

# McKesson

# Aneroid Sphygmomanometers

## INSTRUCTIONS FOR USE

For use with McKesson MFR # 01-775 Series, 01-776 Series, 01-800 Series.

For use with McKesson LUMEON® MFR # 01-700 Series, 01-720 Series, 01-750W-11ABKGM, 01-752M-11ABKGM, 01-768-641 Series, 01-805GM, 01-845 Series, 01-865 Series.

## WARRANTY

The warranty service extends to the original retail purchaser only and commences from the date of delivery. McKesson warrants its products against defects in materials and workmanship under normal use and service as follows:

- Manometer warranties:  
Models 700, 720, 750, 752, 768-641: Warranted for Life  
Model 775: Warranted for 10 Years  
Model 776: Warranted for 5 Years

The manometer is warranted to remain accurate to +/-3mmHg (or the prevailing standard) over its full range when compared to a reference standard for the time indicated above.

- Inflation system components (cuff, bladder, tubing, bulb, valves, connectors) warranties:  
Models 700, 720, 750, 752, 768-641: Warranted for 3 Years  
Models 775, 776: Warranted for 1 Year

**WHAT IS COVERED:** Replacement of parts, and labor.

**WHAT IS NOT COVERED:** Transportation charges to our Service Center. Damages caused by abuse, misuse, accident, or negligence. Incidental, special, or consequential damages. Some states do not allow the exclusion or limitation of incidental, special, or consequential damages, so this limitation may not apply to you.

**TO OBTAIN WARRANTY SERVICE:** Send item(s) postage paid to Service Center, 55 Commerce Dr., Hauppauge, NY 11788. Please include your name and address, phone no., proof of purchase, and a brief note explaining the problem.

**IMPLIED WARRANTY:** Any implied warranty shall be limited in duration to the terms of this warranty and in no case beyond the original selling price (except where prohibited by law). This warranty gives you specific legal rights and you may have other rights which vary from state to state.




## ANEROID SPHYGMOMANOMETER

(manometer, cuff, bladder, bulb and valve)

This Use, Care, & Maintenance guide refers to all model series.

## SYMBOL DEFINITIONS

The following symbols are associated with your Aneroid.

SYMBOL	DEFINITION
	Important Warning/Caution
	Not made with natural rubber latex
	Circumference Size

## GENERAL WARNINGS

A warning statement in this manual identifies a condition or practice which, if not corrected or discontinued immediately could lead to patient injury, illness, or death.

**WARNING:** Do not allow a blood pressure cuff to remain on 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:** If luer lock connectors are used in the construction of tubing, there is a possibility that they might be inadvertently connected to intra-vascular fluid systems, allowing air to be pumped into a blood vessel. Immediately consult a physician if this occurs.

**WARNING:** Safety and effectiveness with neonate cuff sizes 1 through 5 is not established.

**WARNING:** If this equipment is modified, appropriate inspection and testing must be conducted to ensure its continued safe use.

**WARNING:** Do not apply cuff to delicate or damaged skin. Check cuff site frequently for irritation.

**WARNING:** Only use the cuff when the range markings indicated on the cuff show that the proper cuff size is selected, otherwise erroneous readings may result.

**WARNING:** Allow space between patient and cuff. Two fingers should fit in this space if the cuff is correctly positioned.

**WARNING:** Do not apply cuff to limbs used for IV infusion.

**WARNING:** Patient should remain still during measurement to avoid erroneous readings.

**WARNING:** When using with an infant or child cuff, extra care must be taken to prevent over-inflation. With smaller cuffs (infant or child) the cuff can inflate to over 300mmHg with just two full compressions of the bulb. To prevent discomfort or injury to the patient and damage to the instrument, bulb should only be partially squeezed, so that each "stroke" inflates the cuff in 40mmHg to 60mmHg increments until inflated to the desired level.

**WARNING:** This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

**CAUTION:** To obtain the greatest accuracy from your blood pressure instrument, it is recommended that the instrument be used within a temperature range of 50°F (10°C) to 104°F (40°C), with a relative humidity range of 15%-85% (non-condensing).

**CAUTION:** Extreme altitudes may affect blood pressure readings. Your device has been designed for normal environmental conditions.

## DEVICE DESCRIPTION AND INTENDED USE

Aneroid sphygmomanometers are used by professional healthcare providers and individuals trained in the auscultatory blood pressure technique to determine systolic and diastolic blood pressure in humans.

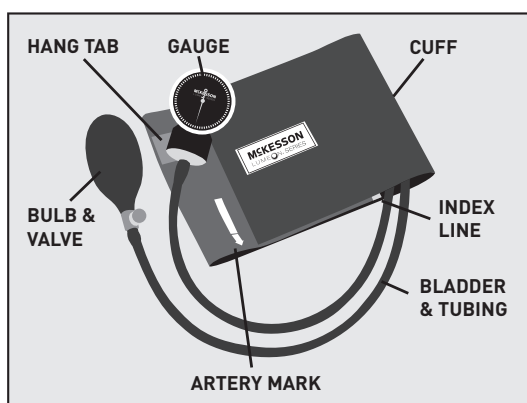
**CONTRAINDICATIONS:** Aneroid sphygmomanometers are contraindicated for neonate use. Do not use with neonatal cuffs or neonate patients. Review the size chart (below) for proper age group and limb range usage.

CUFF	SIZE	LIMB RANGE	
		INCHES	CM
Child	9C	5.1 to 7.6	13 to 19.5
Sm. Adult	10SA	7.4 to 10.6	19 to 27
Adult	11A	9 to 15.7	23 to 40
Lg. Adult	12X	13.3 to 19.6	34 to 50
Thigh	13T	15.7 to 25.9	40 to 66

## OPERATION OF POCKET ANEROIDS

This booklet contains operating and maintenance information for your pocket aneroid sphygmomanometers. Please read and retain.

Your pocket aneroid sphygmomanometer consists of an aneroid manometer (gauge), complete inflation system (calibrated nylon cuff, latex-free inflation bladder, squeeze bulb, and the valve), a zippered carrying case, and operating instructions.

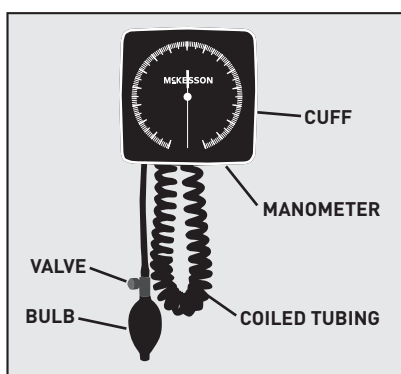


Most models are preassembled and ready for use. In units requiring assembly, the bulb and valve should connect to the tube closest to the Index Line. The gauge connects to the remaining tube.

## OPERATION OF CLOCK ANEROIDS

This booklet contains operating and maintenance information for the Wall Mount and Mobile Aneroid Sphygmomanometers. Please read and retain.

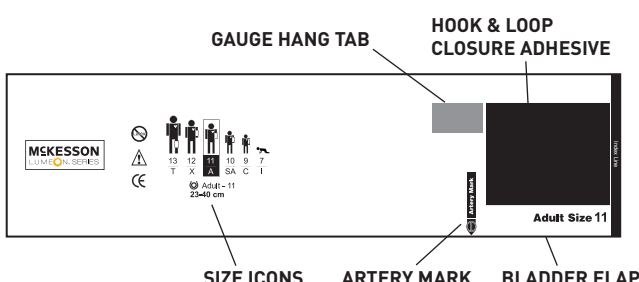
Your purchase consists of a large “clockface” aneroid with easy-to-read 6” dial, an integral swivel bracket/cuff storage compartment (wall series only), complete inflation system (which includes a nylon cuff with the cuff marking system, latex-free inflation bladder, bulb, and valve), 8 foot length coiled tubing, luer connectors, mounting hardware, and operating instructions. The mobile aneroid is mounted on a height adjustable, Spider-Leg™ 5 leg mobile stand.



To assemble the inflation system, connect coiled tubing to air inlet nipple at bottom of gauge. Insert male luer adapter on bladder tubing into female receptacle at free end of coiled tubing. Store folded inflation system in swivel bracket behind gauge on 01-750W-11ABKGM or in integral basket on 01-752M-11ABKGM.

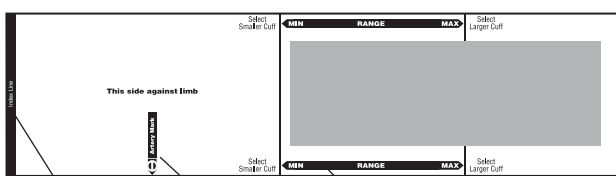
## INTENDED CUFF USE

Blood pressure cuffs are noninvasive and are intended for use with manual and automated noninvasive blood pressure measurement devices.



The cuff marking system assures use of correct cuff size and proper cuff alignment. Printed Index and Range markings and applicable limb range (in cm) allow easy identification of the correct cuff size. An artery mark printed on both sides indicates bladder midpoint for correct cuff positioning. A convenient nylon gauge hang tab permits flexible use with either pocket aneroids or mercury manometers. Hook and loop

adhesive surface provides a snug, infinitely variable fit and is designed to withstand a minimum of 30,000 open/close cycles.



INDEX LINE ARTERY MARK RANGE LINES

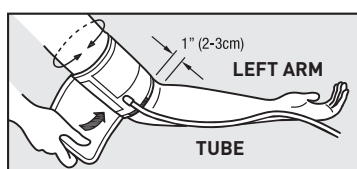
## MEASUREMENT PROCEDURE

### 1. PATIENT POSITION

The patient should sit or lie comfortably. The arm should be fully supported on a flat surface at heart level. (If the arm's position varies, or is not level with the heart, measurement values obtained will not be consistent with the patient's true blood pressure.) When seated, the patient should have their back and arm supported, and their legs should not be crossed. The patient should relax prior to measurement comfortably for five (5) minutes and should refrain from talking or moving during measurement. Observer should view manometer in a direct line to avoid "Parallax error".

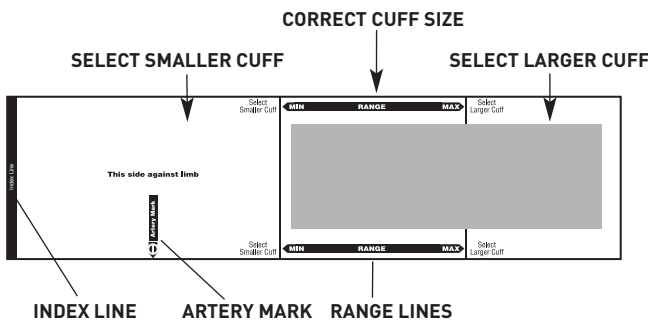
### 2. APPLY THE CUFF

The nylon cuffs are specially designed to promote the precisely accurate determination of blood pressure. Index and range markings ensure use of the correct cuff size. The artery mark indicates proper cuff positioning.



Place the cuff over the bare upper arm with the artery mark positioned directly over the brachial artery. The bottom edge of the cuff should be positioned approximately (1") one inch (2-3cm) above the antecubital fold. Wrap the end of the cuff not containing the bladder around the arm snugly and smoothly and engage adhesive strips (above).

To verify a correct fit, check that the Index Line falls between the two Range Lines (below).



### 3. INFLATE THE CUFF

Close the valve by turning thumbscrew clockwise. Palpate the radial artery while inflating the cuff. Be sure to inflate cuff quickly by squeezing bulb rapidly. Inflate cuff 20-30 mmHg above the point at which the radial pulse disappears.

**NOTE:** Cuff pressure range is 0 mmHg to 300 mmHg.

### 4. POSITION THE STETHOSCOPE

Position the chestpiece in the antecubital space below the cuff, distal to the brachium. Do not place chestpiece underneath the cuff, as this impedes accurate measurement. Use the bell side of a combination stethoscope for clearest detection of the low pitched Korotkoff (pulse) sounds.

### 5. DEFLATE THE CUFF

Open the valve to deflate the cuff gradually at a rate of 2-3 mmHg per second.

### 6. MEASUREMENT

Record the onset of Korotkoff sounds as the systolic pressure, and the disappearance of these sounds as diastolic pressure. (Some healthcare professionals recommend recording diastolic 1 and diastolic 2. Diastolic one occurs at phase 4).

**NOTE:** It is recommended that K4 be used in children aged 3 to 12, and K5 should be used for pregnant female patients unless sounds are audible with the cuff deflated, in which case K4 should be used. K5 should be used for all other adult patients.

After measurement is completed, open valve fully to release any remaining air in the cuff. Remove cuff.

## CARE AND MAINTENANCE

### STORAGE

**POCKET GAUGE:** After measurement, fully exhaust cuff then wrap cuff around gauge and bulb and store in zippered carrying case.

**CLOCK GAUGE:** After measurement, fully exhaust cuff then wrap cuff around bulb and store in storage compartment.

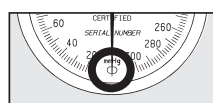
**NOTE:** This product will maintain the safety and performance characteristics specified at temperatures ranging from 50°F to 104°F (10°C to 40°C) at a relative humidity level of 15% to 85%. This device can safely be stored at temperatures ranging from -4°F (-20°C) to 131°F (55°C) with a relative humidity of 90%.

**MANOMETER:** Your pocket aneroid gauge (01-800GM, 01-802GM or 01-809GM), or clock aneroid (01-805GM) requires minimal care and maintenance.

The manometer may be cleaned with a soft cloth but should not be dismantled under any circumstances.

Gauge accuracy can be checked visually; simply be certain the needle rests within the printed oval when the unit is fully deflated (see above).

Should the indicator needle of the manometer rest outside of this calibration mark, then the manometer must be re-calibrated to within  $\pm 3$  mmHg when compared to a reference device that has been certified to national or international measurement standards. A manometer whose



**NOTE:** Store gauge with valve in full exhaust position.

indicator needle is resting outside of this mark, is NOT acceptable for use.

In the event that the gauge is ever in need of calibration, simply return the damaged or broken parts to be replaced as needed at a minimum charge. Refer to the warranty for specific details of warranty coverage.

The manufacturer recommends a calibration check every 2 years.

### CUFF CLEANING AND DISINFECTING

**NOTE:** Use one or more of the following methods and allow to air dry:

- Wipe with mild detergent and water solution (1:9 solution). Rinse
- Wipe with Enzol per manufacturer's instructions. Rinse
- Wipe with .5% bleach and water solution. Rinse
- Wipe with 70% isopropyl alcohol
- Launder with mild detergent in warm water, normal wash cycle. Remove bladder first. Cuff is compatible with 5 wash cycles

### LOW LEVEL DISINFECTION

Prepare Enzol enzymatic detergent according to the manufacturer's instructions. Spray detergent solution liberally onto cuff and use a sterile brush to agitate the detergent solution over entire cuff surface for five minutes. Rinse continuously with distilled water for five minutes. To disinfect, first follow the cleaning steps above, then spray cuff with 10% bleach solution until saturated, agitate with a sterile brush over entire cuff surface for five minutes. Rinse continuously with distilled water for five minutes. Wipe off excess water with sterile cloth and allow cuff to air dry.

**CAUTION:** Do not iron cuff.

**CAUTION:** Do not heat or steam sterilize cuff.

### BULBS AND VALVES

**FUNCTION:** To inflate the bladder to the desired pressure and permit controlled deflation.

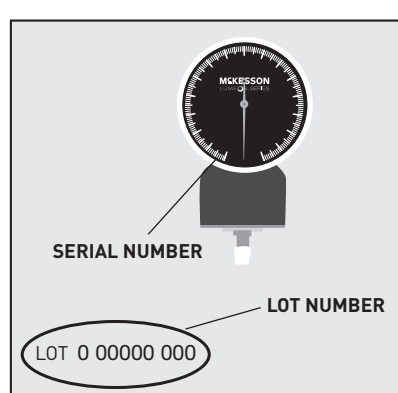


The valve is made of chrome-plated brass with a knurled thumb-screw. An integral filter-screen prevents dust build-up. The molded bulb is fitted with a filter-screen protected end valve for added protection.

**TO OPERATE:** Close the valve by fully rotating thumb-screw clockwise. To open, rotate counterclockwise. Deflation should be maintained at a constant rate of 2-3mmHg/second throughout measurement for best results (in accordance with recommendations set forth by the AHA).

### MANOMETER QUALITY CONTROL

A Serial number and Lot number are automatically assigned to every aneroid during manufacturing, ensuring every item is "controlled".



The Serial Number can be located on the faceplate of each aneroid (above).

The Lot number is located on the outside label of the manometer packaging (above).

### STANDARDS

ANSI/AAMI/ISO 81060-1:2007  
EN/ISO 81060-1:2012.

### DISPOSAL

When your sphygmomanometer has reached its end of life, please be sure to dispose of it in accordance with all regional and national environmental regulations. Devices that have become contaminated should be disposed of in accordance with all local ordinances and regulations.

## MCKESSON

Questions? Call 1-800-777-4908

### ■ Satisfaction Guaranteed

If you are not completely satisfied with any McKesson Brands product, you may return it for a full refund or credit.

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