

PHILIPS M1576A

Philips Healthcare M1576A Non-Invasive Blood Pressure Reusable Comfort Cuff - Thigh: User Manual

Model: M1576A

1. INTRODUCTION AND OVERVIEW

This manual provides essential instructions for the proper use, maintenance, and care of the Philips Healthcare M1576A Non-Invasive Blood Pressure (NIBP) Reusable Comfort Cuff, designed for thigh measurements. This device is intended for professional healthcare use to obtain accurate non-invasive blood pressure readings.

The M1576A cuff is a reusable component of a blood pressure monitoring system, featuring a polyurethane bladder, hose, and cover, ensuring durability and comfort for the patient.

2. SAFETY INFORMATION

Important Safety Precautions:

- Always ensure the cuff size is appropriate for the patient's limb circumference (42-54 cm for this thigh cuff) to prevent inaccurate readings or patient discomfort.
- Inspect the cuff for any signs of wear, damage, or contamination before each use. Do not use a damaged cuff.
- Ensure proper connection of the cuff to the NIBP monitor.
- Avoid over-tightening the cuff, which can lead to patient injury or discomfort.
- This device is for professional use only and should be operated by trained personnel.
- Do not modify the cuff in any way.

Refer to the NIBP monitor's instruction manual for complete safety guidelines related to blood pressure measurement.

3. COMPONENTS

The Philips M1576A Reusable Comfort Cuff consists of the following primary components:

- **Cuff Material:** Durable fabric designed for repeated use.
- **Inflatable Bladder:** Internal component that inflates to occlude blood flow. Made of polyurethane.
- **Air Hose:** Connects the bladder to the NIBP monitor.
- **Connector:** Attaches the air hose to the NIBP monitor's port.



Figure 1: Philips M1576A Non-Invasive Blood Pressure Reusable Comfort Cuff - Thigh. The image displays the brown cuff with "PHILIPS Comfort Care Thigh REF M1576A 42.0 - 54.0 cm" printed on it, along with various symbols indicating its specifications and reusability.

4. SETUP AND APPLICATION

1. **Select Appropriate Cuff Size:** Ensure the patient's thigh circumference falls within the 42-54 cm range for this M1576A thigh cuff. Using an incorrect size can lead to inaccurate readings.
2. **Position the Patient:** Have the patient in a comfortable, relaxed position.
3. **Apply the Cuff:** Wrap the cuff smoothly around the patient's thigh, ensuring the artery marker (if

present) is aligned with the femoral artery. The cuff should be snug but not overly tight, allowing two fingers to fit underneath.

4. **Connect to Monitor:** Securely connect the cuff's air hose to the NIBP port on the blood pressure monitor.
5. **Check Connections:** Verify all connections are secure before initiating a measurement.

5. OPERATING INSTRUCTIONS

Once the cuff is correctly applied and connected to the NIBP monitor, follow the operating instructions provided with your specific Philips NIBP monitoring device. Generally, the process involves:

- Initiating a blood pressure measurement cycle on the monitor.
- The cuff will inflate to a predetermined pressure, then slowly deflate, allowing the monitor to detect systolic and diastolic blood pressure, and pulse rate.
- Observe the readings displayed on the monitor.
- After the measurement, the cuff will fully deflate.

Always refer to the NIBP monitor's user manual for detailed operating procedures and interpretation of readings.

6. MAINTENANCE AND CLEANING

Proper maintenance and cleaning are crucial for the longevity and hygienic use of the reusable cuff.

- **Cleaning:** The cuff's cover and polyurethane bladder/hose can be cleaned according to your facility's infection control protocols. Typically, this involves wiping with a damp cloth and a mild disinfectant solution. Avoid harsh chemicals or abrasive cleaners.
- **Drying:** Ensure the cuff is completely dry before storage or reuse.
- **Storage:** Store the cuff in a clean, dry place, away from direct sunlight and extreme temperatures.
- **Inspection:** Regularly inspect the cuff for any signs of wear, tears, cracks in the hose, or damage to the connector. Replace the cuff if any damage is observed.

7. TROUBLESHOOTING

If you encounter issues with the NIBP cuff, consider the following:

- **Inaccurate Readings:**
 - Check if the cuff size is correct for the patient's thigh circumference.
 - Ensure the cuff is applied correctly and snugly.
 - Verify the patient is relaxed and still during measurement.
 - Inspect the cuff and hose for leaks or damage.
- **Cuff Not Inflating/Deflating:**
 - Check the connection to the NIBP monitor.
 - Ensure the air hose is not kinked or obstructed.
 - Consult the NIBP monitor's manual for system-specific troubleshooting.

For persistent issues, contact Philips Healthcare support or your biomedical engineering department.

8. SPECIFICATIONS

Model	M1576A
Type	Non-Invasive Blood Pressure (NIBP) Reusable Comfort Cuff
Application Site	Thigh
Limb Circumference	42 - 54 cm
Material	Polyurethane bladder, hose, and cover
Product Dimensions	8.66 x 6.3 x 1.57 inches; 5.64 ounces
Manufacturer	Philips Healthcare

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Philips Healthcare M1576A NIBP Reusable Comfort Cuff, please contact Philips Healthcare directly.

Manufacturer Contact Information:

Philips Healthcare Customer Service: 800-225-0230

Please refer to the official Philips Healthcare website for the most current contact details and support resources.