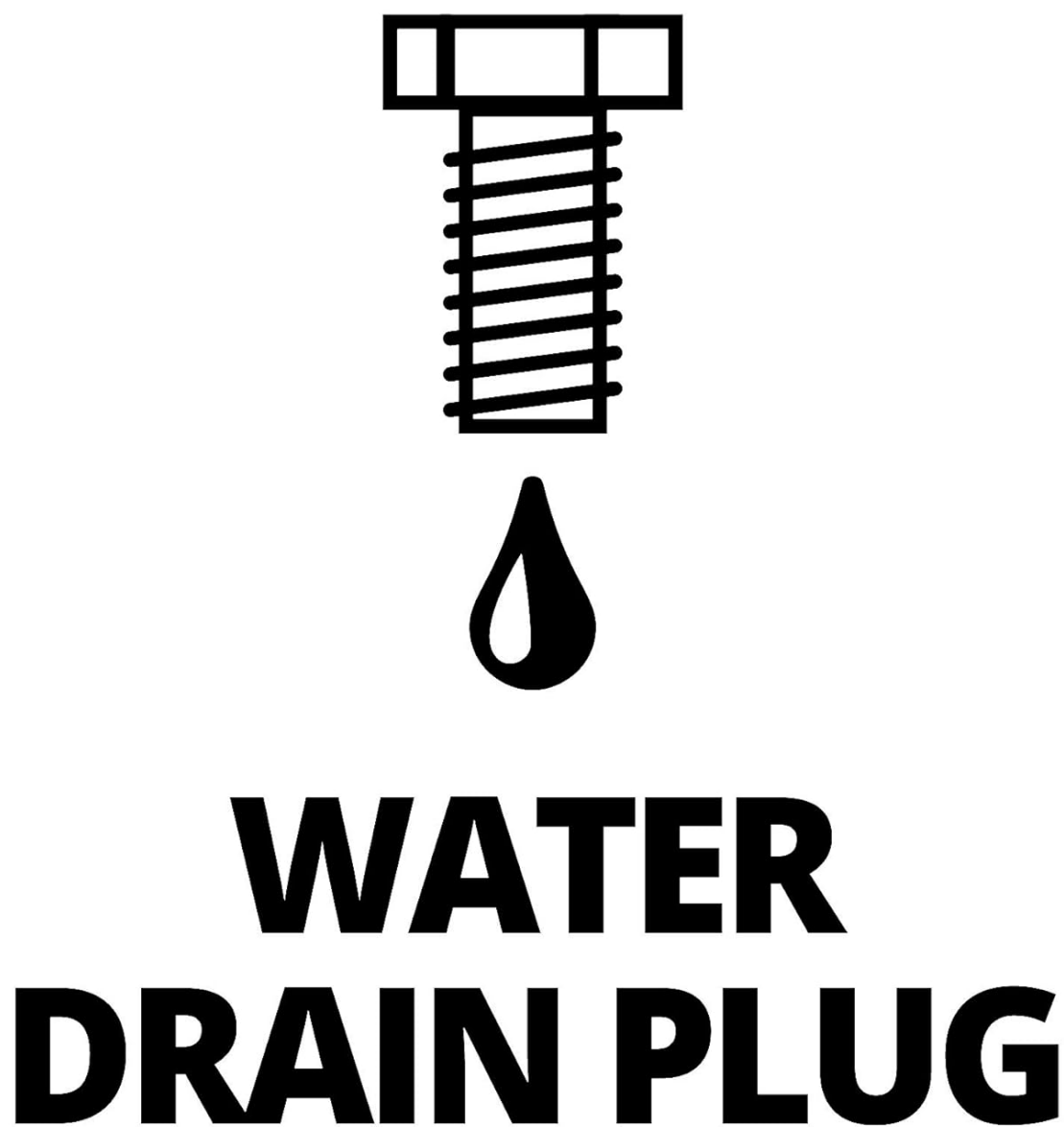



Figure 6.1: Performance curve illustrating the relationship between head (H) and flow rate (Q) for the pump.

7. WARRANTY AND SUPPORT

For information regarding warranty coverage, terms, and conditions, please refer to the documentation provided with your purchase or contact the authorized Einhell dealer or customer support directly. Keep your proof of purchase for warranty claims.

For technical support, spare parts, or service inquiries, please visit the official Einhell website or contact their customer service department. Always provide the model number (GC-WW 6538) and serial number (if applicable) when seeking support.

Related Documents - 4173190

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|---|---|
|  | <p>Einhell GC-AW 6333 Hauswasserautomat Bedienungsanleitung</p> <p>Bedienungsanleitung für die Einhell GC-AW 6333 Hauswasserautomat. Enthält Informationen zur Installation, Bedienung, Wartung und Sicherheit des automatischen Hauswasserwerks.</p> |
|  | <p>Einhell GC-SC 18/28 Li Akku-Vertikutierer und Rasenlüfter Bedienungsanleitung</p> <p>Die offizielle Bedienungsanleitung für den Einhell GC-SC 18/28 Li Akku-Vertikutierer und Rasenlüfter. Enthält Sicherheitshinweise, Bedienung, Wartung und Fehlerbehebung für Ihr Gartengerät.</p> |
|  | <p>Einhell GC-ET 4530 Elektro-Rasentrimmer - Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für den Einhell GC-ET 4530 Elektro-Rasentrimmer. Enthält Sicherheitshinweise, Montage-, Betriebs-, Wartungs- und Fehlerbehebungsinformationen.</p> |
|  | <p>Einhell GC-SP 2275 Klarwasserpumpe – Bedienungsanleitung</p> <p>Originalbetriebsanleitung für die Einhell GC-SP 2275 Klarwasserpumpe. Enthält Sicherheitshinweise, Installations-, Betriebs-, Wartungs- und Fehlerbehebungsanleitungen. Besuchen Sie www.Einhell-Service.com für weitere Informationen.</p> |
|  | <p>Einhell GC-HM 300 / GC-HM 400 Hand-Rasenmäher Bedienungsanleitung</p> <p>Offizielle Bedienungsanleitung für den Einhell GC-HM 300 und GC-HM 400 Hand-Rasenmäher. Enthält Informationen zu Sicherheit, Montage, Bedienung, Wartung und Fehlerbehebung.</p> |
|  | <p>Einhell GC-MM 52 I AS Petrol Multifunctional Tool Operating Manual</p> <p>Official operating manual for the Einhell GC-MM 52 I AS Petrol Multifunctional Tool, covering safety instructions, assembly, operation, maintenance, and troubleshooting for garden use.</p> |

