Aramox Aramox8st2mv1z5p

Aramox Webasto 65ml Parking Heater Fuel Pulse Pump Instruction Manual

Model: Aramox8st2mv1z5p

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Aramox 12V Diesel Electromagnetic Fuel Pulse Pump. This pump is designed to supply fuel to Webasto parking heaters, ensuring efficient and reliable heating performance. Please read this manual thoroughly before installation and use to ensure safe and optimal functionality.



Image 1: Aramox 12V Diesel Fuel Pulse Pump in a typical application environment.

2. Product Overview

The Aramox 65ml Fuel Pulse Pump is a critical component for Webasto parking heater systems. It is engineered for durability and consistent performance, acting as an electronic pulse dosing pump to precisely deliver fuel.

Key Features:

- **Robust Construction:** Made from high-strength stainless steel and copper for rustproof, chemical-resistant, and long-lasting durability.
- **Electronic Pulse Dosing:** Operates intermittently to supply fuel with precise pulses, ensuring efficient combustion.
- **Low Noise Operation:** Designed for quiet performance.
- **High Fuel Efficiency:** Optimized for effective fuel delivery at a 65ml rate.
- **Direct Replacement:** Meets or exceeds original equipment standards for a seamless fit and reliable function.



Image 2: Top view of the Aramox 12V Diesel Fuel Pulse Pump.



Image 3: Close-up view emphasizing the stainless steel body and copper mouth construction.

3. Specifications

Specification	Value
Item Type	Heater Fuel Pump
Material	Stainless Steel + Copper Mouth
Rated Voltage	12 V
Pressure	0.1-0.3 MPa
Current	1-1.5 A
Fuel Rate	65 ml
Product Weight	240 g
Package Dimensions	15 x 5 x 5 cm
Model Number	Aramox8st2mv1z5p
ASIN	B0BX57S5Q2

4. Compatibility

This fuel pulse pump is compatible with various Webasto Air Top and Thermo Top heater models. Please verify your heater model before installation.

Compatible Webasto Heater Models:

- Webasto Air Top 2000
- Webasto Air Top 2000S
- Webasto Air Top 2000ST
- Webasto Air Top 3500
- Webasto Air Top 3500 5000
- Webasto Air Top 3500ST 5000ST
- Webasto Air Top Evo3900
- Webasto Air Top Evo5500
- Webasto Thermo 50
- Webasto Thermo 90 90s
- Webasto Thermo 90 parts



Image 4: Product label showing identification details.

5. Setup and Installation

Installation of the fuel pulse pump requires knowledge of vehicle electrical and fuel systems. It is highly recommended that installation be performed by a qualified professional to ensure correct setup and prevent damage to the product or vehicle.

General Installation Guidelines (Professional Installation Recommended):

1. **Safety First:** Disconnect the vehicle's battery and ensure no open flames or sparks are present when working with fuel lines.

2. **Mounting Location:** Mount the pump securely in a location protected from extreme heat, moisture, and physical damage. Ensure it is positioned correctly to allow for proper fuel flow and pulse operation.
3. **Fuel Line Connection:** Connect the fuel lines to the pump's inlet and outlet ports. Ensure all connections are tight and leak-free. Use appropriate fuel-resistant clamps.
4. **Electrical Connection:** Connect the pump to the vehicle's 12V power supply, ensuring correct polarity. It should be wired to the heater's control unit as per the heater's specific installation instructions.
5. **System Priming:** After installation, prime the fuel system according to your Webasto heater's manual to remove any air from the lines.
6. **Leak Check:** Start the heater and carefully check all fuel connections for any leaks.

6. Operating Instructions

The Aramox fuel pulse pump operates automatically in conjunction with your Webasto parking heater. Once correctly installed and wired, the pump will receive signals from the heater's control unit to deliver precise pulses of fuel to the combustion chamber, maintaining the heater's operation.

- Ensure the heater system is properly powered and the fuel tank has an adequate supply of diesel.
- Activate your Webasto parking heater according to its specific operating instructions.
- The fuel pump will begin to pulse, drawing fuel from the tank and delivering it to the heater.

7. Maintenance

Regular maintenance helps ensure the longevity and reliable performance of your fuel pulse pump.

- **Visual Inspection:** Periodically inspect the pump and its connections for any signs of damage, corrosion, or fuel leaks.
- **Connection Integrity:** Ensure all electrical and fuel line connections remain secure and free from debris.
- **Cleanliness:** Keep the area around the pump clean and free of dirt or contaminants.
- **Fuel Quality:** Use clean, high-quality diesel fuel to prevent clogging or damage to the pump and heater system.

8. Troubleshooting

If you experience issues with your fuel pulse pump, consider the following troubleshooting steps. For complex problems, consult a qualified technician.

Common Issues and Solutions:

- **Pump Not Operating:**
    - Check electrical connections for looseness or corrosion.
    - Verify the 12V power supply to the pump.
    - Ensure the heater's control unit is functioning correctly and sending signals to the pump.
- **No Fuel Delivery:**
    - Check fuel lines for kinks, blockages, or air bubbles.
    - Ensure the fuel tank has sufficient fuel.
    - Inspect fuel filters for clogging.
- **Unusual Noise:**

- Ensure the pump is securely mounted and not vibrating against other components.
- Check for air in the fuel lines.

- **Fuel Leaks:**
  - Immediately shut down the system.
  - Inspect all fuel line connections and tighten as necessary. Replace any damaged lines or seals.

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your retailer. You may also visit the official Aramox store for additional product information and support resources.

Aramox Store: Visit Aramox Store on Amazon

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Details

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