Stethoscopes
Liberty Range

CARDIOLOGY ULTRASHARP
CLASSIC TUNABLE
LIBERTY CLASSIC
SPRAGUE RAPPAPORT
DOCTORS DUAL HEAD
NURSES SINGLE HEAD
PEDIATRIC DUAL HEAD
PINNARD/FETAL
TEACHING STETHOSCOPES
Contents

CARDIOLOGY ULTRASHARP ....................... 2
CLASSIC TUNABLE ............................. 3
CLASSIC .......................................... 4
DOCTORS DUAL HEAD ........................... 5
SPRAGUE RAPPAPORT .......................... 6
CLASSIC PEDIATRIC ............................. 8
PEDIATRIC DUAL HEAD ......................... 8
STORKIE III ....................................... 9
BASIC DUAL HEAD ............................... 10
TEACHING ....................................... 10
NURSES SINGLE HEAD ......................... 11
FETAL ............................................. 11
STETHOSCOPE SPARES ......................... 12
COLOURS & PACKAGING ....................... 14
STETHOSCOPE COLOURS ....................... 14
PRODUCT USE ................................. 15
PRODUCT CARE ................................. 16
GENERAL USE AND MAINTENANCE .......... 16
CHOOSE YOUR PRODUCT ..................... 16
PRODUCT ANATOMY ............................ 17
Cardiology Ultrasharp
Professional Cardiology Stethoscope

Concise, sleek and smooth ergonomic design for that professional touch.

Special Zinc Alloy chest piece is beneficial for sound collecting and conducting. Electroplating technology make the surface more smooth and effectively resists tarnishing.

The length of spring is 60mm in it’s natural state and comfortable to wear. The angle of the ear tube is set at 75°.

The audio-conductivity is particularly good. Extra strong A-tube made of PVC have separate sound conducting pathways for the left and right ears.

Features
― Ergonomic and unique design
― Two-in-one tube system for improved sound conduction
― Comfortable and flexible binaural
― Silicone ear tips make the auscultation clearer
― Stainless steel deep coned chest piece
― Double inner spring binaural
― Non chill ring and diaphragm retaining ring provide excellent patient comfort
― Stethoscope Length: 78cm
― Available in black only
― Warranty: 12 Month Manufacturer’s Warranty
― Packaged in a foam lined box with two extra sets of ear tips

Silicone fitted ear tip, sounds more clearly, is durable and comfortable to wear. The internal benched design can avoid the ear tube penetrating the ear tip.
Classic Tunable
New and Innovative Stethoscope

Dual head professional stethoscope with superior acoustic sensitivity and pressure sensitive diaphragm. The high performance stainless steel chest piece is at the top of its class. The definitive doctors stethoscope.

Light non-corrosive titanium design features “Superflex” binaural tubing assembly, colour coordinated plastic retaining, and non-chill rings. Complete with the innovate pressure sensitive diaphragm and advanced ear tip.

Features
- Innovative design with tunable diaphragm
- Optimum acoustic performance
- Finest craft finish with multi patents
- Soft ear tips
- Chest piece with non-chill ring
- Stethoscope Length: 77cm
- Latex Free
- Available in 7 colours for departmental coding or personal identification
- Free name tag with each stethoscope
- Free spare ear tips and diaphragm
- Professionally packaged in a cardboard box
- Warranty: 5 Year Manufacturer’s Warranty


<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Colours</th>
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<tbody>
<tr>
<td>LSCLTB</td>
<td>LIBERTY CLASSIC TUNABLE STETHOSCOPE BLACK</td>
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<tr>
<td>LSCLTNB</td>
<td>LIBERTY CLASSIC TUNABLE STETHOSCOPE NAVY BLUE</td>
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<tr>
<td>LSCLTO</td>
<td>LIBERTY CLASSIC TUNABLE STETHOSCOPE ORANGE</td>
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<td>LSCLTP-MF</td>
<td>LIBERTY CLASSIC TUNABLE STETHOSCOPE MCGRATH PINK</td>
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<td>LSCLTPU</td>
<td>LIBERTY CLASSIC TUNABLE STETHOSCOPE PURPLE</td>
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<td>LSCLTR</td>
<td>LIBERTY CLASSIC TUNABLE STETHOSCOPE RASPBERRY</td>
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<tr>
<td>LSCLTRB</td>
<td>LIBERTY CLASSIC TUNABLE STETHOSCOPE ROYAL BLUE</td>
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</tbody>
</table>
Classic

Featuring a two-sided chest piece, this classic stainless steel stethoscope offers high acoustic sensitivity for superior performance. The Liberty Classic Stethoscope has professional styling along with practicality and performance.

Features

- Rotating stainless steel chest piece
- Double inner spring binaural
- Non-chill ring and diaphragm retaining ring provide excellent patient comfort
- Flexible PVC tubing, standard length 63cm
- Stethoscope Length: 79.5cm
- Latex Free
- Packaged in a hanging display case
- Warranty: 12 Month Manufacturer’s Warranty

<table>
<thead>
<tr>
<th>Code</th>
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<th>Colours</th>
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<td>LSCLLGCS</td>
<td>LIBERTY CLASSIC STETHOSCOPE LIME GREEN</td>
<td></td>
</tr>
<tr>
<td>LSCLMCS</td>
<td>LIBERTY CLASSIC STETHOSCOPE MAGENTA</td>
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</tr>
<tr>
<td>LSCLNBCS</td>
<td>LIBERTY CLASSIC STETHOSCOPE NAVY BLUE</td>
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</tr>
<tr>
<td>LSCLPUCS</td>
<td>LIBERTY CLASSIC STETHOSCOPE PURPLE</td>
<td></td>
</tr>
<tr>
<td>LSCLTCS</td>
<td>LIBERTY CLASSIC STETHOSCOPE TEAL</td>
<td></td>
</tr>
</tbody>
</table>

Colours are in indication only and may vary from actual product and between supplies
Liberty Lightweight Aluminium Stethoscopes

Featuring a two-sided chest piece, only a truly extraordinary precision instrument combines outstanding performance with distinctive styling. Acoustic response is remarkable from its quality engineered chest piece. A very economical and well designed unit.

**Features**
- Light weight aluminium reversible head chest piece
- Adjustable chrome plated internal binaural
- Flexible 56 cm PVC tubing
- Stethoscope Length: 76.2cm
- 8 fashionable colours for departmental coding or personal identification
- Rubber non chill ring for patient comfort
- Packaged in a hanging display case
- Name tag included
- Warranty: 12 Month Manufacturer’s Warranty

**Liberty Branded Stethoscopes**

**Doctors Dual Head**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Colours</th>
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</thead>
<tbody>
<tr>
<td>LSD006BCS</td>
<td>DOCTORS DUAL HEAD STETH BLACK (IN CLAM SHELL)</td>
<td><img src="image" alt="Black" /></td>
</tr>
<tr>
<td>LSD006HGCS</td>
<td>DOCTORS DUAL HEAD STETH HUNTER GREEN (IN CLAM SHELL)</td>
<td><img src="image" alt="Hunter Green" /></td>
</tr>
<tr>
<td>LSD006MCS</td>
<td>DOCTORS DUAL HEAD STETH MAGENTA (IN CLAM SHELL)</td>
<td><img src="image" alt="Magenta" /></td>
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<tr>
<td>LSD006NBCS</td>
<td>DOCTORS DUAL HEAD STETH NAVY BLUE (IN CLAM SHELL)</td>
<td><img src="image" alt="Navy Blue" /></td>
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<tr>
<td>LSD006PICS</td>
<td>DOCTORS DUAL HEAD STETH PINK (IN CLAM SHELL)</td>
<td><img src="image" alt="Pink" /></td>
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<td>DOCTORS DUAL HEAD STETH PURPLE (IN CLAM SHELL)</td>
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<td>LSD006RCS</td>
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Colours are in indication only and may vary from actual product and between supplies.
Sprague Rappaport

Because of its versatility, the Sprague Rappaport stethoscope is an excellent choice for medical students, paediatricians and cardiologists.

With the flexibility of 5 different chest-piece attachments, the stethoscope is highly useful in the detection of a wide range of heart and lung sounds in adults, children and infants. The ability to detect high, medium and low frequencies is achieved by using the different accessories (see next page).

Features
— The threaded chest piece allows the use of 5 interchangeable chest piece fittings
— An adult and paediatric diaphragm and three bells for accurate detection of high, middle and low frequency sounds in children and adults
— Tubing Length: 56cm
— Stethoscope Length: 81.3cm
— Adjustable binaurals
— Dual head chest piece
— Accessory pouch containing 2 spare diaphragms, one pair of mushroom ear tips and one pair of silicone ear tips
— Complete with instruction manual
— Packaged in a hanging display case
— Warranty: 12 Month Manufacturer’s Warranty

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Colours</th>
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</thead>
<tbody>
<tr>
<td>LSPR010BKCS</td>
<td>SPRAGUE STETHOSCOPE IN CLAM SHELL - BLACK</td>
<td>![Black]</td>
</tr>
<tr>
<td>LSPR010HGCS</td>
<td>SPRAGUE STETHOSCOPE IN CLAM SHELL - HUNTER GREEN</td>
<td>![Hunter Green]</td>
</tr>
<tr>
<td>LSPR010PUCS</td>
<td>SPRAGUE STETHOSCOPE IN CLAM SHELL - PURPLE</td>
<td>![Purple]</td>
</tr>
<tr>
<td>LSPR010RBCS</td>
<td>SPRAGUE STETHOSCOPE IN CLAM SHELL - ROYAL BLUE</td>
<td>![Royal Blue]</td>
</tr>
<tr>
<td>LSPR010TCS</td>
<td>SPRAGUE STETHOSCOPE IN CLAM SHELL - TEAL</td>
<td>![Teal]</td>
</tr>
</tbody>
</table>

Sprague Teaching Stethoscope Available on Request

Colours are in indication only and may vary from actual product and between supplies.
**Diaphragm**

Use the diaphragm to detect faint high pitched respiratory sounds and components of certain cardiac sounds. The diaphragm attenuates low pitched frequencies thereby making high pitched frequencies easier to recognise. To accommodate a range of patients, use the various sized diaphragms to better isolate the origin of sounds. Included are both child and adult sizes.

Large Diaphragm: Generally, this chest-piece is used to detect heart sounds of low frequency, diastolic and third heart sounds, as well as first and second heart sounds. The high pitched murmurs emitted from the heart are also detectable.

Small Diaphragm: This is designed to hear infant heart sounds of high pitched nature.

**Bell**

Use the bell to detect low frequency cardiac sounds such as first and second heart sounds. As with diaphragms, you can match the bell size to your patient to better locate the sound origin. For this reason, we provide three different sized bells: infant, child and adult.

Adult Size Bell: To pinpoint low and medium pitched sounds and murmurs.

Medium Size Bell: Concentrates on narrow spots such as between ribs or any other small places to detect low and medium pitched sounds and murmurs.

Infant Size Bell: Best suits the examination of infants and small children, low and medium pitched sounds and murmurs.

**Accessory Kit**

The accessory kit contains the following components:

- Spare adult and child plastic diaphragm
- Three bells (1 adult, 1 child and 1 infant)
- Two sets ear tips (mushroom style and clear PVC)
Classic Pediatric

Featuring a two-sided chest piece, this classic stainless steel stethoscope offers high acoustic sensitivity for superior performance. The Liberty Classic Pediatric Stethoscope has professional styling along with practicality and performance.

Features

- Rotating stainless steel chest piece
- Double inner spring binaural
- Non-chill ring and diaphragm retaining ring provide excellent patient comfort
- Flexible PVC tubing, standard length 63cm
- Stethoscope Length: 78cm
- Latex Free
- Available in black only
- Warranty: 12 Month Manufacturer’s Warranty
- Packaged in a hanging display case

 Pediatric Dual Head

A very economical and well designed unit. Only a truly extraordinary precision instrument combines outstanding performance with distinctive styling. Acoustic response is remarkable from its well designed chest piece.

Features

- Pediatric light weight aluminium reversible head chest piece
- Adjustable chrome plated binaural
- Flexible 56cm PVC tubing
- Stethoscope Length: 76cm
- Non chill ring for patient comfort
- Supplied in a zipped display pouch
- Warranty: 12 Month Manufacturer’s Warranty
Storkie III

Features

- Neonate chest piece with non chill ring for patient comfort
- Specially moulded 60cm PVC tubing provides convenient use in incubators
- Stethoscope Length: 76.2cm
- Adjustable binaural
- Warranty: 12 Month Manufacturer’s Warranty

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Basic Dual Head

Lightweight aluminium stethoscope combines outstanding performance with distinctive styling. A very economical and well designed unit.

The latex-free dual head stethoscope features a lightweight polished aluminium dual head chest piece and flexible 56cm PVC tubing. The chrome plated brass binaurals can rotate for a comfortable fit, and come complete with PVC ear tips.

Features
- Light weight aluminium reversible head chest piece
- Adjustable chrome plated binaural
- Flexible 56cm PVC tubing
- Stethoscope Length: 76cm
- Non chill ring for patient comfort
- Boxed

Teaching

The Liberty teaching and training stethoscopes are specifically designed for multi-function two-person use. The stethoscope’s design allows for great flexibility during clinical and educational settings while the two Y-tubes make this stethoscope comfortable to use.

Features
- Superior sound quality
- Latex-free
- Includes:
  - 2 binaural, 2 pieces of Y-tubing,
  - 1 Y-connector, 1 chest piece
Nurses Single Head

A well made standard single head stethoscope, ideal for nurses taking blood pressure and basic auscultation.

Features

- Light weight aluminium single sided chest piece
- Adjustable chrome plated binaurals
- Flexible 56cm PVC tubing
- Stethoscope Length: 76.2cm
- 5 fashionable colours for departmental coding or personal identification
- Ideally suited for blood pressure measurement
- Supplied in clear PVC zippered display case

Fetal

Your essential tool for midwifery practice!

The Pinard stethoscope - a trumpet-shaped instrument which can be placed on the maternal abdomen over the fetal chest to hear the fetal heart sounds. Also called a fetal or monoaural stethoscope.

Features

- Cone shaped for exceptional sound response
- 125mm high
- 50mm wide
- No sharp edges
Stethoscope Spares

Ear Tips

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<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>LSETCLAST</td>
<td>Soft, Push On</td>
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</tr>
<tr>
<td>LSETCLA</td>
<td>Soft, Screw On</td>
<td></td>
</tr>
<tr>
<td>LSET010</td>
<td>Soft, Push On</td>
<td></td>
</tr>
<tr>
<td>BSET</td>
<td>Hard, Push On</td>
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</table>

Please Note: Ear tips are sold individually, not as a pair.

Chest Pieces

<table>
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<tr>
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<tbody>
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<td>LSCPCLAT</td>
<td>CHEST PIECE FOR LIBERTY CLASSIC TUNABLE SINGLE</td>
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<tr>
<td>LSCPCLA</td>
<td>CHEST PIECE FOR LIBERTY CLASSIC</td>
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</tr>
<tr>
<td>LSCP006</td>
<td>CHEST PIECE FOR DOCTORS DUAL HEAD</td>
<td></td>
</tr>
<tr>
<td>LSCP010</td>
<td>CHEST PIECE FOR SPRAGUE RAPPAPORT</td>
<td></td>
</tr>
<tr>
<td>LSCP005</td>
<td>CHEST PIECE FOR NURSES SINGLE HEAD</td>
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</tr>
<tr>
<td>LSCP006</td>
<td>CHEST PIECE FOR PEDIATRIC 006 DUAL HEAD</td>
<td></td>
</tr>
<tr>
<td>LSCP111</td>
<td>CHEST PIECE FOR STORKIE III (NOT PICTURED)</td>
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<tr>
<td>LSCPCA</td>
<td>CHEST PIECE FOR LIBERTY CARDIOLOGY (NOT PICTURED)</td>
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Please Note: The images of our stethoscope spare parts are not to scale and should be used as a guide only.

Diaphragms

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<tbody>
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<td>DIAPHRAGM FOR LIBERTY CLASSIC TUNABLE</td>
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<tr>
<td>LSDCLA</td>
<td>DIAPHRAGM FOR LIBERTY CLASSIC</td>
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<tr>
<td>LSD006</td>
<td>DIAPHRAGM FOR MODEL 006</td>
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<tr>
<td>LSD010S</td>
<td>DIAPHRAGM FOR MODEL 010 (SMALL)</td>
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<tr>
<td>LSD010L</td>
<td>DIAPHRAGM FOR MODEL 020 (LARGE)</td>
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<td>LSD111</td>
<td>DIAPHRAGM FOR MODEL STORKIE III</td>
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<tr>
<td>LSD006</td>
<td>DIAPHRAGM FOR MODEL 006 PEDIATRIC (NOT PICTURED)</td>
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</table>

Please Note: The images of our stethoscope spare parts are not to scale and should be used as a guide only.
# STETHOSCOPE SPARE PARTS

## Head Frames

![Head Frames Images]

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<tr>
<td>LSHFTCLA</td>
<td>HEAD FRAME &amp; TUBING FOR CLASSIC</td>
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<td>LSHFTCLAT</td>
<td>HEAD FRAME &amp; TUBING FOR CLASSIC TUNABLE [NOT PICTURED]</td>
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<td>HEAD FRAME &amp; TUBING FOR 006 STETHOSCOPE</td>
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<td>LSHF010</td>
<td>HEAD FRAME FOR SPRAGUE</td>
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<td>LSHF006</td>
<td>HEAD FRAME NP BRASS</td>
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<tr>
<td>LSHFTCA</td>
<td>HEAD FRAME &amp; TUBING FOR CARDI (NOT PICTURED)</td>
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Please Note: The images of our stethoscope spare parts are not to scale and should be used as a guide only.

## Non Chill Rings and Rims

![Non Chill Rings and Rims Images]

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<tr>
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<tr>
<td>LSRCLA</td>
<td>RIM FOR CLASSIC OR CARDI LARGE</td>
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<td>LSNCRCLA</td>
<td>RIM FOR CLASSIC OR CARDI SMALL [NOT PICTUR4ED]</td>
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<tr>
<td>LSRNC111</td>
<td>NON CHILL RING FOR CLASSIC</td>
</tr>
<tr>
<td>LSRNC111</td>
<td>NON CHILL RING FOR STORKIE III</td>
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</table>

Please Note: The images of our stethoscope spare parts are not to scale and should be used as a guide only.

## Sundry Spare Parts

![Sundry Spare Parts Images]

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<td>LSYTB</td>
<td>Y SHAPED TUBING BLACK</td>
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<td>LSYTS</td>
<td>Y SHAPED TUBING SILVER</td>
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<td>SHL</td>
<td>LIBERTY STETHOSCOPE HOLDER</td>
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<tr>
<td>LSNT</td>
<td>LIBERTY STETHOSCOPE NAME TAG</td>
</tr>
<tr>
<td>LSPR010P</td>
<td>SPARE ACCESSORIES POUCH FOR SPRAGUE</td>
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</tbody>
</table>

Please Note: The images of our stethoscope spare parts are not to scale and should be used as a guide only.
Colours & Packaging

Stethoscope Colours

<table>
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<tr>
<td>Classic Tunable</td>
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<tr>
<td>Classic</td>
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<tr>
<td>Classic Pediatric</td>
<td>•</td>
</tr>
<tr>
<td>Cardiology Ultrasharp</td>
<td>•</td>
</tr>
<tr>
<td>Sprague Rappaport</td>
<td>•</td>
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<tr>
<td>Doctors Dual Head</td>
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<tr>
<td>Pediatric Dual Head</td>
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<tr>
<td>Storkie III / Neonatal</td>
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</tr>
<tr>
<td>Basic Dual Head</td>
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</tr>
<tr>
<td>Teaching Steths</td>
<td>•</td>
</tr>
<tr>
<td>Nurses Single Head</td>
<td>•</td>
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</tbody>
</table>

The Liberty® Health products Seal of Quality ensures that the product you purchase is free from manufacturing or material faults and has a performance that you would expect for use by a health care professional. If you find any product carrying this symbol to be defective or unsuitable, please return to the place of purchase for replacement or refund.
Product Use
Correct Use of Stethoscopes

Head Frame
Before placing the ear tips of the head frame in your ears, ensure the ear tips face away from you as illustrated. Once seated, you may need to adjust each tip to ensure a proper fit and seal to the ear canal.

Placing the tips in your ears when they face towards you will result in minimal or no sound as this is not anatomically aligned to the ear canal.

Chest Piece
Dual head stethoscopes have 2 sides: the diaphragm side and the open conical bell side.

Only one side is active at any time.

Rotate the chest piece until a click is felt. Test to see which side is active (sounds can be clearly heard from the active side) and if this is not the correct side you wish to use, grasp the stem of the chest piece to which the tubing is attached and rotate 180 degrees until it clicks into position.

Any position other than a clicked position will result in minimal or no sound.

Diagram A
Correct positioning of the ear tip

Diagram B
Incorrect positioning of the ear tip

Optimising the Acoustical Performance

If your stethoscope’s acoustical performance appears to be lacking or absent, try one of following:

Proper Headset Alignment
Liberty stethoscopes have headsets which have been designed to be worn at an anatomically correct angle, oriented toward the user’s ear canals. For proper headset alignment, please see the above instructions under Correct Use of Stethoscopes - Head Frame.

Proper Fit of Eartips
It is important that the proper sized eartips be used to achieve optimal acoustical performance. This is especially true when using the soft-sealing eartips. If the soft-sealing eartip is too large for the user, the compression of that eartip while in the ear, could result in poor acoustical performance. This could also be true if the eartip is too small. Finding the individual’s correct ear size results in the best acoustical performance.

Check the Seal
Stethoscopes rely on an airtight seal in order to transmit body sounds from the patient to the user’s ear. Loose parts in the chestpiece, loose tubing, or cracked tubing can prevent an airtight seal.

Index the Bell
When using a double-sided stethoscope, the user needs to open, or index the bell or diaphragm by rotating the chestpiece. If the diaphragm is open, the bell will be closed, preventing sound from coming in through the bell, and vice versa. For proper chestpiece alignment, please see the above instructions under Correct Use of Stethoscopes - Chest Piece.

Check for Obstructions
If the stethoscope is commonly carried in a pocket, or hasn’t routinely been cleaned, it is possible that lint or dirt could be obstructing the sound pathway. Routine care and maintenance can prevent this from happening.
Product Care
Cleaning and Care of Your Stethoscope

Your Liberty stethoscope is designed to provide years of reliable service and routinely cleaning your stethoscope will ensure optimal acoustical performance throughout the life of your stethoscope.

General Use and Maintenance

— Avoid extreme heat, cold, solvents, and oils
— Avoid prolonged exposure to direct sunlight
— Wipe down binaurals and tubing with alcohol or mild soapy water
— Eartips can be removed from the eartubes for thorough cleaning
— Check eartips on a regular basis

NOTE: Do not immerse your stethoscope in any liquid or subject it to steam sterilisation. If disinfection is required, the stethoscope may be wiped with a 70% isopropyl alcohol solution.

Tubing Care

The majority of tubing used on the Liberty stethoscopes is made of PVC (polyvinylchloride) which can become hard when exposed for long periods of time to the lipids found in human skin and may cause stiffening of the tubing over time.

NOTE: If a stethoscope is worn around the neck, we recommend wearing the stethoscope over a collar, away from contact with your skin.

Choose Your Product
Use the chart below to identify the product range most suitable for your needs.

<table>
<thead>
<tr>
<th>User Groups</th>
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<th>Classic</th>
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Product Anatomy
Stethoscope Parts

Stethoscopes are relatively simple instruments. Despite all the advances in medical tools like automatic blood pressure monitors, electronic ear thermometers, portable medical devices, the timeless stethoscope is still used by nearly every doctor in the world.

Acoustic stethoscopes are more common than electronic models. They operate by transmitting sound from the chestpiece though air-filled tubes to the listener’s ears. No matter what the specific brand or model, all modern stethoscopes consist of three basic parts:
- a chestpiece, tubing and binaurals

Chestpiece
The chestpiece includes the diaphragm on one side and a bell (hollow cup) on the other side. The bell is used for listening to low frequency sounds, while the diaphragm is used for listening to higher frequency sounds.

Tubing
The hollow rubber tubing transmits sound from the chestpiece to the headset. Some stethoscope manufacturers allow you to choose the color and length of the tubing (typically between 22-28 inches).

Binaurals
The binaurals are what takes the sound from the tubing and delivers it to the doctor’s ears. Eartips attach at the ends of each binaural for a comfortable fit. They also work to seal and isolate the internal sounds of the patient from background noise.

The most common stethoscope replacement parts are the rubber components, since over time they will get brittle and crack. All the metal parts are virtually indestructible to normal use. However, even they can get bent, stepped on, or even lost. The biggest factor in how often you’ll need to order replacement parts is the quality and workmanship of the stethoscope. Simply put, high quality stethoscopes are built to last. It is very true that “you get what you pay for” not only in terms of acoustical performance, but also in terms of long term durability.