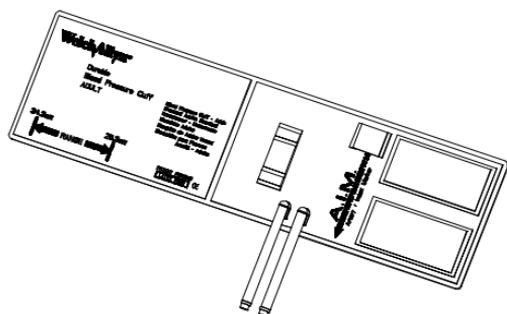


# Welch Allyn One-Piece Blood Pressure Cuff Instructions



# Welch Allyn®

Blood Pressure Cuff - Adult  
Brassard Adulte Standard  
Erwachsener - Manschette  
Bracciate Adulto  
Manguito de Adulto Normal  
Bracadeira para Pressao  
Arterial - Adulta

LATEX FREE

## Operating Instructions

### Manual Inflation (AUSCULTATORY)

1. The patient should be seated and as relaxed and comfortable as possible, with the arm free of clothing.
2. Rest the arm on a steady, smooth surface at heart level, with the elbow slightly flexed.
3. Select the cuff size appropriate for arm.

NOTE: Index line on cuff should fall within range indicated by double arrows. If index line falls short of range, a larger cuff should be used to ensure accurate results. If index line is past the range, a smaller cuff should be used to ensure accurate results.

4. Wrap the cuff around the arm with "artery" arrow located over the brachial artery, and with lower border about 2.5cm above the antecubital crease.
5. Making sure that the earpieces of the stethoscope are firmly seated in the ear canal, place the bell side of the chest piece over the brachial artery at the antecubital crease.
6. Inflate the cuff rapidly to a level that is about 30 mmHg above the estimated (or palpatory) systolic pressure. Partially open the valve to allow deflation at the rate of 2 to 3 mmHg per second.
7. As the pressure falls, note systolic pressure at the first appearance of repetitive sounds (Phase 1).<sup>1</sup>
8. Note diastolic pressure at the point when Korotkoff sounds disappear (Phase V).<sup>2</sup>
9. Rapidly release the remaining pressure and record measurements immediately. After a minimum of 30 seconds, repeat the above steps for a second reading.

<sup>1</sup> Perloff, D., et al., Human Blood Pressure Determination by Sphygmomanometry, Dallas: 1994, pp. 16-17.

<sup>2</sup> IBID, p.17.

## Cleaning and Sterilization

**Cuff:** Cuffs may be safely cleaned with a damp cloth or washed in water with soap or detergent. Before washing the cuff, remove the inflation bulb, and tubing, close off tube fitting(s) with cap, and place the hook & loop fasteners in the closed position. After washing, allow the cuff to air dry.

### **DO NOT PRESS WITH HOT IRON.**

At temperatures above 250°F the nylon hooks and loops will be destroyed. Iron only on the reverse side with medium heat.

**Sterilization:** Do not use steam or heat to sterilize the cuff, bulb, or tubing. Gas sterilization may be used if necessary. Glutaraldehyde type liquid disinfectants may be used on durable cuffs. Prolonged use of these disinfectants at full strength may cause discoloration of the white cuff markings.

## Warranty

**Accessories** - The Welch Allyn One-Piece Blood Pressure Cuff is covered by a three year warranty against original defects in material or workmanship. This warranty does not cover breakage or failure due to tampering, misuse, neglect, accidents, modification or shipping, and is void if the blood pressure cuff is not used in accordance with manufacturer's recommendations or if repaired or serviced by other than Welch Allyn or a Welch Allyn authorized representative. All repairs should be sent, prepaid, to:

### **Welch Allyn, Inc. Repair Dept.**

95 Old Shoals Road  
Arden, NC 28704-9459  
Phone: 828-684-4895  
800-450-9275

**Warning to users** - If Luer lock connectors are used in the construction of tubing, there is a possibility that they might be inadvertently connected to intravascular fluid systems, allowing air to be pumped into a blood vessel.

The CE mark on this product indicates that it is in conformity with the provisions of Council Directive 93/42/EEC



European Regulatory Manager  
Medical Division, Welch Allyn Ltd.  
Navan, Co. Meath, Republic of Ireland

This product conforms to applicable sections of European Standards:  
EN 1060-1, Non-invasive sphygmomanometers, Part 1. General Requirements and  
EN 1060-2, Part 2. Supplementary requirements for mechanical sphygmomanometers.