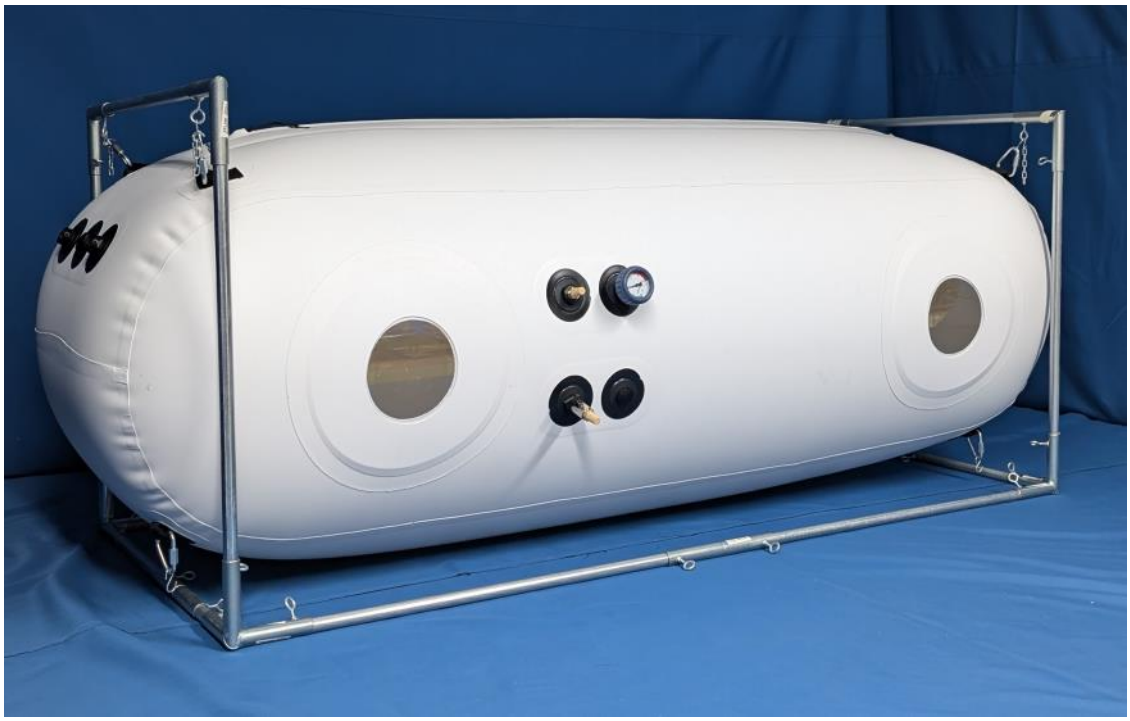
NEWTOWNE HYPERBARICS

A4—HORIZONTAL

Hyperbaric Chamber

Operations Manual



Newtowne Hyperbarics
1106 Market Street
Pocomoke City, MD 21851
410-575-4220
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CONTENTS

This manual will provide you with instructions for setting up and operating your new Hyperbaric Chamber from Newtowne Hyperbarics. Should you have any questions please contact our factory Tuesday - Friday, 9:30 am to 5:30 pm

Newtowne Hyperbarics
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Pocomoke City, MD 21851

Email: sales@newtownehyperbarics.com
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GETTING STARTED

PACKAGE CONTENTS

Standard and optional equipment includes the following items. Please check the packing list included with your order for items specific to your order.

BOX 1 - Chamber and components

□ Chamber with standard components: (see pgs. 4 &5)
□ Operations Manual - packing list, invoice, and final evaluation form included in same package.
□ Frame Connectors (4 -3way, 4 - elbows, 2- straight, 4 Quicklink Triangles with chain)
Note: **If** your order included an interior frame the installation instructions, including an inventory for the frame, are provided as a supplement at the end of this manual
□ Mattress (3 foam pieces) and Cover (optional upgrade on 27" $275)
□ 10ft. Breathable Air Hose
□ Concentrator kit: 2 O2 masks, O2 supply hose & O2 valve

BOX 2 - Air Compressor

BOX 3 - Frame Poles (12)

BOX 4 - Oxygen Concentrator (optional): Oxygen Concentrator will ship directly from Drive Medical

STEPS FOR ASSEMBLY AND OPERATION

The following list outlines the order in which you should assemble and operate your chamber. Details for each step are included in this manual. **Please read the entire manual before beginning assembly and operation of your chamber. Please follow all steps in the given order.**

1. Review pages titled "Chamber Components" to become familiar with the chamber.
2. Prepare the Compressor
3. Assemble Frame & Prepare the Chamber for Hanging
4. Connect the Compressor
5. Trial Operation: Pressurize to connect chamber to frame & check chain length
6. Assemble and Install Mattress
7. Install Oxygen Valve and Connect the Oxygen Concentrator
8. Preparing the Occupant
9. Using the Internal and External Air Deflate Valves: controlling pressure and cooling
10. Operation with Occupant: Procedure Guide

CHAMBER COMPONENTS

CENTER ARRAY OF VALVES AT HEAD END OF CHAMBER

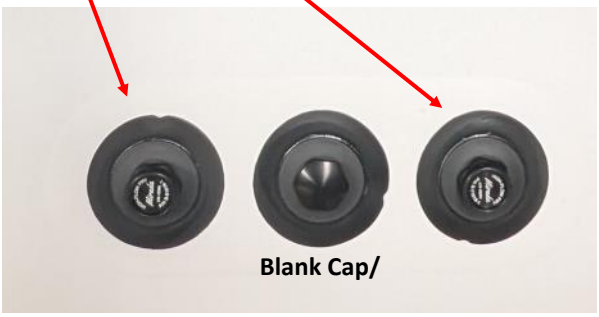
Internal Air Deflate Valve

Pressure Gauge

Blank Cap/ Auxiliary valve port

External Air Deflate Valve

Pressure Relief Valves-*2*



HEAD END VALVES—**Note: 27" chamber has only 2 Pressure relief valves at the head end**

Air Intake

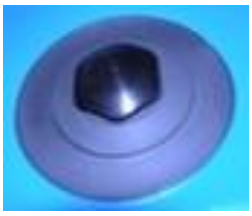
FOOT END VALVES—**Note: 27" chamber has only one blank cap at the foot end**

CHAMBER	CHAMBER	APPROXIMATE CHAMBER WEIGHT	# Top Windows	COMPRESSOR **
27 INCHES	92 INCHES	19 Lbs.	1	HK 80
34 INCHES	95 INCHES	23 LBS	2	HK 120 HK 80 (military)
40 INCHES	108 INCHES	31 LBS	2	HK 120

** For compressor or oxygen concentrator specifications please refer to the manufacturer's manual.

CHAMBER COMPONENTS

1. **Air Intake and Hose**



4. Blank Ports (2)

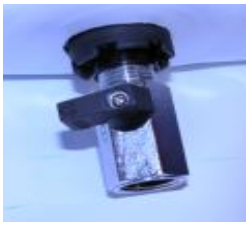
Your chamber comes standard with two blank ports for adding accessories . If you are using an oxygen concentrator, you will use one of these blank ports to install the valve in your Oxygen Concentrator Kit.

2. Pressure Gauge

The pressure gauge reads the pressure inside the chamber. Your gauge should read between 4psi and 4.5 psi at all times.

6. Pressure Relief Valves (2)

Your chamber comes standard with two pressure relief valves. These valves have been pre-set at the factory to operate between 4 and 4.4 psig.



3 & 5. External and Internal Air Deflate Valves with Exterior Sound Mufflers

The deflate valves can be manipulated to control the rate of decompression. Partially open the valve to slow your rate and close it for standard operation

8. Exterior Frame

Valve Handle Positions

Valve Closed

Valve Open

8. Air Compressor

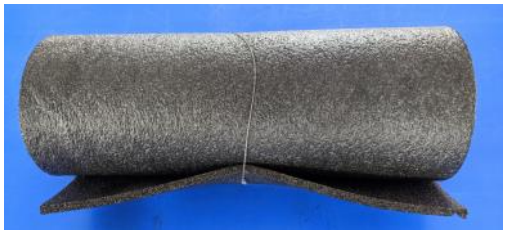
The compressors **do not** have an on/off switch and operate by plugging the power cord into a 120 volt., 60mz, 1phase, grounded receptacle — Standard Home Outlet)

CHAMBER COMPONENTS

Components not pictured on previous page:

Oxygen Kit: 1mask, 1 canula, oxygen tube, oxygen valve

Mattress Foam: 3 Pieces / Mattress Cover Standard with C4-34/ C4-34 Mil/C4-40



Chamber Mat—Standard with C4-27
Upgrade to 4" curved mat: $275

INTERNAL GAUGE *To be installed by customer*
*(*27" comes with the external gauge ONLY. Internal gauge available for $150.)

CHAMBER COMPONENTS : ZIPPERS

The Newtowne Tent Chamber entry system has a triple zipper configuration:

ALL 3 ZIPPERS MUST BE FULLY CLOSED DURING OPERATION

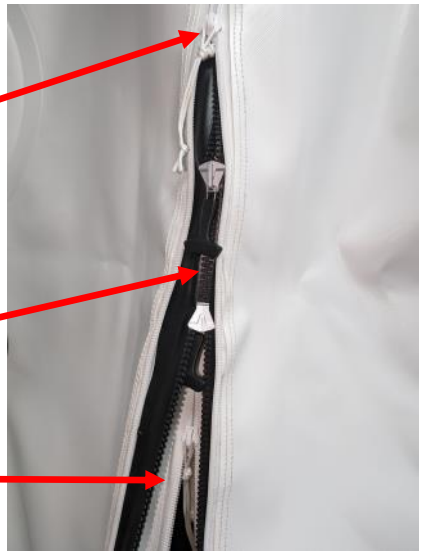
EXTERIOR COIL ZIPPER

interior and exterior coil zippers are used for strength and safety

AIR TIGHT ZIPPER - BLACK

This is the critical zipper and must be fully closed at **BOTH** ends to reach and maintain 4psi within your chamber

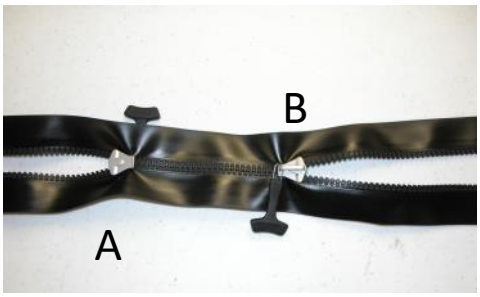
INTERIOR COIL ZIPPER



PLEASE REVIEW "ZIPPER CARE" ON THE NEXT PAGE. ZIPPER OPERATION IS CRITICAL TO CHAMBER OPERATION AND LONGEVITY.

CHAMBER COMPONENTS

9. Zipper Operation and Care

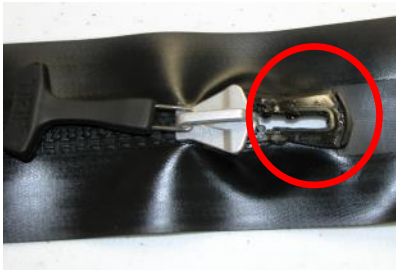


The airtight zipper or has a tab at each end of the zipper. One end will have the pull tab on the inside of the chamber (A) and the other end will have a pull tab on the outside of the chamber (B).

In this picture both tabs have been pulled to the center of the zipper for demonstration purposes

At each end of the zipper is an end stop in a horse shoe configuration. (figure 1) The zipper tab must be pushed to the end of that horse shoe. (figure 2) Note that you will have to apply moderate pressure for this to occur. If you have difficulty you can place some of the zipper lubrication at the end of the zipper (figure 3) -- smooth with your finger around the horseshoe on either side of the zipper. Lubricate your zipper ends every 10 - 20 uses.

1



2 Push tab to end of horse shoe stop

3

The zippers used on this chamber are susceptible to damage due to misuse of abuse. ALL zippers are inspected before, during, and after installation to ensure proper function. Proper function should be verified by the end user upon receipt and any suspected defect or malfunction be immediately reported (within 7 days of receipt)

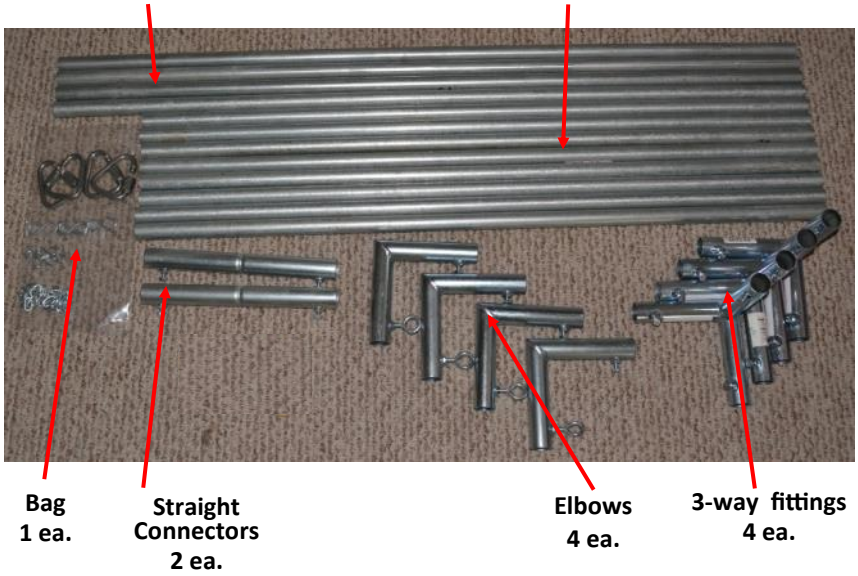
The greatest potential for damage is foreign objects which may partially or wholly impede correct alignment of the zipper teeth and not ensuring that both halves of the zipper are reasonably lined up. These zippers ARE NOT self aligning. **Open and close the zipper with an even force along the line of the zipper. Jerking and pulling to one side or the other may cause the zipper teeth to misalign, and/or cause excessive wear on the zipper backing.**

The ends of the zipper should be lubricated approximately every 10-20 uses with the tube of lubricant provided. **To lubricate zipper** squeeze a small amount of lubrication on the end of the zipper and smooth onto horse-shoe shaped zipper stop at end of the zipper.

CHAMBER ASSEMBLY AND OPERATION

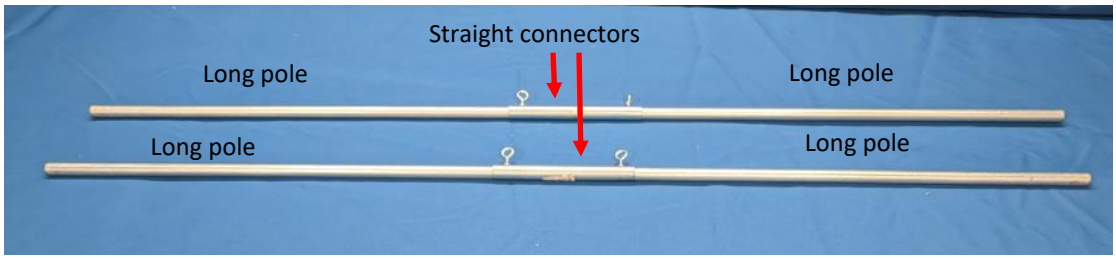
Exterior Frame Assembly

Contents of Bag

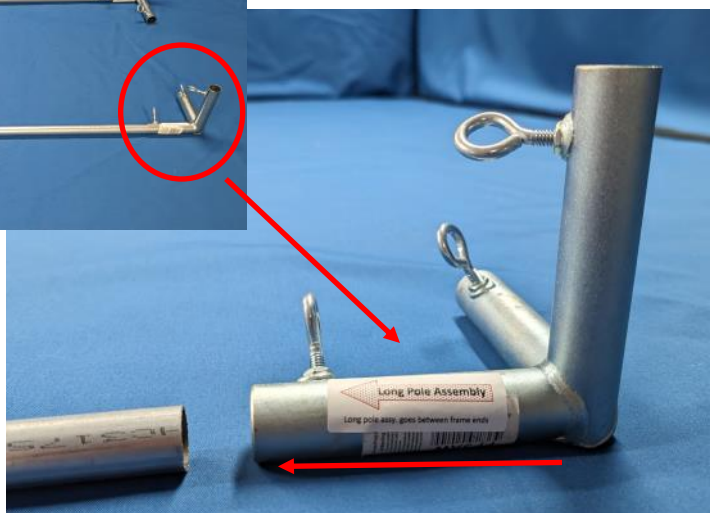


STEP 1: CREATE THE LONG POLE ASSEMBLY

Fully insert the long poles into either side of the straight connectors—tighten eyebolts



STEP 2: ATTACH 3 WAY CONNECTORS TO LONG POLE ASSEMBLY



Slide the end of the 3-way connector with the "LONG POLE ASSEMBLY" sticker onto each end of the long pole assemblies.

TIGHTEN EYEBOLTS

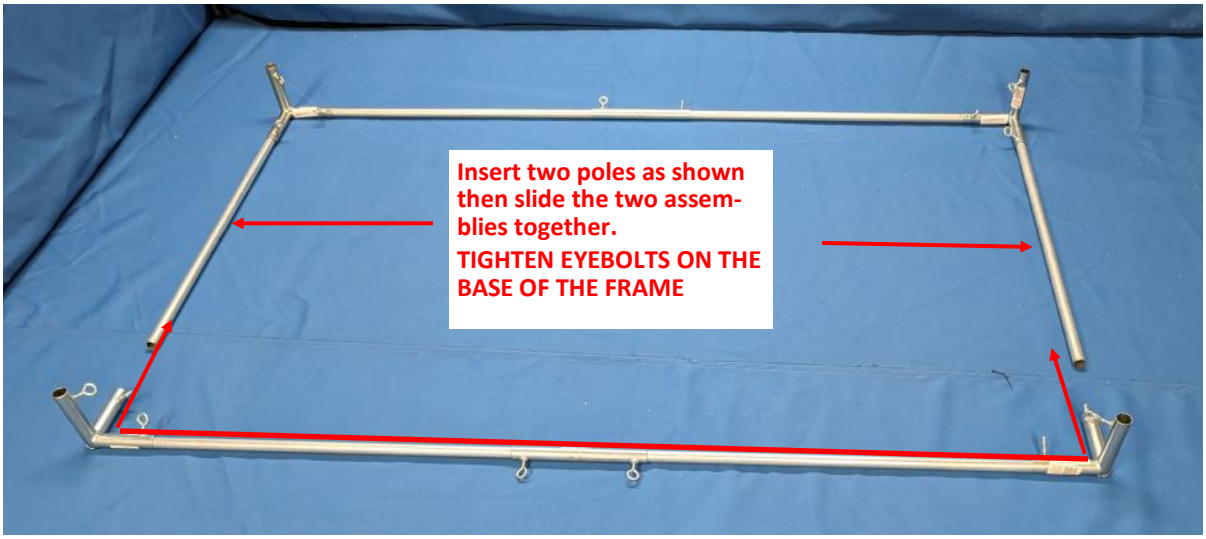
HINT: Keeping the whole assembly flat on the floor as you put it together will help ensure that it is not askew.

CHAMBER ASSEMBLY AND OPERATION

Exterior Frame Assembly

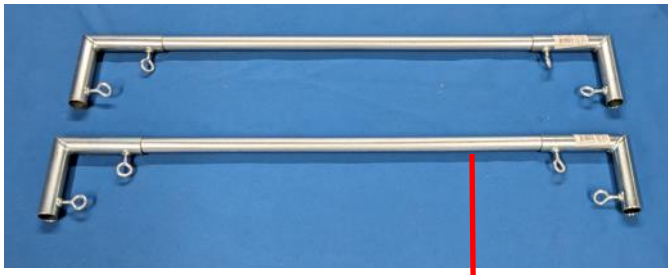
STEP 3: COMPLETE THE FRAME BASE

Attach the two Long Pole Assemblies together to complete the base of the frame as shown.



STEP 4: INSERT VERTICAL POLES—
DO NOT TIGHTEN EYEBOLTS

STEP 5: ASSEMBLE AND INSTALL CROSS BARS



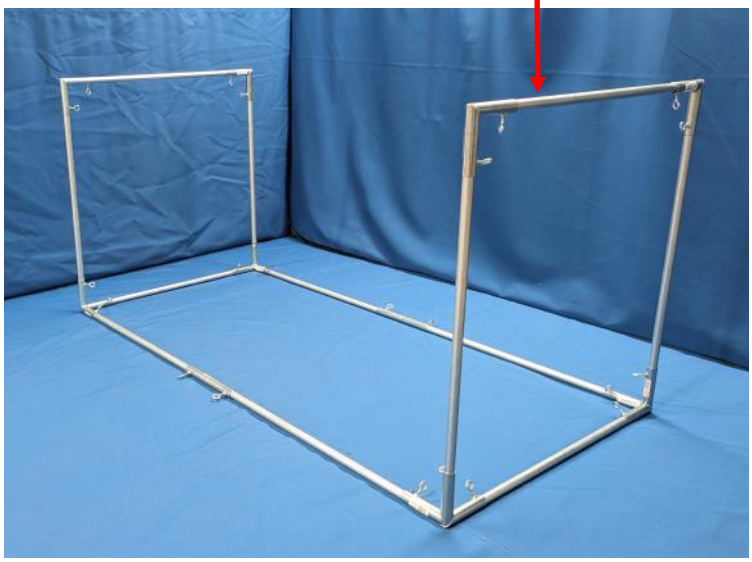
Attach the right angle connectors to either end of the two remaining poles.
TIGHTEN EYEBOLTS

STEP 6: COMPLETE FRAME ASSEMBLY

Install the crossbars onto the vertical poles as shown (right).

TIGHTEN ALL EYEBOLTS ON THE FRAME

You are now ready to hang your chamber



CHAMBER ASSEMBLY AND OPERATION

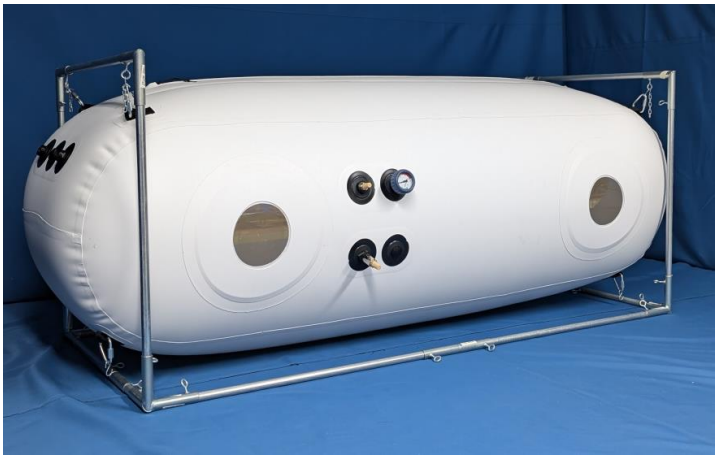
Preparing the Chamber for Hanging and Inflation

- Position the frame on floor or platform at least 3 feet away from heat or open flame. The chamber can also be used without the frame on top of a bed.
- The chamber should be set up in a cool location: pressure changes will cause the temperature in your chamber to increase approximately 5-10 degrees Fahrenheit during treatment.
- Remove Chamber from Packaging - pinch and pull window covers to remove.
- Lay Out Chamber on top of assembled frame .

You will need to decide how you want to hang your chamber. For the 27” and 34” most use the top entry, for the 40” most use the side entry. You will install the triangle carabiners (Delta Quick Links) on the next page

SIDE ENTRY:
ZIPPER SITS @ SIDE

Place your triangle carabiners in the black loops on either side of **the windows**



TOP ENTRY:
ZIPPER FACES CEILING

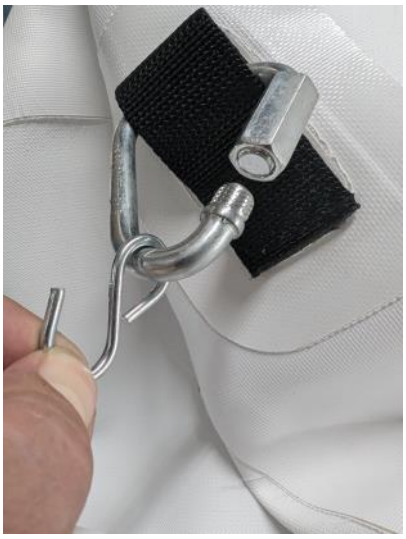
Place your triangle carabiners in the black loops on either side of **the zipper**

CHAMBER ASSEMBLY AND OPERATION

Preparing the Chamber for Hanging and Inflation

INSTALL Delta Quicklinks

Unscrew the locking nut to open the quick link. Insert quick link into webbing loop and turn through.



Install the “S” hook for the chain onto the quick link and close locking nut by turning counterclockwise..

NOTE: One end of the large S hook is partially closed. This is the end that goes on the Delta Quicklink

Do Not connect any chains at this time.
The chains are an optional feature that will be explained later in the manual.

CHAMBER ASSEMBLY AND OPERATION

Prepare the Compressor

♦ Prepare the Compressor for use:

- **You will need the following items for this step:**

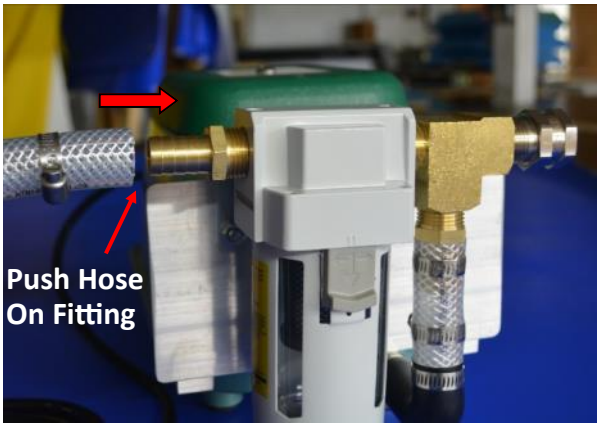
Compressor (s) with filter

Air Hose

Flathead screw driver OR

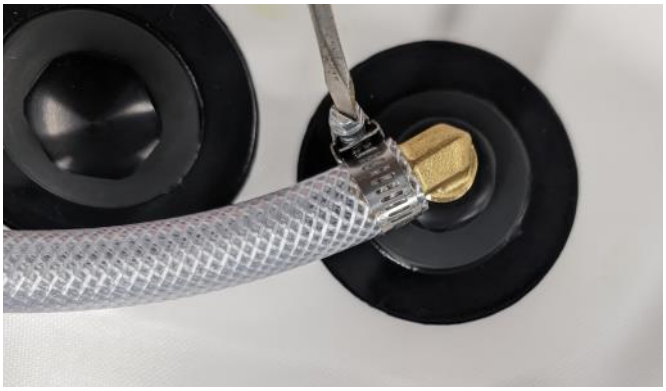
5/16” nut driver to tighten clamp

- **Attaching the hose to the compressor**



- For DUAL compressors, set up each compressor with its own air hose
- Locate compressor(s) within 4 to 6 feet of chamber insuring slack in air hose.

- Connect air hose to chamber
- Push the air hose onto the intake valve— Tighten hose clamp as high up on the valve as you can while still covering the end of the hose with the clamp.



CHAMBER ASSEMBLY AND OPERATION

Trial Pressurizaion - NO OCCUPANT

⇒ **Your chamber is shipped ready to inflate. You should have the air compressor connected to the chamber via the air hose with the quick connect. - DO NOT INSTALL THE MATTRESS OR THE OXYGEN CONCENTRATOR UNTIL TRIAL PRESSURIZATION HAS BEEN COMPLETED.**

1. Turn on the compressor by plugging it into a standard outlet.
2. Your chamber will take 10 to 20 minutes to inflate to full pressure from flat.

    - When the chamber has reached full pressure you will feel and hear air being released from at least one the pressure relief valves. (round flat valves on the end of the chamber)
    - Two relief valves are installed in the chamber as a redundant safety measure and may begin releasing air at slightly different pressures. *There is no need for concern* If only one valve is releasing air.
    - As the chamber begins to become rigid you will want to *watch the pressure gauge* to ensure it was not damaged during shipping. Your gauge should read between 4.0 and 5.0 at full pressure (ie. air is being released by the pressure relief valves).
    - **IF YOUR GAUGE READS HIGHER THAN 5.0 PSI AND NO AIR IS BEING RELEASED FROM THE PRESSURE RELIEF VALVES -- TURN OFF THE COMPRESSOR AND CALL THE FACTORY OR YOUR DISTRIBUTOR FOR ASSISTANCE.**
    - If your chamber has not fully pressurized within 20 minutes make sure that your internal and external deflate valves are closed (see page 5) and that all 3 zippers are fully closed (see page 6-7).

⇒ **Once the chamber has fully pressurized continue with attaching the chamber to the frame on the next page.**

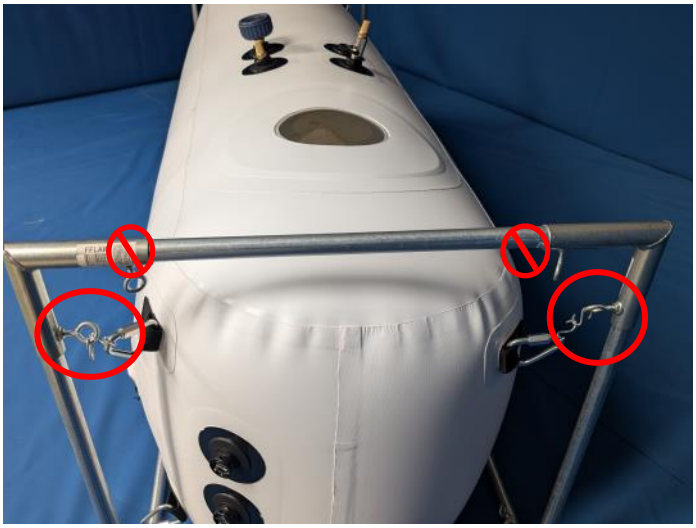
CHAMBER ASSEMBLY AND OPERATION

Attach Chamber to Frame and Adjust Chains

NOTE: The chamber MUST be at full pressure when attaching to the frame

- Attach the small S hook to the frame in the appropriate eye bolt.
- You will then attach the large S hook and chains (if needed) to the small S hook on the frame.
- Set the S hooks and chains (if needed) as tightly as possible WITHOUT lifting the chamber off the floor. You may notice the ends come off the floor once the chamber has deflated which is OK.

Side Entry Attachment:



Attach the small S hooks to the eyebolts on the **SIDE** of the frame as shown in the picture to the left.

Top Entry Attachment:

Attach the small S hooks to the eyebolts on the **TOP** of the frame as shown in the picture to the left.

Once your chamber is secure you may use a pair of plyers to close the S hooks to prevent them from slipping

CHAMBER ASSEMBLY AND OPERATION
DEFLATING AND OPENING THE CHAMBER

DEFLATING THE CHAMBER

To deflate the chamber open the **EXTERIOR DEFLATE VALVE** by rotating the black handle so it is in line with the silver part of the valve as shown here

OPENING THE CHAMBER

Once the pressure gauge is AT OR VERY CLOSE TO ZERO you may begin opening the zippers

NEVER OPEN ZIPPERS UNTIL THE PRESSURE HAS BEEN RELEASED FROM THE CHAMBER
YOUR ZIPPERS WILL BREAK OPEN AND THE CHAMBER WILL BE UNUSABLE

MATTRESS INSTALLATION:

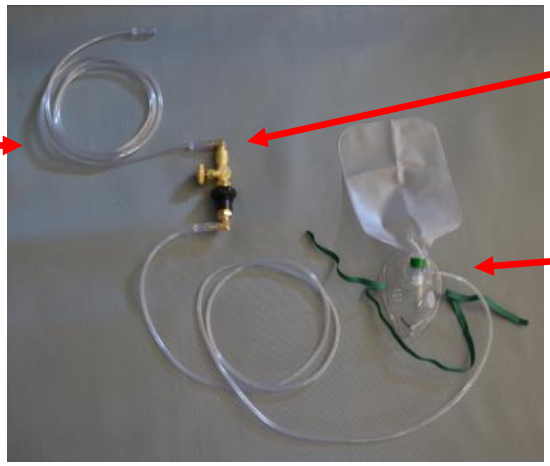
Lay out the mattress cover with the zipper up. Place the foam into the ends of the cover with the smaller side facing you. Place the center piece last by matching the edges of the other two pieces and wedge into place. The zipper side of the mattress will be next to the chamber floor.

CHAMBER ASSEMBLY AND OPERATION

Oxygen Concentrator Installation - optional

If you did not purchase an oxygen concentrator or an O2 Kit please proceed to the next section.

♦ O2 Kit Inventory



Air Hose: installs between chamber and concentrator

Valve: installs on chamber

Mask with hose

(2 ea)

♦ Install the valve into the chamber

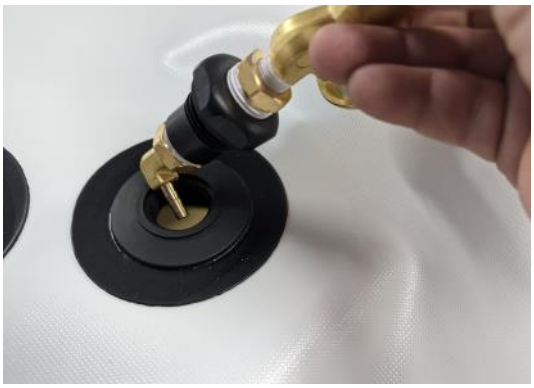
1. Unscrew one of the blank plugs from the port in the chamber by turning counter clockwise.

DO NOT REMOVE THE CAPS WITH WRITING ON THEM

Note: You will need to use pliers or an adjustable wrench to remove. Threads are all metal.

2. Insert the O2 valve in the port as shown (right).

Secure the valve in the chamber by screwing the black adapter into the chamber port rotating clockwise. Gently tighten with a wrench or pair of pliers.



To Turn **Valve ON**: Turn handle counter clockwise

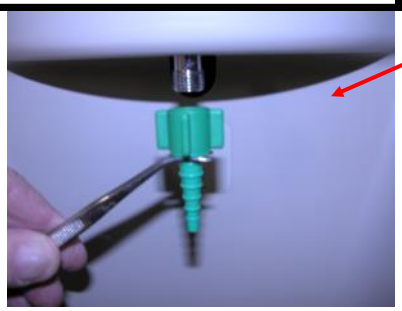
To Turn **Valve OFF**: Turn the handle clockwise.

CHAMBER ASSEMBLY AND OPERATION

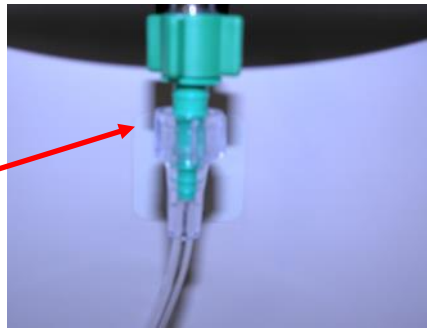
Oxygen Concentrator Installation - optional

OXYGEN FLOW METER (LPM) SHOULD BE SET BETWEEN 7 AND 9 LPM

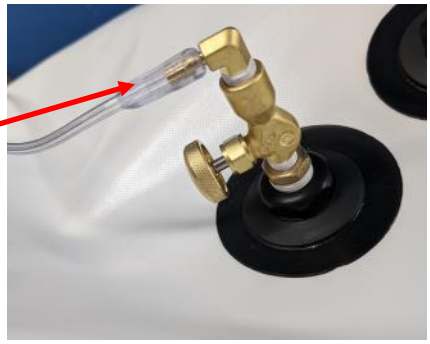
1. Hand Screw the hose coupling onto the oxygen concentrator: (the coupling should be in the same box as the concentrator or may already be attached)

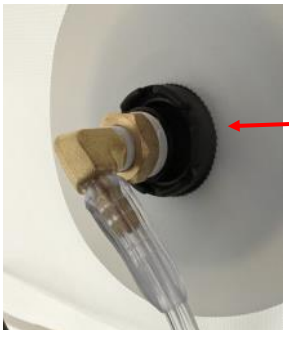


2. Attach one end of the oxygen tube to the coupling on the concentrator as shown. If one end of the tube is larger, connect the larger end to the



3. Attach the other end of the oxygen tube to the O2 valve in the chamber as shown right.





4. Connect the hose for the mask or cannula to the valve on the inside of chamber.

OXYGEN MASK or CANNULA SHOULD ALWAYS BE WORN WHEN CONCENTRATOR IS IN USE!

CHAMBER ASSEMBLY AND OPERATION

Installing the Internal Gauge

ADAPTER W/VENT CAP

Remove the red plastic thread protector

INTERNAL GAUGE

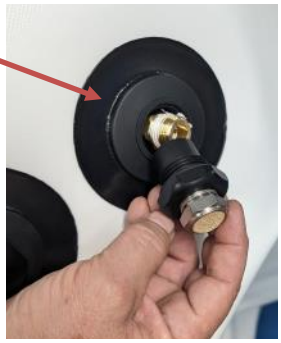
(The numbers will read counter clockwise)

1. Unscrew one of the blank plugs from the port in the chamber by turning counter clockwise.

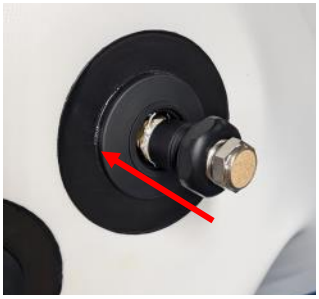
DO NOT REMOVE THE CAPS WITH WRITING ON THEM

Note: You will need to use pliers or an adjustable wrench to remove. Threads are all metal.

NOTE: Gauge is on inside of the chamber.
This view is on the outside of the chamber



2. Bring the threads of the gauge assembly through the port hole from the inside of the chamber. Screw the adapter onto the gauge threads from the outside of the chamber



3. Screw the adapter with the gauge attached into the chamber.

INSIDE OF CHAMBER

OUTSIDE OF CHAMBER

CHAMBER ASSEMBLY AND OPERATION

Preparing the Occupant

Comfort

To make the hyperbaric experience more pleasant you should be as comfortable as possible. Take care of restroom needs, gather items for inside the chamber , and dress in comfortable clothing (no sharp items such as belt buckles, jewelry, etc..) before entering the chamber for treatment. You may also want to put a lamp near the chamber for additional reading light.

Ear Squeeze

Most people experience pressurization in their ears while the chamber is pressurizing and depressurizing. **Do not wear ear plugs or hearing aids when compressing.** You can employ the following equalization procedures to alleviate Ear Squeeze:

- Yawning
- Swallowing
- Rotating the jaw / Chewing
- Valsalva technique: pinch off the nostrils and blow gently through your nasal cavity until the pressure is equalized.
- *The rate of pressurization can be controlled using the Air Deflate Valve. Open the Valve slightly until ears are comfortable - close the valve to continue pressurizing.*
- ***DO NOT CONTINUE USAGE IF YOU EXPERIENCE PAIN OR ARE UNABLE TO CLEAR YOUR EARS. DEPRESSURIZE AND CALL THE FACTORY 410-575-4220***

Lung Squeeze

Lung (thoracic) Squeeze is easy to prevent if you **do not hold your breath during compression / decompression.** Breathe normally while inside the chamber. In the unlikely event of rapid decompression you **must exhale.**

Carbon Dioxide

While inside the hyperbaric chamber the user is in an enclosed structure. Carbon Dioxide exhaled while breathing is not a concern as long as the air compressor is running. **The air compressor must be running while the chamber is in use.** In the event of a power failure, don't panic: there will be enough oxygen in the chamber to allow time for the chamber to decompress and to be opened normally.

Caution

Contradictions Of Use

- Occupants with Colds or Flu
- Occupants with blocked Eustachian tubes
- Occupants wearing any device in the ear that causes blockages in the outer ear canal
- Occupants displaying symptoms of decompression (DCS) sickness
- Occupants under the influence of alcohol
- Occupants exposed to high levels of CO_2
- Pregnancy- please consult your physician
- **Occupants who have COPD and are already oxygen dependent.**

CHAMBER ASSEMBLY AND OPERATION

Using the Air Deflate Valves: Controlling the Rate of Pressure and Releasing Pressure from the chamber

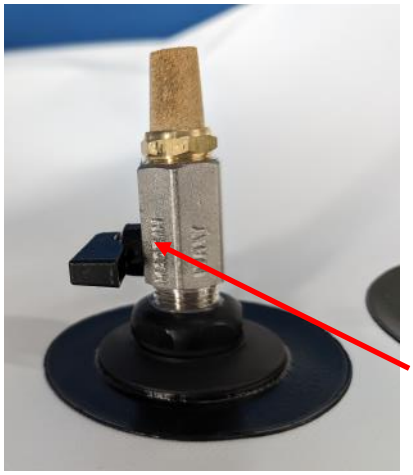
NEVER OPEN ZIPPERS UNTIL THE GAUGE READS ZERO

YOUR ZIPPERS WILL BREAK OPEN AND THE CHAMBER WILL BE UNUSABLE

Once the chamber has reached working pressure (4 psig) excess pressure will be vented through the pressure relief valves. This process is automatic so no manual adjustment is necessary. When treatment duration has ended, open the deflate valve (internal, external or both) to deflate until material is pliable. (see below)

The internal air valve can be used by the occupant to slow down or stabilize pressurization while waiting for ear equalization. To do this simply turn the black handle so it is not fully open or closed.

Valve Handle Positions



Valve Closed

EXTERIOR DEFLATE VALVE

Valve Open

Valve Closed

INTERIOR DEFLATE VALVE

Valve Open

CHAMBER ASSEMBLY AND OPERATION
CHAMBER OPERATION - WITH OCCUPANT

PROCEDURE GUIDE:

- Turn on both the compressor and the concentrator (order does not matter).
- Check to make sure your internal and external air deflate valves are both closed (see p 15 for a picture of open vs. closed valve)
- Check to make sure your oxygen valve is open (you will feel air coming through the valve on the inside of the chamber)
- Enter the chamber - **If using as a top entry, do not use frame for support.**
- If you are operating the chamber by yourself you will need to close the outside blue zipper first - next, close the black zipper making sure the tab is secure at the end - then close the inside blue zipper. (If an assistant is present, the order will be reversed)
- You can control the rate of pressurization with the internal air deflate valve -- if you feel it is too fast and you need more time for your ears to adjust to the pressure you can open the valve to let some air out until you are ready to continue. Note that the more you do this the longer it will take to inflate.
- You will know that you are at top pressure when you hear the relief valves as they begin to release air (hissing noise).
- When you are ready to get out, open the air deflate valve to begin letting the air out -- **do not open the zipper until the material is no longer rigid.**

CAUTION!

The compressor(s) must be plugged in and running with air hose connected during the entire session to prevent CO_2 build - up inside the chamber.

If a power outage occurs, OR air hose becomes disconnected during treatment, depressurize and exit the chamber normally.

NEVER OPEN ZIPPERS UNTIL THE PRESSURE HAS BEEN RELEASED FROM THE CHAMBER

YOUR ZIPPERS WILL BREAK OPEN AND THE CHAMBER WILL BE UNUSABLE

Cleaning and Disinfecting:

Cleaning:

All interior and exterior chamber surfaces can be cleaned with any mild hypoallergenic soap and water.

Procedure

1. If cleaning solution is concentrate follow manufacturer instructions.
2. With a clean sponge or cloth, wipe down surfaces with cleaning solution.
3. Wipe surfaces with clean damp towel to remove any remaining residue

Disinfecting:

All interior and exterior chamber surfaces can be cleaned with any commercially available, “hospital use only” disinfectant suitable for skin contact. However, many disinfectants can leave a lingering odor in your chamber. The simplest solution is to mix 3% Hydrogen Peroxide (this is the common household bottle found at the grocery or drug store) with distilled or purified water. The mixture should be about 1/2 Hydrogen Peroxide and 1/2 water.

Procedure:

1. If using a commercially available disinfectant follow manufacturers instructions.
2. Spray all surfaces with disinfectant.
3. Wipe surfaces with clean damp towel to remove any remaining residue.

All surfaces should be dry before use.

Warning:

Do not use solvents, alcohol, or bleaches. Do not use sealants of any type on the chamber - call the factory if you suspect a leak in the chamber.

The filter element on the air compressor should be replaced annually and may be purchase through Newtowne Hyperbarics.

CAUTION!: FDA STATEMENT and CONTRA-INDICATIONS

Sale or use of this device requires a prescription.

Federal law restricts this device for sale only by or on the order of a physician, dentist, or other qualified professional.

Frequency and Duration of Chamber Sessions

Chamber treatment schedules are established by the physician , dentist or therapist.

Environments for use

Chambers may be used as normal in inside or outdoor (tested to 0^{o} F) environs. Chamber should operate as normal regardless of humidity or altitude.

Indications for use

Mild Hyperbaric Chambers are intended for the treatment of Acute Mountain Sickness. All other conditions are considered “off label”.

Caution—Contradictions Of Use

- Occupants with Colds or Flu
- Occupants with blocked Eustachian tubes
- Occupants wearing any device in the ear that causes blockages in the outer ear canal
- Occupants displaying symptoms of decompression (DCS) sickness
- Occupants under the influence of alcohol
- Occupants exposed to high levels of CO_2
- Pregnancy- please consult your physician
- **Occupants who have COPD and are already oxygen dependent.**

Caution

- Air Use Only—DO NOT PRESSURIZE WITH OXYGEN
- 4 psi maximum pressure: Relief valves are preset at the factory for your safety Do not tamper with relief valves (see diagram page 5)
- Use only clean air supplied by approved air source*
- **A constant supply of input air is necessary to prevent CO_2 buildup**
- If a power outage occurs , exit the chamber per manual instructions immediately.

* EPA TO-15, ASTM D-1945, Particulate Analysis

RETURN and WARRANTY POLICIES

Each chamber we produce goes through rigorous inspection and testing before it is shipped to you. After production each chamber is cycled from 1/2 psi to 7 psi over 100 times to test for strength and integrity. Before your unit is shipped, it is tested again with all of the components installed . At that time we also test the zippers, gauge, and relief valves. You will find all of this information in your paperwork on a form titled " Final Test and Evaluation".

RETURN POLICY:

New products sold by Newtowne Hyperbarics (NTH) may be returned within 15 days of purchase for a refund - rentals excluded. To qualify for a full refund the customer MUST contact NTH within 15 days of receipt of goods to get a Return Authorization Number. All items must be carefully packed, insured, and returned in original packaging. Customer assumes all responsibility for any damage and expenses incurred while shipping back to the factory. Refund may be reduced by fees incurred during sale including credit card fees and shipping costs included with sale.

WARRANTY POLICY:

Newtowne Hyperbarics warrants your product to be free from defects in material and workmanship for a period of 2 Years from the original date of purchase. If you discover a defect in a product covered by this warranty, we will repair at our option using new or refurbished components, or if repair is not possible, replace the item.

This warranty covers defects in manufacturing discovered while using the product **as recommended by the manufacturer**. The warranty does not cover loss or theft, damage caused by misuse, abuse, unauthorized modification, improper storage conditions, lightning, or natural disasters. The cost of shipping to and from the factory is the responsibility of the owner. Should the product(s) fail, your sole recourse shall be repair or replacement, as described in the preceding paragraph.

USE OF UNAUTHORIZED SEALANTS/ADHESIVES/SOLVENTS OR UNAUTHORIZED MODIFICATION WILL VOID YOUR WARRANTY—this includes duct tape, super glue, any product w/ silicone, urethane adhesives, etc…

By installing or using the product, the user accepts all terms described herein.

Extended warranty is available and may be purchased any time within the first 2 year warranty period. Pricing is subject to change, please contact the factory for current pricing:

Model	Year 1	Year 2	Year 3	Year 4	YEAR 5
Class 4-27	Included	Included	$475.00	$600.00	$725.00
Class 4-34	Included	Included	$775.00	$900.00	$1025.00
Class 4-40	Included	Included	$1225.00	$1300.00	$1475.00

HAZARD ANALYSIS

HAZARD	CONSEQUENCE	PREVENTATIVE MEASURE
Bladder seam not fully sealed.	Unsealed area of seam will pull apart and allow air to escape	Contact Manufacturer for repair
One relief valve fails to operate or is deactivated.	No effect. All relief would be focused on 2nd relief valve.	Internal valve can be activated. Either the internal or the external relief valves are individually capable of venting chamber
Both relief valves fail to operate or are deactivated	Chamber air pressure would build. Insignificant	Internal valve can be activated. Either the internal or the external relief valves are individually capable of venting chamber Compressor for the Seal is incapable of creating pressure to catastrophic failure - Contact Factory.
Puncture of Chamber Wall	Gradual loss of Air.	Contact Manufacturer for repair
Zipper Tooth Damage	Unable to close chamber or gradual loss of air at area of damage	Zipper Care is addressed in the operations manual. Contact Manufacturer for repair
Air Hose Cut or disconnected while in Use	Pressurization is halted	Occupant should exit chamber immediately and re-attach hose. If una-
Deformation or bulging during inflation	Material integrity compromised	Contact Manufacturer for repair
Outside attendant becomes incapacitated or leaves the chamber unattended	Inconsequential	Occupant has full control of functions from within the chamber.

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