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BEAR FORCE CXH88QPUS

BEAR FORCE Pressure Magnetic Suction Mini Foam Cannon Pro User Manual

Model: CXH88QPUS

1. Introduction

Thank you for choosing the BEAR FORCE Pressure Magnetic Suction Mini Foam Cannon Pro. This device is designed to enhance your car washing experience by producing thick, dense foam directly from concentrated car wash soap. Its innovative design allows for easy filling and precise control over foam application. Please read this manual thoroughly before operation to ensure safe and efficient use.

2. Product Overview and Components

Familiarize yourself with the parts of your BEAR FORCE Foam Cannon Pro.



Figure 1: Foam Cannon Pro Main Components. This image displays the foam cannon with labels pointing to its key parts: the Soap Regulator, Stainless Steel 1/4" Quick-Connect, Unclogging Needle, Transparent Tank (made of corrosion-resistant PET with volume scale), Magnetic Bottle Opening, and a Wide Base for stability.



Figure 2: Adjustable Features. This image highlights the adjustable spray nozzle (1), the soap regulator (2) for foam density control, and the 1/4" quick connector (3) for attachment to a pressure washer gun.

Key Components:

- **Soap Regulator:** Controls the mix of soap and water for desired foam thickness.
- **Stainless Steel 1/4" Quick-Connect:** For quick and secure attachment to your pressure washer gun.
- **Transparent Tank:** Durable, corrosion-resistant PET tank with volume markings for easy monitoring of soap levels.
- **Magnetic Bottle Opening:** Allows for quick and convenient refilling without screwing.
- **Adjustable Spray Nozzle:** Rotates to change spray angle from 0° (jet) to 90° (wide fan).
- **Unclogging Needle:** Provided for clearing blockages in the chemical inlet port.

3. Specifications

Feature	Detail

Brand	BEAR FORCE
Model Name	80QPUS
Model Number	CXH88QPUS
Item Weight	15.84 ounces (approx. 449g)
Included Components	Foam Cannon, Adapter, Unclogging Needle
Recommended Use	Vehicle Washing
UPC	797387159727

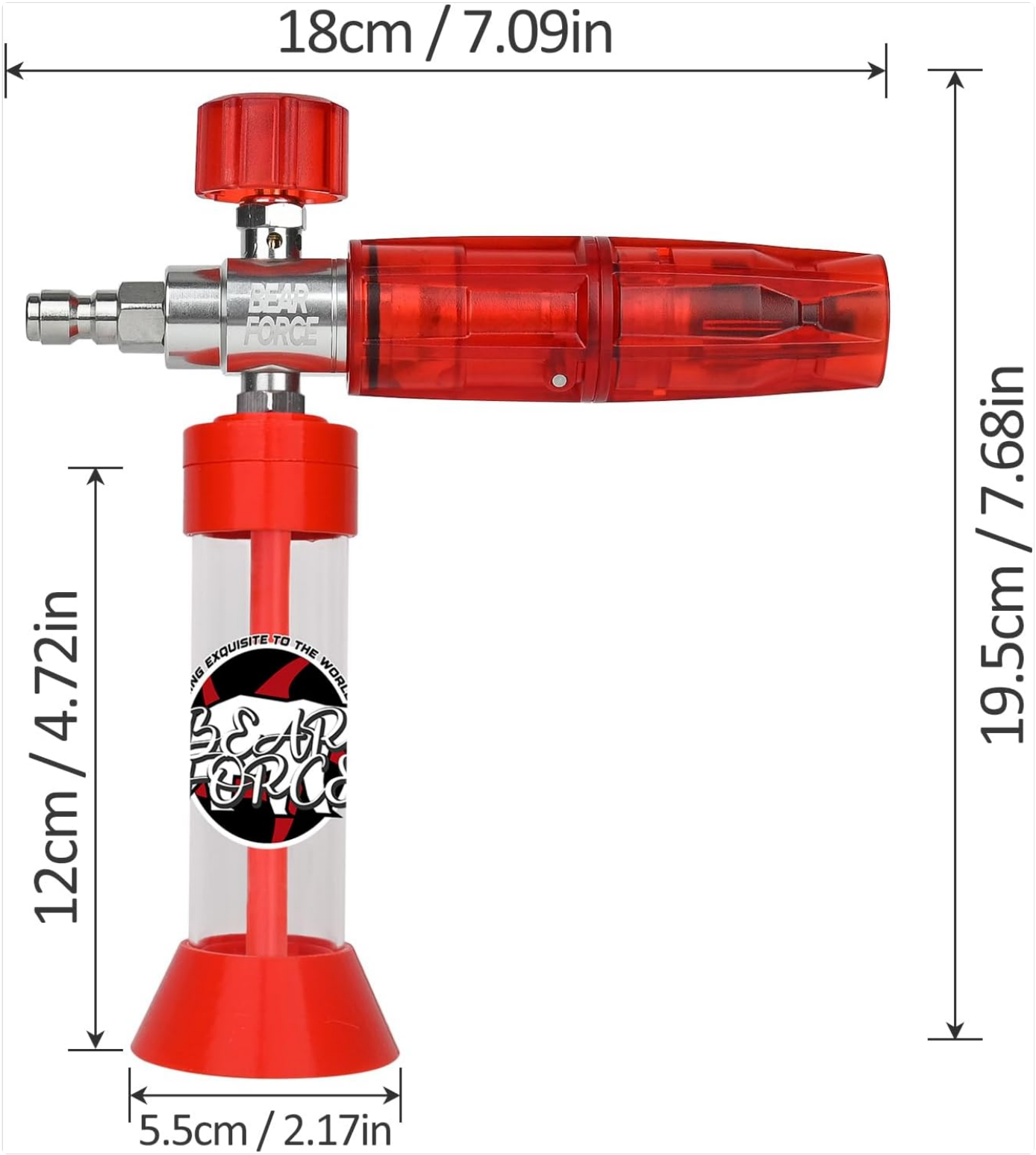


Figure 3: Product Dimensions. The foam cannon measures approximately 18cm (7.09in) in length, 19.5cm (7.68in) in overall height, and has a base width of 5.5cm (2.17in).

4. Setup

1. **Inspect Components:** Before first use, ensure all components are present and undamaged.
2. **Prepare Pressure Washer:** Ensure your pressure washer is ready for operation according to its own manual.
3. **Connect Foam Cannon:** Attach the 1/4" Quick-Connect fitting of the foam cannon securely to your pressure washer gun. Ensure it clicks into place and is firmly seated to prevent leaks.

5. Operation

1. **Fill with Concentrate:** Open the magnetic lid of the transparent tank. Pour your preferred car wash soap concentrate directly into the tank. *No pre-dilution is required.*
2. **Attach to Pressure Washer:** Securely connect the foam cannon to your pressure washer gun.
3. **Adjust Spray Angle:** Rotate the front nozzle to adjust the spray pattern from a narrow jet (0°) to a wide fan (90°).



Figure 4: Spray Angle Adjustment. The nozzle can be rotated 360 degrees and adjusted from 0 to 90 degrees to change the spray angle and direction.

4. **Adjust Foam Density:** Turn the red soap regulator knob on top of the foam cannon. Turning it one way will increase foam and decrease water, while turning it the other way will decrease foam and increase water. Adjust to achieve your desired foam thickness.



Figure 5: Nozzle Orifice Options. The foam cannon comes with two orifice spray tips: a 1.25mm tip (installed) suitable for pressure washers above 130 bar (1850 psi), and an extra 1.10mm tip (packed) for household pressure washers between 60-130 bar (900-1850 psi). Select the appropriate tip for your pressure washer.

5. **Apply Foam:** Activate your pressure washer and spray the foam evenly over the vehicle surface. Allow the foam to dwell for the recommended time as per your soap manufacturer's instructions.
6. **Rinse:** After the foam has worked, disconnect the foam cannon and reattach your standard pressure washer nozzle to rinse the vehicle thoroughly.

Operation Demonstration:

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Video 1: Foam Cannon Application. This video demonstrates the BEAR FORCE Foam Cannon Pro in action, showing how it applies

thick foam to a vehicle for effective cleaning.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your foam cannon.

1. **Rinse After Each Use:** After every use, empty any remaining soap concentrate. Fill the tank with clean water and run the foam cannon for at least 30 seconds to flush out all internal components. This prevents soap residue from drying and clogging the mesh filter and chemical inlet.
2. **Clear Clogs:** If the foam cannon produces weak foam or no foam, the chemical inlet port, mesh, or filter may be clogged. Use the provided unclogging needle to clear the chemical inlet port. Insert the needle into the small hole where the soap is drawn into the main body.



Figure 6: Chemical Inlet Port. This image shows the magnetic connection between the main body and the tank, highlighting the chemical inlet port. It is crucial to clean this port after each use or if it becomes blocked, using the provided unclogging needle.

3. **Handle with Care:** Avoid dropping the foam cannon from heights, as this can damage internal components or the tank.
4. **Storage:** Store the foam cannon in a clean, dry place away from direct sunlight and extreme temperatures.

7. Troubleshooting

- **No Foam or Weak Foam:**
  - Check if the soap tank is empty or low on concentrate.
  - Ensure the soap regulator knob is adjusted correctly for maximum foam.
  - Inspect the chemical inlet port, mesh filter, and nozzle for clogs. Clean with the unclogging needle if necessary.
  - Verify your pressure washer is operating at the correct pressure.
  - Ensure the correct orifice size is installed for your pressure washer (refer to Figure 5).
- **Leaking from Connections:**
  - Ensure all connections, especially the 1/4" Quick-Connect, are fully seated and tightened.
  - Check O-rings for damage or improper seating. Replace if necessary.
- **Inconsistent Spray Pattern:**
  - Check the adjustable spray nozzle for any debris or blockages.
  - Ensure the nozzle is securely attached and not cross-threaded.

8. Safety Information

- Always wear appropriate personal protective equipment (PPE), including eye protection and gloves, when operating a pressure washer and handling car wash chemicals.
- Never point the foam cannon or pressure washer nozzle at people, pets, or electrical outlets.
- Read and follow all safety instructions provided with your pressure washer and car wash soap.
- Keep the foam cannon and car wash chemicals out of reach of children and pets.
- Do not use with flammable liquids or corrosive chemicals.
- Ensure all connections are secure before operating to prevent accidental disconnections.

9. Warranty and Support

For warranty information, technical support, or replacement parts, please contact BEAR FORCE customer service through their official website or the retailer where the product was purchased. Please have your model number (CXH88QPUS) and purchase details ready when contacting support.

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