

## carbest 62056

# carbest 12V Water Pump User Manual

Model: 62056

## 1. INTRODUCTION

Thank you for choosing the carbest 12V Water Pump. This manual provides detailed instructions for the safe and efficient use of your new pump. Please read this manual thoroughly before installation and operation to ensure proper function and to prevent damage to the unit or injury to yourself. Keep this manual for future reference.

## 2. SAFETY INSTRUCTIONS

- Always disconnect power before performing any maintenance or installation.
- Ensure the pump is installed in a dry, well-ventilated area, protected from direct sunlight and freezing temperatures.
- Do not pump flammable liquids or use the pump in explosive atmospheres.
- Verify that the power supply matches the pump's voltage requirements (12V DC).
- Use appropriate wiring and fuse protection as specified in the electrical section.
- Keep children and pets away from the pump during operation.
- Do not run the pump dry for extended periods, as this can cause damage.

## 3. PRODUCT OVERVIEW

The carbest 12V Water Pump is a self-priming 3-chamber diaphragm pump designed for various applications requiring reliable water transfer. It features a robust construction for durability and includes a pre-filter for protection against debris.



**Image 1:** The carbest 12V Water Pump, showing its compact design, electrical connections, and the included pre-filter. The pump body is black with a blue label, and the inlet/outlet ports have blue caps. The small, clear pre-filter is visible in the foreground.

### Components:

- **Pump Body:** Houses the motor and diaphragm mechanism.
- **Inlet/Outlet Ports:** Connections for water intake and discharge.
- **Electrical Connections:** Wires for 12V DC power supply.
- **Mounting Feet:** For secure installation.
- **Pre-filter:** Prevents debris from entering the pump, extending its lifespan.

## 4. SETUP

---

### 4.1 Mounting the Pump

1. Select a dry, stable, and easily accessible location for the pump.
2. Ensure the mounting surface is flat and strong enough to support the pump's weight.
3. Secure the pump using appropriate screws through the mounting feet. Avoid overtightening.

### 4.2 Plumbing Connections

1. Connect the water supply hose to the pump's inlet port (usually marked 'IN' or with an arrow pointing towards the pump). Ensure the pre-filter is installed on the inlet side.
2. Connect the discharge hose to the pump's outlet port (usually marked 'OUT' or with an arrow pointing away from the pump).
3. Use hose clamps or appropriate fittings to ensure all connections are secure and leak-free.
4. Avoid kinks or sharp bends in the hoses, which can restrict flow.

### 4.3 Electrical Connections

1. Ensure the power source is 12V DC.
2. Connect the positive (+) wire from the power source to the red wire of the pump.
3. Connect the negative (-) wire from the power source to the black wire of the pump.
4. Install an inline fuse (recommended 7.5A) on the positive wire as close to the power source as possible.
5. Ensure all electrical connections are clean, tight, and protected from moisture.

## 5. OPERATING INSTRUCTIONS

---

1. Ensure all plumbing and electrical connections are correctly made and secure.
2. Open any valves in the suction line to allow water to reach the pump.
3. Turn on the 12V DC power supply to the pump.
4. The pump is self-priming and should begin to draw water. Allow a few moments for air to be purged from the system.
5. Once water flows steadily, the pump will build pressure and automatically shut off when the set pressure (2.8 bar) is reached or when the outlet is closed.
6. The pump will automatically restart when the pressure drops (e.g., when a faucet is opened).
7. To stop operation, turn off the 12V DC power supply.

## 6. MAINTENANCE

---

### 6.1 Regular Checks

- Periodically inspect all hoses and connections for leaks or damage.
- Check electrical wiring for fraying or corrosion.
- Ensure the pump is securely mounted and free from excessive vibration.

### 6.2 Pre-filter Cleaning

The pre-filter should be regularly inspected and cleaned to prevent clogging and maintain optimal flow.

1. Disconnect power to the pump.
2. Carefully unscrew the filter housing.
3. Remove the filter screen and rinse it thoroughly under clean water.
4. Inspect the filter housing for any debris and clean if necessary.
5. Reassemble the filter, ensuring the O-ring is properly seated to prevent leaks.

### 6.3 Winterization (if applicable)

If the pump is exposed to freezing temperatures, it must be drained to prevent damage.

- Disconnect power.
- Disconnect inlet and outlet hoses.
- Allow all water to drain from the pump. You may need to tilt the pump to ensure complete drainage.
- Store the pump in a warm, dry place if possible.

## 7. TROUBLESHOOTING

---

Problem	Possible Cause	Solution
Pump does not run	No power; Blown fuse; Loose wiring; Motor fault	Check power supply; Replace fuse; Secure connections; Contact support
Pump runs but no water flow	Air in system; Clogged inlet/filter; Suction leak; Low water level	Allow pump to prime; Clean filter; Check connections; Ensure adequate water supply

Problem	Possible Cause	Solution
Low flow or pressure	Clogged filter; Kinked hose; Partially closed valve; Worn diaphragm	Clean filter; Straighten hose; Open valve fully; Contact support for diaphragm replacement
Pump cycles on/off rapidly	Leak in system; Pressure switch issue; Restricted flow on discharge side	Check for leaks; Contact support; Clear discharge line

## 8. SPECIFICATIONS







Attribute	Value
Model Number	62056
Voltage	12V DC
Flow Rate	10 l/min
Shut-off Pressure	2.8 bar
Current Draw (Max)	7.5 A
Dimensions (L x W x H)	Approx. 203 x 130 x 123 mm
Pump Type	Self-priming 3-chamber diaphragm pump
Power Source	Electric Cable

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the manufacturer's official website or contact your point of purchase. Keep your proof of purchase for any warranty claims.

Manufacturer: carbest

Reference: 62056

	<p><a href="#">Carbest 3-Chamber Water Pressure Pump 62055 &amp; 62056 User Manual</a></p> <p>Comprehensive instructions for the Carbest 3-Chamber Water Pressure Pump (models 62055 and 62056), covering installation, operation, maintenance, troubleshooting, and warranty information.</p>
	<p><a href="#">Carbest 620560 4-Chamber Diaphragm Pump User Manual</a></p> <p>Comprehensive user manual for the Carbest 620560 4-Chamber Diaphragm Pump. Covers features, applications, detailed installation guide, bypass adjustment, troubleshooting, and warranty information for mobile water systems.</p>
	<p><a href="#">Carbest CozyWater 12V Warmwasserboiler Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung für den Carbest CozyWater 12V Warmwasserboiler (Modelle 670600, 670601, 670604). Enthält Informationen zu Installation, Betrieb, Sicherheitshinweisen, Wartung und Fehlerbehebung für Wohnmobile und Camper.</p>
	<p><a href="#">CARBEST AR180L Kompressor-Kühlschrank Benutzerhandbuch</a></p> <p>Umfassende Anleitung für den CARBEST AR180L Kompressor-Einbaukühlschrank, einschließlich Installation, Bedienung, Wartung und Fehlerbehebung. Erfahren Sie mehr über die technischen Spezifikationen und Sicherheitsvorkehrungen.</p>
	<p><a href="#">CARBEST Autolift System 465112: Montageanleitung für Fiat Ducato X290 mit ALKO Heckfahrwerk</a></p> <p>Detaillierte Montageanleitung für das CARBEST Autolift System (Art. 465112), einen speziellen Adapter für Fiat Ducato X290 Fahrzeuge mit ALKO Heckfahrwerk. Schritt-für-Schritt-Anweisungen und visuelle Hilfen für eine sichere Installation.</p>
	<p><a href="#">CARBEST Travel Hair Dryer 12V/180W User Manual and Safety Guide</a></p> <p>Comprehensive user instructions, safety guidelines, and warranty information for the CARBEST Travel Hair Dryer 12V/180W (Model 804195). Learn about product features, safe operation, maintenance, and disposal.</p>

