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> Bonvoisin Cryogenic Gloves 14.2"/36cm Long Mid-arm LN2 Protective Gloves User Manual

Bonvoisin B09HBPdVR6

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Model: B09HBPdVR6

1. INTRODUCTION

The Bonvoisin Cryogenic Gloves are designed to provide essential protection for hands and mid-arms when working in extremely cold environments. These gloves are suitable for handling liquid nitrogen, dry ice, and for use in low-temperature warehouses, frozen laboratories, and cold storage facilities. Constructed from high-quality cow leather, they offer both comfort and durability while resisting temperatures as low as -260°C (-436°F).



Image 1.1: A pair of Bonvoisin Cryogenic Gloves, showing the full design with white leather hands and grey suede-like cuffs, trimmed with red at the bottom.

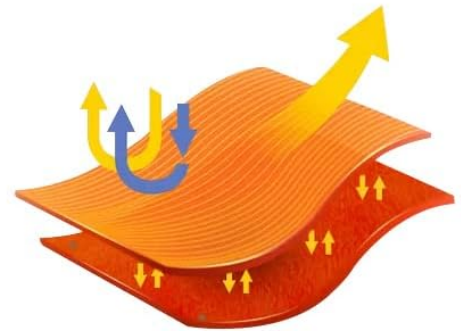
2. PRODUCT FEATURES

- **Extreme Cold Resistance:** Capable of withstanding temperatures down to -260°C (-436°F), providing critical thermal protection.
- **Durable Material:** Made from high-quality cow leather for enhanced comfort and longevity in demanding environments.
- **Mid-arm Length:** The 14.2-inch (36cm) length extends protection beyond the wrist, covering the mid-arm area.
- **Versatile Application:** Ideal for use with liquid nitrogen, dry ice, in low-temperature warehouses, frozen laboratories, and cold storage.

LOW TEMPERATURE

Resistance

MINIMUM TEMPERATURE:
- 260 ° C / - 436 ° F



-150°C



-100°C



-80°C

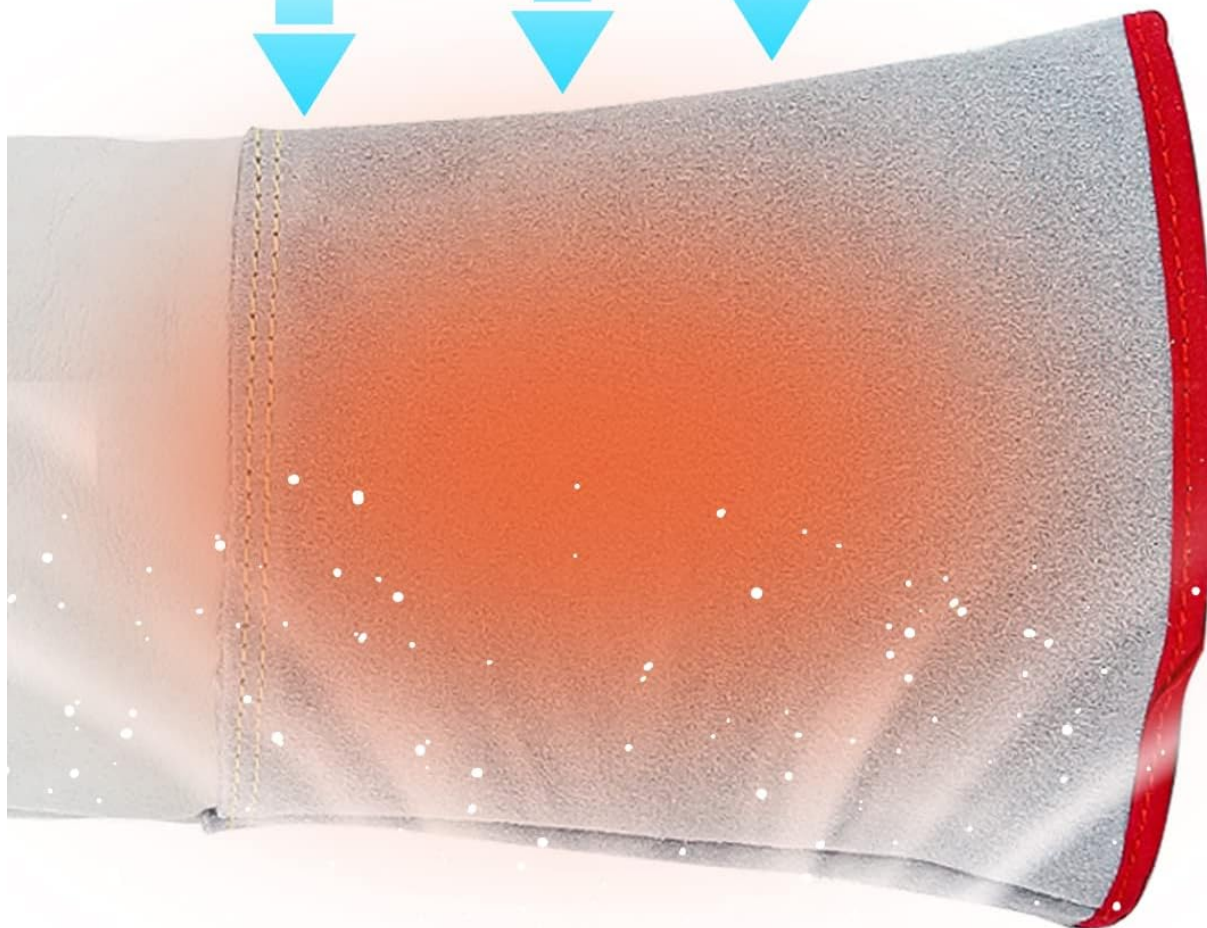


Image 2.1: A graphic demonstrating the low-temperature resistance of the gloves, indicating protection down to -260°C (-436°F) with arrows showing heat retention.

3. SETUP AND PREPARATION

Before each use, perform a visual inspection of the gloves to ensure they are in good condition and free from any damage. Check for:

- Tears, cuts, or punctures in the leather.

- Loose stitching or seams.
- Any signs of wear that might compromise protective integrity.

Do not use damaged gloves. Ensure the gloves fit properly to allow for dexterity and full coverage of the hands and mid-arms.

4. OPERATING INSTRUCTIONS AND SAFETY GUIDELINES

These gloves are designed for protection against extreme cold. Always adhere to the following guidelines for safe operation:

1. **Wear Correctly:** Ensure gloves are fully donned, covering the hands and extending up the mid-arm to provide maximum protection.
2. **Handle with Care:** When handling liquid nitrogen, dry ice, or other cryogenic materials, always do so in a well-ventilated area. Avoid direct contact of cryogenic liquids with skin, even when wearing gloves, as prolonged exposure can still pose risks.
3. **Avoid Wet Conditions:** *These gloves are not waterproof.* Their antifreeze effect is significantly reduced when wet. Avoid using them in environments where they may become saturated with liquid.
4. **Inspect Regularly:** Before and after each use, inspect the gloves for any signs of damage or wear. Replace immediately if any damage is found.
5. **Emergency Procedures:** In case of accidental contact with cryogenic materials on unprotected skin, seek immediate medical attention.

PRODUCT

Application



Image 4.1: A gloved hand demonstrating the application of the Bonvoisin Cryogenic Gloves while handling a liquid nitrogen tank, highlighting the protective length.

5. MAINTENANCE AND STORAGE

Proper care and storage will extend the lifespan and effectiveness of your cryogenic gloves.

- **Cleaning:** The gloves should be hand washed only. Do not machine wash or tumble dry. Use mild soap and cold water, then air dry thoroughly away from direct heat or sunlight.
- **Drying:** Ensure gloves are completely dry before storage or reuse to prevent material degradation and maintain insulating properties.
- **Storage:** Store gloves in a dry, moth-proof, and well-ventilated area. Avoid direct sunlight, extreme temperatures, and chemical exposure. Proper storage helps maintain the material integrity and protective qualities.

DETAIL

Drawing



Image 5.1: Detailed view of the cryogenic glove construction, showing stitching, material texture, and the red trim, emphasizing quality and

durability.

6. TROUBLESHOOTING

This section addresses common concerns regarding the use of your cryogenic gloves.

- **Reduced Protection:** If the gloves feel less effective in cold environments, check for any signs of moisture absorption. As noted, the gloves are not waterproof, and their insulating properties are compromised when wet. Ensure gloves are dry before use.
- **Material Degradation:** If the leather appears stiff, cracked, or shows unusual wear, it may be due to improper storage or cleaning. Refer to the Maintenance section for correct care procedures.
- **Fit Issues:** If gloves feel too loose or too tight, refer to the size guide in the Specifications section to ensure the correct size was selected. An improper fit can reduce dexterity and protection.

7. SPECIFICATIONS

Feature	Detail
Model	B09HBPDVR6
Material	High-quality Cow Leather
Temperature Resistance	Up to -260°C (-436°F)
Length	14.2 inches (36 cm)
Product Dimensions	7.5 x 8.6 x 3.1 inches (packaged)
Weight	1.04 Pounds
Care Instructions	Hand Wash Only

Size Information

PRODUCT

Size



Image 7.1: A diagram illustrating the dimensions of the cryogenic glove, including hand width (5.1 inches / 14cm), total length (14.2 inches / 36cm), and cuff length (6.3 inches / 16cm).

According to the provided size guide, the hand width for the "One Size" option is approximately 5.1 inches (14 cm). The overall length of the glove is 14.2 inches (36 cm), with a cuff length of 6.3 inches (16 cm).

8. WARRANTY AND SUPPORT

Information regarding specific warranty terms or direct support contact details for the Bonvoisin Cryogenic Gloves is not provided in the available product data. For warranty claims or technical assistance, please refer to the seller's information on the purchase platform or contact Bonvoisin directly through their official channels.

