Cleaning, Disinfection and Sterilization

**Sphygmomanometer** - Clean by wiping with slightly dampened cloth or alcohol wipe.

**Blood Pressure Cuffs** - Cuffs may be safely cleaned with a damp cloth or washed in water with soap or detergent. After washing allow the cuff to air dry.

**Sewn Cuff and Bladder** - Before washing, remove the inflation bag and place the hook and loop fasteners in the closed position.

**One-Piece Cuff** - Before washing the cuff, remove the inflation bulb, and tube fitting(s), close off tube(s) with plug*, and place the hook & loop fasteners in the closed position. Re-assemble the tube fitting(s).

* Plug is available as accessory # 5082-163.

**DO NOT PRESS WITH HOT IRON**

Disinfection and 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

**Sphygmomanometer** - Your Tycos sphygmomanometer is covered by a lifetime warranty against original defects in material or workmanship. If the sphygmomanometer is found to be defective or at variance from the manufacturer’s specifications, Welch Allyn will repair or replace the instrument or component(s) at no cost to the purchaser.

**Accessories** - The Welch Allyn One-Piece Blood Pressure Cuff is covered by a 3 year warranty against original defects in material or workmanship. Sewn Cuffs and Bladders - are warranted against manufacturers defects for a period of 2 years from the date of manufacturer. 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 Department**
4341 State Street Road
Skaneateles Falls, NY 13153
Phone: 315-685-4560
800-535-6663

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

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European Regulatory Manager
Medico 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.

**LATEX FREE**
**General Instructions - Classic Hand Aneroid**

1. **How to hold.** Hold the bulb in the palm of either hand, with thumb and index finger on the valve thumb screw.

2. **Luer lock attaches easily.** A clockwise twist makes the luer lock connection tight between tubing fitting and gauge.

3. **How to inflate.** Close the valve with thumb and forefinger. With the edge of the gauge pressing against the base of the thumb to eliminate any unsteadiness, inflate with the remaining three fingers.

4. **Valve control.** Open the valve with thumb and forefinger to release air pressure.

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**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).
8. Note diastolic pressure at the point when Korotkoff sounds disappear (Phase V).
9. Rapidly release the remaining pressure and record measurements immediately. After a minimum of 30 seconds, repeat the above steps for a second reading.

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**CAUTION -** Do not allow the cuff to remain on a patient for more than 10 minutes when inflated above 10 mmHg. This may cause patient distress, disturb blood circulation, and contribute to the injury of peripheral nerves.

**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.

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**Aneroid Gauge Accuracy -**

This instrument meets the AAMI accuracy standard for Aneroid Sphygmomanometers, which is ± 3 mmHg.

**Aneroid Calibration Check -** Welch Allyn Inc., recommends that the calibration of mechanical sphygmomanometers be checked on an annual basis. Standard pressures to check accuracy at are 300, 250, 200, 150, 100, 60 and 0 mmHg. Pressurize gauge to above 300 mmHg and bleed gauge down no faster than 10 mmHg second to the proper points to perform check. If using a mercury column or another aneroid gauge to check calibration, the accuracy of the gauge in question must be within +/- 6 mmHg. If using a digital pressure standard, and the accuracy of this standard is within +/- 1 mmHg, the accuracy of the gauge in question must be +/- 4 mmHg. This product will maintain the safety and performance characteristics specified at temperatures ranging from 0°C (32°F) to 46°C (115°F) at a relative humidity not to exceed 85%.

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**General Instructions - Classic Pocket Aneroid**

Attach Pocket Gauge to short cuff tubing. Attach inflation bulb & valve to long cuff tubing. For cuffs with Pocket Gauge attachment, clip gauge to cuff.

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