

MDF Instruments MDF208046011

MDF Instruments Latex-Free Large Adult Double Tube Blood Pressure Cuff

Model: MDF208046011

1. OVERVIEW

This manual provides instructions for the proper use and maintenance of your MDF Instruments Latex-Free Large Adult Double Tube Blood Pressure Cuff. Designed for accuracy and patient comfort, this cuff is compatible with most MDF sphygmomanometers and other blood pressure systems requiring a double tube configuration. It adheres to American Heart Association recommendations and European Standards (EN 1060-1:1995, EN 1060-2:1995) and ANSI/AAMI SP10:2002 standards.

2. PRODUCT FEATURES

- **Latex-Free Construction:** Ensures safety for individuals with latex sensitivities.
- **Durable Velcro Cuff:** Constructed from high-molecular polymer 210 denier nylon, designed for repeated use and resistance to abrasion, chemicals (chlorine and peroxide), and moisture. Sized according to American Heart Association recommendations for accurate arterial compression.
- **Crack-Resistant Inflation Bag:** Features a high-density, hypoallergenic PVC inflation bag that is non-sticking and durable.
- **Double Tube Configuration:** Universal double tubes enable cuff exchange with MDF blood pressure systems and other major brands.
- **Removable Bladder:** Allows for easy removal and cleaning of the cuff fabric.

Compatibility

MDF 800, MDF 808B, MDF 808M, MDF 830 & MDF 840, MDF 848AR, MDF 848IC, MDF 848XPD, and most other major brands of blood pressure systems (Luer lock connector not included).



Blood Pressure Cuff Sizing Matters

Using the wrong patient blood pressure cuff size will likely yield an incorrect blood pressure reading. MDF Instruments offers the following cuff sizes to ensure blood pressure reading accuracy (largest to smallest).

Upper Arm Circumference Ranges by Cuff Size:

Thigh: 40CM - 65CM (thigh or upper arm)

Thigh with D-Ring: 42CM - 55CM

Large Adult: 33.5CM - 50CM

Large Adult with D-Ring: 36CM - 48CM

Adult: 25CM - 40CM

Adult with D-Ring: 28CM - 37CM

Pediatric: 19CM - 27.5CM

Infant: 14CM - 19.5CM

Newborn: 10CM - 15CM



Silicone
Universal Fit
Latex-Free
BPA-Free
Plastic-Free
Powder-Free
Adult Size
Recyclable
Non-Sterile
Non-Allergenic
Single-Use

Image: Components of the MDF Instruments blood pressure cuff, showing the cuff, inflation bag, and double tubes.

3. SETUP

1. **Unpack:** Carefully remove the blood pressure cuff from its packaging.
2. **Inspect:** Check the cuff, inflation bag, and tubing for any visible damage or defects. Ensure the tubes are securely attached to the inflation bag.
3. **Connect:** Connect the two tubes from the cuff to the corresponding ports on your blood pressure monitor (sphygmomanometer). Ensure a snug fit to prevent air leakage during inflation.

4. OPERATING INSTRUCTIONS

4.1. Cuff Sizing and Placement

Accurate blood pressure readings depend on correct cuff sizing and placement. This Large Adult cuff is designed for arm circumferences within the specified range.

- **Determine Correct Size:** Ensure the cuff size is appropriate for the patient's arm circumference. For this Large Adult cuff, the recommended upper arm circumference is typically 33.5cm - 50cm. Refer to the index range markings on the cuff.
- **Position the Arm:** The patient should be seated comfortably with their arm supported at heart level.
- **Apply the Cuff:** Wrap the cuff smoothly and snugly around the bare upper arm, approximately 1 inch (2-3 cm) above the elbow crease. The artery indicator label on the cuff should be positioned over the brachial artery.
- **Secure the Cuff:** Fasten the Velcro closure firmly, ensuring it is not too tight or too loose. Two fingers should fit comfortably under the cuff.



Image: The MDF Instruments Large Adult Double Tube Blood Pressure Cuff in black.

4.2. Taking a Measurement

1. **Prepare the Monitor:** Ensure your blood pressure monitor is ready for use and the air release valve is closed.
2. **Inflate the Cuff:** Inflate the cuff rapidly to a pressure approximately 20-30 mmHg above the patient's usual systolic pressure, or until the radial pulse is no longer palpable.
3. **Deflate and Read:** Slowly release the air from the cuff at a rate of 2-3 mmHg per second while listening for Korotkoff sounds with a stethoscope (for manual sphygmomanometers) or observing the digital display (for automatic monitors).
4. **Record Readings:** Note the systolic and diastolic pressures.
5. **Remove Cuff:** Once the measurement is complete, fully deflate the cuff and remove it from the patient's arm.

5. MAINTENANCE

5.1. Cleaning the Cuff

Regular cleaning helps maintain hygiene and extends the life of your cuff.

1. **Remove Bladder:** The inflation bladder is removable. Carefully slide it out from the fabric cuff.
2. **Clean Fabric Cuff:** The fabric cuff can be hand washed with mild soap and water, or wiped down with a damp

cloth. Avoid harsh chemicals or abrasive cleaners.

3. **Clean Bladder and Tubing:** Wipe the inflation bladder and tubing with a damp cloth using a mild disinfectant solution. Ensure all components are completely dry before reassembly.
4. **Reassemble:** Once dry, carefully reinsert the bladder into the fabric cuff.

5.2. Storage

Store the cuff in a clean, dry place away from direct sunlight and extreme temperatures. Avoid folding the tubing sharply to prevent damage.

6. TROUBLESHOOTING

- **Inaccurate Readings:**

- Ensure the cuff is correctly sized for the patient's arm.
- Verify the cuff is placed correctly, with the artery indicator over the brachial artery.
- Check for air leaks in the tubing or connections.
- Ensure the patient is relaxed and their arm is supported at heart level.

- **Cuff Not Inflating:**

- Check that the air release valve on the blood pressure monitor is fully closed.
- Inspect tubing and connections for disconnections or damage.
- Ensure the inflation bulb (if manual) is functioning correctly.

- **Cuff Deflates Too Quickly:**

- Check for leaks in the inflation bag or tubing.
- Ensure all connections are secure.
- Verify the air release valve is not open or faulty.

7. SPECIFICATIONS

Model Number	MDF208046011
Size	Large Adult - Double Tube
Age Range	Adult
Material	Latex-Free PVC (bladder), 210 Denier Nylon (cuff)
Included Components	Cuff, Inflation Bag, Tubing
Product Dimensions	2.5 x 19 x 16.5 inches
Weight	4.59 ounces

8. WARRANTY

This MDF Instruments Blood Pressure Cuff is backed by a **3-Year Warranty** against manufacturing defects. For detailed warranty information and terms, please refer to the official MDF Instruments website or contact customer support.

9. SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact MDF Instruments customer service. Contact information can typically be found on the manufacturer's website or included with your product packaging.