



# SQUID

ACTIVE COLD COMPRESSION DEVICE & COLD PACK

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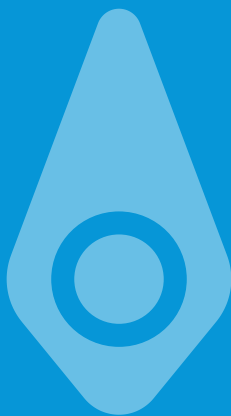
## INSTRUCTIONS FOR USE

(OVER-THE-COUNTER USE)



PORTABLE THERAPEUTIX LLC

REUSABLE



GO DEEP

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Read instructions prior to use.



Manufactured for Portable Therapeutix - Houston, TX

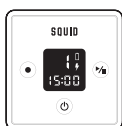
## ABOUT THIS MANUAL

This manual describes the Portable Therapeutix Squid Model One Cold Compression (“Squid”) device and Cold Pack, and provides instructions for its use. Please read the entire manual carefully before use. This manual contains information, contraindications, and warnings that must be observed to ensure safe operation and maintain the Squid Model One in a safe condition. The Squid Model One MUST be used in accordance with the instructions.

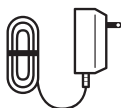
## PACKAGE COMPONENTS & ACCESSORIES

### PUMP COMPONENTS

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Squid Pump  
Control Unit



AC Adaptor  
(Power Supply)



Connector  
Tube

### WRAP COMPONENTS

---



Squid Wrap



Barrier Cloth\*

### GEL PACK

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Reusable Cold  
Gel Pack

\* Type BF applied part

\* Barrier Cloth not included with ankle and shoulder models

FIGURE 1 - PACKAGE COMPONENTS & ACCESSORIES

Potential patient contacting materials include the following:

- Wrap - Nylon with TPU backing
- Gel pack - Ethylene-vinyl acetate (EVA)
- Barrier cloth - Polyester

## TECHNICAL DESCRIPTION

The Squid Model One combines cold therapy with intermittent compression. The Squid Model One pump provides intermittent air pressure to an air bladder in the wrap. Wraps come in a variety of sizes to best fit the treatment area. Pump pressure, inflate cycle time and deflate cycle time are automated to control the amount of compression and the treatment time. For patient comfort, there are 4 modes (Table 1), which have different peak pressures and time on and time off cycles. The total duration of treatment time is 15 minutes.

	DEFAULT			
MODE	1	2	3	4
PEAK PRESSURE (ON)	30 mmHG	50 mmHG	70 mmHG	85 mmHG
LOW PRESSURE	0 mmHG	0 mmHG	0 mmHG	0 mmHG
TIME ON	40 seconds	35 seconds	30 seconds	25 seconds
TIME OFF	20 seconds	25 seconds	30 seconds	35 seconds
DURATION	15 minutes	15 minutes	15 minutes	15 minutes

TABLE 1 - MODE DESCRIPTION

The modes are visible on the LCD display. Example of mode 1 is seen in Figure 2.

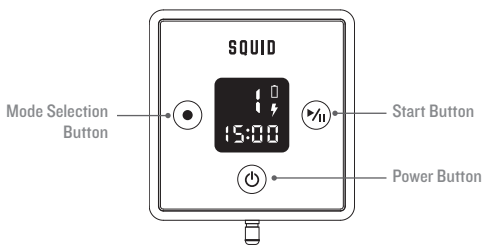


FIGURE 2 - MODE DISPLAY

## WRAPS

Squid Model One wraps come in various sizes and configurations for specific body parts and uses. Never use any wrap or Squid Model One cold gel pack directly on the skin. Always use the included cloth or clothing over the skin.

## INDICATIONS FOR USE

The Squid Model One Cold Compression device and Cold Pack for OTC use is indicated for the temporary relief of minor muscle aches and pains.

The compression device is indicated for temporary increase in circulation of the treated areas in people who are in good health, and simulates kneading and stroking of tissues using an inflatable garment.

The cold pack is indicated for localized therapy in situations where cold temperature therapy is necessary or desirable.

## **WARNING**

**DO NOT USE ON EXPOSED SKIN. ONLY USE THE DEVICE OVER A LAYER OF CLOTHING OR SUPPLIED CLOTH TO PREVENT FROSTNIP. PATIENTS WHO ARE TAKING ANTICOAGULANT MEDICATION FOR VALVULAR HEART DISEASE OR SOME OTHER CONDITION MAY BE AT RISK OF DEVELOPING A HEMATOMA (CLOTTED BLOOD IN THE TISSUE FROM A BROKEN BLOOD VESSEL).**

## **CONTRAINDICATIONS**

### **DO NOT USE IF YOU HAVE ANY OF THE FOLLOWING CONDITIONS.**

- Cold urticaria (hives after being exposed to cold)
- Cold hypersensitivity or bradycardia; (slowing of the heart rate and/or skin swelling surrounded by redness; may be itchy after being exposed to the cold)
- Vasospastic disease (tissue swelling or embolus which can lead to death of the skin after being exposed to the cold)
- Paroxysmal cold hemoglobinuria (anemia or presence of hemoglobin in the urine after being exposed to the cold)
- Raynaud's syndrome (numb or prickly feeling and/or skin turns blue after being exposed to the cold)
- Cryoglobulinemia (higher than normal levels of blood cryoglobulins which are proteins)
- Thrombosis (blood clots in the brain, heart or other blood vessels) or suspected Deep Vein Thrombosis (DVT)
- Aneurysm (enlargement of a blood vessel artery caused by a weak artery wall)
- Vascular disease which includes narrowing of blood vessels or thickening of blood vessel walls causing loss of blood flow.
- Diabetes (blood glucose disease)
- High blood pressure
- Compromised local circulation (blood circulation that is not normal)
- Heart disease
- Cancer (active disease)
- Do not use the device during or 3 months after pregnancy
- To prevent skin irritation or rash, do not use the device if you have sensitive, inflamed, or damaged skin or if you have a broken or open wound

- Do not use the device over or near the site of a broken bone or a healing fracture
- Not for use if you are under 18 years of age

## **KNOWN AND FORSEEABLE RISKS**

There is a risk of:

- Excessive cooling and frostnip if the gel pack is used directly on the skin, if the clothing barrier is wet, or if the wrap is exposed to a large amount of water.
- Irritation if the gel pack leaks.
- Irritation, pain, irregular bloodflow if the wrap is exposed to excessive external pressure.
- Strangulation or asphyxiation if the user's neck is entangled by system tubes and/or cords.
- Hematoma if the user is on anticoagulant medication.



## CAUTIONS

- Allow at least one hour before repeating the treatment.
- Do not use cold gel pack over wet clothing.
- Use only a dry wrap. Do not use the wrap if it is wet.
- Do not leave on the treated part when control unit is off or after treatment is over.
- Do not use gel packs if air temperature is below 50°F.
- To avoid the risk of electrical shock, do not remove any panels from the Squid Model One pump.
- To avoid the risk of electrical shock, always turn off the Squid Model One and disconnect the power line cord from its electrical outlet when not in use.
- To avoid damage to your product, do not operate the Squid Model One without a wrap connected to the Squid Model One pump. Do not tamper with the plug to allow easy disconnection of the adapter plug from the mains.
- Only use the cold gel pack provided with the Squid Model One.
- Keep gel pack content away from mouth and eyes. In case of ingestion, seek medical care. In case of contact with eyes, wash with water and seek medical care.
- The Squid Model One pump is not waterproof. Do not apply a direct stream of any liquid onto the Squid Model One pump; do not submerge it; and do not allow any liquid to pool on the surface of the front panel.
- Attempting to self-service any part of the Squid Model One will void the warranty and may cause injury.
- Avoid contact of wrap and gel pack with sharp objects.
- Use this device only at its intended body part and according to instructions.

## CAUTIONS

- To avoid risk of strangulation from the output AC power cord and the connector tube, always keep the device away from children.
- Do not make modifications to the device.
- Exposure to lint, dust, direct sunlight, and moisture will accelerate the aging of the device.
- Disconnect the AC power line cord once the pump is fully charged to reduce the chance of decreasing battery life.
- Removing the connector tube from the pump without using the metal tab will cause damage to the pump.

## SAFETY INFORMATION

This device has been manufactured and tested in accordance to UL/IEC 60601-1 and 60601-1-2.

There are no serviceable parts in the Squid Model One.

To avoid electrical shock, product malfunction or damage, never operate the Squid Model One with damaged power cords or connector hoses or other mechanical damage, or if the unit is otherwise not fully operational.

Never operate the Squid Model One with any AC adapter other than that provided by Portable Therapeutix. Use of other adapters may result in electrical shock and will void the Squid Model One warranty.

## BATTERY INFORMATION AND CHARGING

Squid Model One can be used for up to 50 treatments on a single charge.

Actual number may vary based on treatment conditions and the wrap model being used.

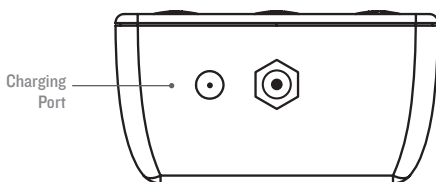
Battery charging cycle life: 70% of initial minimum capacity after 500 cycles at 68°F (20°C).

The Squid Model One may be used with the AC adaptor plugged into a wall outlet, or it may be used with battery power. The Squid Model One may be operated while charging.

Please note that the rechargeable battery inside the Portable Therapeutix Squid Model One is not removeable. Attempting to self-service will void the warranty and may cause injury.

## CHARGING THE SQUID PUMP UNIT:

1. Charge the Squid Model One pump by plugging the charger to the wall and the Squid Model One pump. Full charge will require 8 hours
2. When the battery charge indicator shows empty battery after the unit is turned on, the unit will have sufficient power for up to 3 treatments. Flashing empty battery symbol indicates drained battery and the unit will not start. The unit can then be used while plugged into a wall outlet. If battery is completely drained (battery icon flashing), the unit may require 5-10 minutes of charging before it may be used while plugged into a wall outlet.



Bottom of Squid Pump

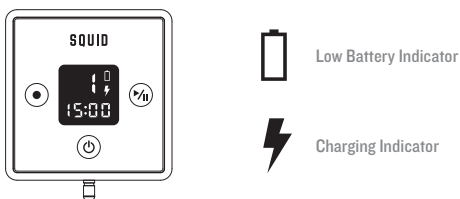


FIGURE 3 - LOW BATTERY & CHARGING INDICATORS

## OPERATING INSTRUCTIONS

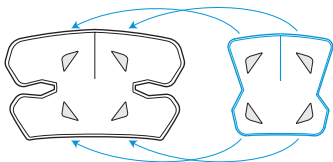
NOTE: The Squid Model One is reusable.

### THE COLD GEL PACK

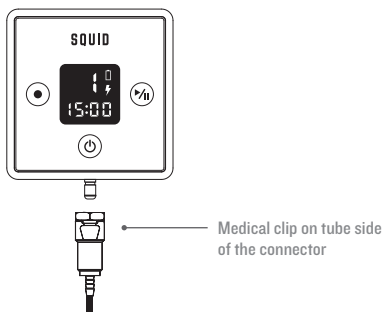
1. Place the Squid Model One cold gel pack in a home freezer (0-8° F) for 12 hours use.
2. Under normal use conditions, the Squid Model One cold gel pack recommended life cycle is one year for maximum efficacy.
3. To obtain a replacement gel pack, contact Portable Therapeutix customer support.

### WEARING THE WRAP:

1. Remove the cold gel pack from the freezer and place within the compression wrap, aligning the Velcro on the wrap with the Velcro on the gel pack and secure the Velcro hooks for firm attachment.



2. The pictures on pages 11 and 12 show the available wraps. Pictures demonstrating the Squid Model One being used in different treatment areas are found on pages 13-24. **The Squid Model One must be used over clothing or over the barrier cloth.** Place the wrap over the clothing or barrier cloth with the cold gel pack facing the skin and the tube connector towards the ground.
3. Secure the wrap in place using the Velcro.
4. Connect both ends of the tubing to the connectors on the wrap and pump control unit by pressing the metal clip on the tube side of the connector.



### INITIATING TREATMENT:

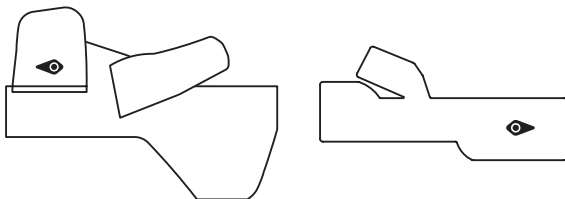
1. Turn the control unit **ON** by pressing and holding the **"POWER"** button (⏻) for half a second.
2. Select an operation mode by pressing the **"MODE"** selection button (●). The selected mode will appear on the display as a number from 1 to 4 (1 for low pressure and 4 for high pressure). Always start using in mode 1. Use modes 2, 3, 4 to increase pressure until a comfortable pressure is achieved. The mode may be changed during use by pressing the **"START"** button (▶||) for half a second. When the screen begins to blink, press the **"MODE"** selection button (●) to the level desired. Once the level desired is flashing on the screen, press the **"START"** button (▶||) again to continue the treatment.
3. Press the **"START"** button (▶||) for half a second to initiate treatment. The device will intermittently compress the cold gel pack to the skin for 15 min.
4. When 15 minutes are over and the timer on the pump control unit is showing (0), remove the wrap from the anatomical location. The Squid Model One pump control unit will turn off automatically after less than 5 seconds.
5. Use the metal clip to disconnect the connector tube from the pump. Pulling the tube without disengaging the metal clip will damage the tube and pump.

## AVAILABLE SQUID MODEL ONE WRAPS AND GEL PACKS

\* Denotes the Wrap comes in multiple sizes

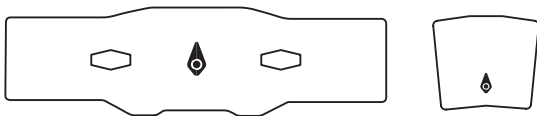
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### \*ANKLE WRAP



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### BACK WRAP



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### ELBOW WRAP

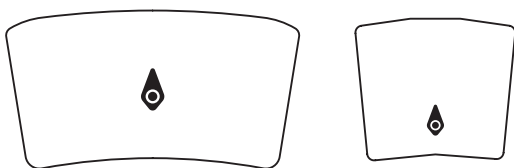


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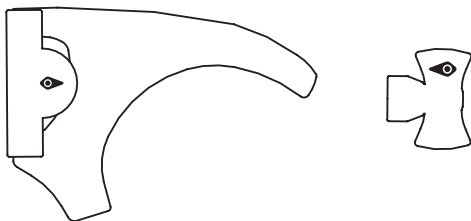
**KNEE WRAP**



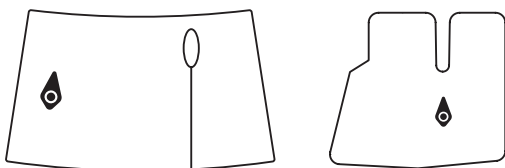
**\*LEG WRAP**



**\*SHOULDER WRAP**



**WRIST WRAP**



## ANKLE WRAP: QUICK START GUIDE

⚠ ATTENTION: CONSULT ACCOMPANYING DOCUMENTS BEFORE USE.

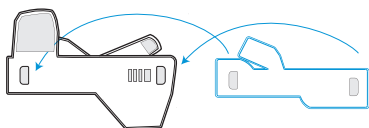
1

Place gel pack in freezer for 12 hours prior to use.

12  
HOURS

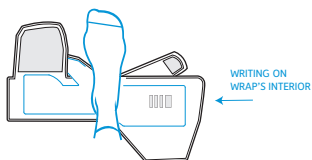


2



Velcro the cold gel pack to the inside of the ankle wrap.

3



Place foot (wearing sock) in center of wrap, with writing on right side of the foot and heel at back edge of the wrap.

4

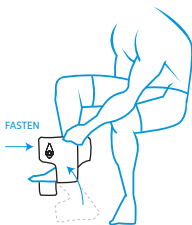
If possible, keep knee and ankle aligned at right angles.





⚠ ATTENTION: CONSULT ACCOMPANYING DOCUMENTS BEFORE USE.

5



Pull the straps on each side of your foot up and towards knee. Wrap the strap with the Squid Model One logo around your shin and fasten.

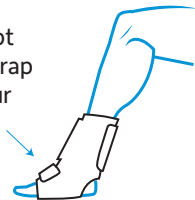
6

Fasten the back strap around calf.

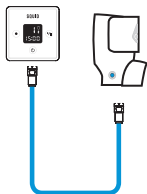


7

Connect the foot straps. Adjust wrap tightness to your comfort level.



8



Attach connector tube to pump and wrap.

Begin 15 Minute Treatment.



## ELBOW WRAP: QUICK START GUIDE

⚠ ATTENTION: CONSULT ACCOMPANYING DOCUMENTS BEFORE USE.

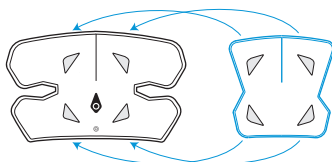
1

Place gel pack in freezer for 12 hours prior to use.

12  
HOURS

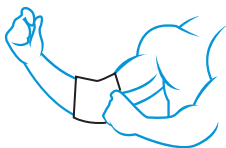


2



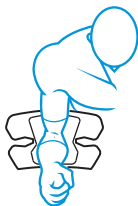
Attach cold gel pack inside of wrap using velcro.

3



Place barrier cloth over elbow. Squid Model One also works over clothing.

4



Position elbow in the center of the wrap's interior with the connector pointing towards wrist.

**⚠ ATTENTION: CONSULT ACCOMPANYING DOCUMENTS BEFORE USE.**

**5**

Fasten the larger strap around bicep.



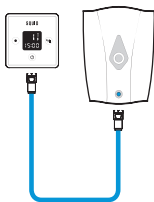
**6**



Then fasten the smaller strap around forearm. Adjust tightness as needed.

**7**

Attach connector tube to pump and wrap.



**8**



Begin 15 Minute Treatment.

## KNEE WRAP: QUICK START GUIDE

⚠ ATTENTION: CONSULT ACCOMPANYING DOCUMENTS BEFORE USE.

1

Place gel pack in freezer for 12 hours prior to use.

12  
HOURS

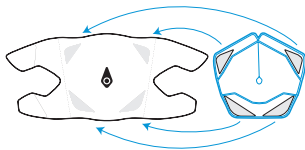


2



Remove gel pack from freezer and fasten its velcro strap.

3



Attach cold gel pack inside of wrap using velcro.

4

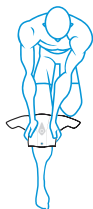


Place barrier cloth over knee. Squid Model One also works over clothing.

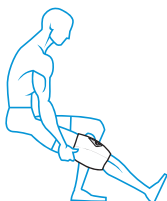
**⚠ ATTENTION: CONSULT ACCOMPANYING DOCUMENTS BEFORE USE.**

**5**

Place Squid Model One on knee and fasten the lower strap first.



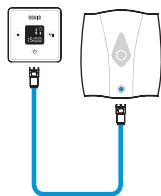
**6**



Fasten the top strap snugly.

**7**

Attach connector tube to pump and wrap.



**8**



Begin 15 Minute Treatment.

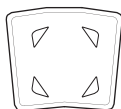
## LEG WRAP: QUICK START GUIDE

⚠ ATTENTION: CONSULT ACCOMPANYING DOCUMENTS BEFORE USE.

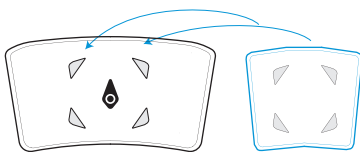
1

Place gel pack in freezer for 12 hours prior to use.

12  
HOURS

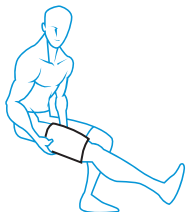


2



Attach cold gel pack inside of wrap using velcro.

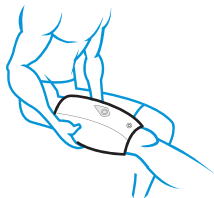
3



Place barrier cloth over leg. Squid Model One also works over clothing.

4

Wrap Squid Model One around the leg.\*



⚠ ATTENTION: CONSULT ACCOMPANYING DOCUMENTS BEFORE USE.

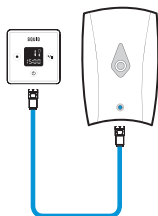
5

Fasten the wrap around the leg snugly using the velcro panels.



6

Attach connector tube to pump and wrap.



7



Begin 15 Minute Treatment.

\*

**TREATMENT TIP:**

The Squid Model One Leg wrap can be positioned in a variety of ways to better treat affected areas:

- QUADRICEP
- HAMSTRING
- KNEE
- CALF
- SHIN

## SHOULDER WRAP: QUICK START GUIDE

⚠ ATTENTION: CONSULT ACCOMPANYING DOCUMENTS BEFORE USE.

1

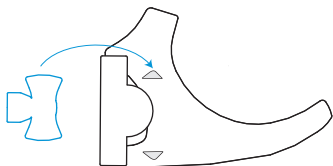
Place gel pack in freezer for 12 hours prior to use.

12

HOURS



2



Attach cold gel pack inside of wrap using velcro.

3

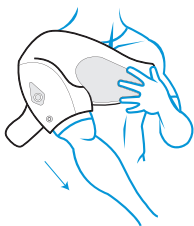
Before putting on wrap, fasten the straps on either side of the connector tube together to create an armhole.



SHOULDER STRAP (FRONT)



4

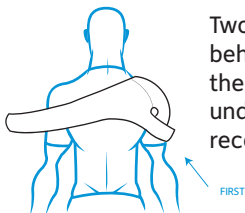


Insert arm with the connector pointing towards wrist. Wear wrap over clothing.



⚠ ATTENTION: CONSULT ACCOMPANYING DOCUMENTS BEFORE USE.

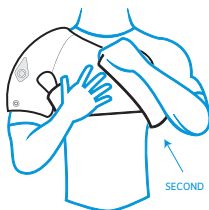
5



Two straps are behind you. Fasten the shorter strap under the arm receiving treatment.

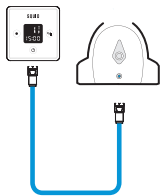
6

Wrap the longer strap around the torso, under the opposite arm.



7

Attach connector tube to pump and wrap.



8



Begin 15 Minute Treatment.

## WRIST WRAP: QUICK START GUIDE

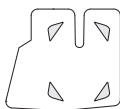
⚠ ATTENTION: CONSULT ACCOMPANYING DOCUMENTS BEFORE USE.

1

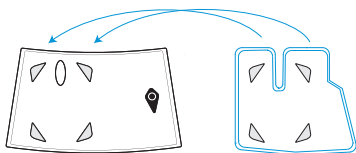
Place gel pack in freezer for 12 hours prior to use.

12

HOURS



2



Attach cold gel pack inside of wrap using velcro.

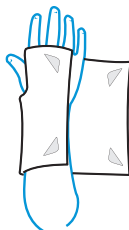
3



Place barrier cloth over wrist. Squid Model One also works over clothing.

4

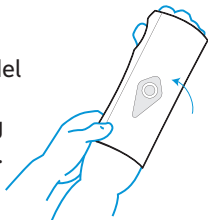
Place thumb through the hole in the wrap.\*



⚠ ATTENTION: CONSULT ACCOMPANYING DOCUMENTS BEFORE USE.

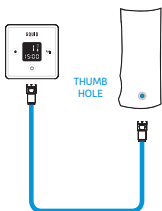
5

Fasten Squid Model One around the wrist snugly using the velcro panels.



6

Attach connector tube to pump and wrap.



7



Begin 15 Minute Treatment.

\*

**TREATMENT TIP:**  
The Squid Model One Wrist wrap works on either wrist. Right hand pictured.

## CLEANING

The exterior of the Squid Model One pump, cold gel pack, connectors, tube, and wrap can be cleaned with a soft cloth, soap, and water.

**Wrap:** Wipe dry and air dry following each use. Do not machine wash. Do not dry clean. Do not iron. Do not submerge in water.

**Gel pack:** Wipe dry following each use.

**Cloth:** Machine wash warm. Tumble dry low. Do not bleach. Do not dry clean. Avoid the use of fabric softeners.

### CAUTION:

The Squid Model One pump is not waterproof. Do not apply a direct stream of any liquid onto the Squid Model One pump; do not submerge it; and do not allow any liquid to pool on the surface of the front panel.

## OPERATING CONDITIONS

**Temperature:** 59°F – 104°F (15°C – 40°C)

**Maximum Atmospheric Pressure:** 50°F – 104°F (10°C – 40°C)

**Humidity:** 30%RH – 90%RH

### Conditions of Visibility:

**Ambient Luminescent Range:** 100lx – 1500lx

**Viewing Distance:** 20cm – 50cm

**Viewing Angle:** Normal to the display  $\pm 30^\circ$

## STORAGE AND TRANSPORTATION

- Make sure that the pump control unit is turned off and is not plugged into a power source.
- Place the Squid Model One pump control unit and AC adapter in a safe, cool, and dry place when not in use.
- Wrap and connector tube must be dry before storing in a cool and dry place. The wrap and connector tube may be rolled prior to storage.
- The cold gel pack should be wiped dry and stored in a cool dark place. When storing for longer than two weeks, place the cold gel pack inside a sealed plastic container or bag prior to storing to minimize evaporation.

**This unit contains a Lithium Ion Battery. Please observe the following Battery Storage Cautions:**

- Do not store Squid Model One pump where it is exposed to high temperatures, direct sunlight, rain, water, or high humidity.

## STORAGE CONDITIONS AND TRANSPORTATION CONDITIONS

**Temperature:** Store at room temperature  
14°F – 140°F (-10°C – 60°C)

**Maximum Atmospheric Pressure:** 700 – 1060 hPa

**Humidity:** 30%RH – 90%RH

**Avoid direct sunlight.**

## TROUBLESHOOTING



### ALARM SYMBOL E1

ERROR

#### WHAT DOES IT MEAN?

The pump pressure did not reach the minimum pressure. Can occur if the cuff is not connected to the pump or the wrap/tube has an air leak preventing the pump from reaching minimum pressure within 3 minutes.

#### WHAT CAN I DO?

Verify that tube connector to the Squid Model One pump and wrap are securely connected and that there is no leak from the system. If no visible reason for a leak is apparent and error signal persists, contact customer support.



### ALARM SYMBOL E2

ERROR

#### WHAT DOES IT MEAN?

The pump pressure exceeded the maximum pressure of the mode. This can occur if the user applies external pressure to the wrap. Any other over-pressure would also indicate a malfunction.

#### WHAT CAN I DO?

Remove external pressure from the wrap or remove wrap. Do not use for one hour. If problem persists, contact customer support.



### ALARM SYMBOL E3

ERROR

#### WHAT DOES IT MEAN?

The pump motor is not working and no compression.








#### WHAT CAN I DO?

Contact customer support.

NO COLD		ERROR
WHAT DOES IT MEAN?	Gel pack is not cold or is missing.	
WHAT CAN I DO?	<ul style="list-style-type: none"> <li>• Make sure that the gel pack is placed in a freezer for 12 hours prior to use.</li> <li>• Verify that the gel pack is placed inside the wrap.</li> </ul>	

NO COMPRESSION		ERROR
WHAT DOES IT MEAN?	The pump is working but the wrap is not compressing.	
WHAT CAN I DO?	<ul style="list-style-type: none"> <li>• Make sure that the wrap is positioned against the body and secured using the Velcro closure.</li> <li>• Make sure wrap is fully deflated prior to wearing.</li> <li>• Make sure the tube connector is connected to the pump control unit and the wrap.</li> <li>• Inspect the wrap and tube connector for an air leak.</li> </ul>	

SQUID PUMP DOES NOT TURN ON		ERROR
WHAT DOES IT MEAN?	Battery is drained and the AC adapter is not connected.	
WHAT CAN I DO?	Charge the Squid Model One pump by connecting the provided charger to the Squid Model One unit and a wall AC power source.	

SYMBOLS DESCRIPTION		MODEL: ONE
	Medical Equipment with respect to electrical shock, fire, and mechanical hazards only in accordance with UL 60601-1	
 9V/2AV/1A	Powered by Direct Current	
	Type BF Applied Parts	
IP 21	IP 21 Classified	
	Class II Equipment	
	Operating Instructions	
	Do not use this device if you have any of the conditions listed in the user manual. Caution: Consult accompanying documents before use.	
	Manufacturer: Portable Therapeutix LLC 9000 Southwest Freeway Sute 424, Houston, TX 77074 USA	

## PRODUCT CONTAINS LI-ION BATTERIES

Li-ion batteries contain large amount of energy and are manufactured with safety features incorporated. Mishandling may cause the battery to leak, fire, or explode and result in personal injury and/or property damage. Please strictly observe the following prohibitive measures.

### DANGER!

**Failure to observe the following procedures may result in battery leakage, heat, bursting, and serious personal injury.**

1. Do not remove battery from Squid Model One pump.
2. Never dispose of batteries in fire.
3. Keep Squid Model One pump away from combustible materials.
4. Do not incinerate or heat Squid Model One pump.



5. Do not disassemble, alter, or reconstruct Squid Model One pump.
6. Batteries contain strong colorless electrolyte, which may cause permanent loss of eyesight and injury when in direct contact with eyes or skin. Immediately flush with clean water when in contact with leaked electrolyte and consult a physician.

## **WARNING!**

1. Do not immerse Squid Model One in water.
2. Do not store Squid Model One in temperatures exceeding 104°F (40°C) and in direct sunlight.
3. Li-ion batteries have a predetermined operating life even if it has never been used. Batteries remaining unused and uncharged for more than 12 months or that have a very short usage time should be replaced. Do not attempt to continue charging or discharging such batteries.
4. Do not leave the Squid Model One connected to the charger if it generates an odor and/or heat, leaks electrolyte, or causes any other abnormality.
5. Use only supplied charger to charge the battery and follow all of the safety guidelines in this manual.

## **CAUTION!**

1. Do not remove the battery from the Squid Model One pump and do not use the battery outside of the specified temperature range on the specification; otherwise, the battery might cause heat generation, damage, or deterioration of its performance.
2. Do not charge a Li-ion battery outside the range of 32°F - 104°F (0°C - 40°C).
3. Handle damaged or leaking batteries with care, personal injuries may result from mishandling. If battery is leaking, do not use or charge the device. Contact customer service.
4. Recycling may be required for your region; consult local recycling facility for more information.

## INFORMATION ON ELECTROMAGNETIC COMPATIBILITY

1. Medical Electrical Equipment needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in the Accompanying Documents.
2. Portable and Mobile RF Communications Equipment can affect Medical Electrical Equipment.

### **WARNING!**

The use of accessories, transducers and/or cables other than those specified, with the exception of those sold by the manufacturer as replacement parts for internal components, may result in increased emissions or decreased immunity of the equipment or system.

## GUIDANCE AND MANUFACTURER'S DECLARATION - EMISSIONS

The Squid Model One is intended for use in the electromagnetic environment specified below. The customer or user of the Squid Model One should ensure that it is used in such an environment.

EMISSIONS TEST		Electromagnetic Environment - Guidance
RF EMISSIONS CISPR II	<b>COMPLIANCE: GROUP 1</b>	The Squid Model One uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF EMISSIONS CISPR II	<b>COMPLIANCE: CLASS B</b>	
HARMONICS IEC 61000-3-2	<b>COMPLIANCE: CLASS A</b>	
FLICKER IEC 61000-3-3	<b>COMPLIES</b>	

The Squid Model One is suitable for use in all establishments, including domestic, and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.


### **WARNING:**

The equipment or system should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, the equipment or system should be observed to verify normal operation in the configuration in which it will be used.

## GUIDANCE AND MANUFACTURER'S DECLARATION - IMMUNITY

The Squid Model One is intended for use in the electromagnetic environment specified below. The customer or user of the Squid Model One should ensure that it is used in such an environment.

IMMUNITY TEST	IEC 60601 TEST LEVEL	COMPLIANCE LEVEL	ELECTROMAGNETIC ENVIRONMENT - GUIDANCE
ESD IEC 61000-4-2	+6kV Contact +8kV Air	+6kV Contact +8kV Air	Floors should be wood, concrete or ceramic tile. If floors are synthetic, the r/h should be at least 30%.
EFT IEC 61000-4-4	+2kV Mains +1kV I/Os	+2kV Mains +1kV I/Os	Mains power quality should be that of typical commercial or hospital environment.
SURGE IEC 61000-4-5	+1kV Differential +2kV Common	+1kV Differential +2kV Common	Mains power quality should be that of a typical commercial or hospital environment.
VOLTAGE DIPS/DROPOUTS IEC 61000-4-11	>95% Dip for 0.5 Cycle  60% Dip for 5 Cycles  30% Dip for 25 Cycles  >95% Dip for 5 Seconds	>95% Dip for 0.5 Cycle  60% Dip for 5 Cycles  30% Dip for 25 Cycles  >95% Dip for 5 Seconds	Mains power quality should be that of a typical commercial or hospital environment. If the user of the Squid Model One requires continued operation during power mains interruptions, it is recommended that the Squid Model One be powered from an uninterruptible power supply or battery.
POWER FREQUENCY 50/60Hz MAGNETIC FIELD IEC 61000-4-8	3A/m	3A/m	Power frequency magnetic fields should be that of a typical commercial or hospital environment.

IMMUNITY TEST	IEC 60601 TEST LEVEL	COMPLIANCE LEVEL	ELECTROMAGNETIC ENVIRONMENT - GUIDANCE
<p>CONDUCTED RF IEC 61000-4-6</p> <p>RADIATED RF IEC 61000-4-3</p>	<p>3 Vrms 150 kHz to 80 MHz</p> <p>3 V/m 80 MHz to 2.5 GHz</p>	<p>(V1) = 3Vrms</p> <p>(E1) = 3V/m</p>	<p>Portable and mobile communications equipment should be separated from the Squid Model One by no less than the distances calculated/listed below:</p> <p><math>D = (3.5/V1)(\text{Sqrt } P)</math> 150kHz to 80MHz</p> <p><math>D = (3.5/E1)(\text{Sqrt } P)</math> 80 to 800MHz</p> <p><math>D = (7/E1)(\text{Sqrt } P)</math> 800MHz to 2.5 GHz</p> <p>where P is the max power in watts and D is the recommended separation distance in meters.</p> <p>Field strengths from fixed transmitters, as determined by an electromagnetic site survey, should be less than the compliance levels (V1 and E1).</p>
			<p> Interference may occur in the vicinity of equipment containing a transmitter.</p>

# RECOMMENDED SEPARATIONS DISTANCES FROM THE SQUID MODEL ONE

The Squid Model One is intended for use in the electromagnetic environment in which radiated disturbances are controlled. The customer or user of the Squid Model One can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF Communications Equipment and the Squid Model One as recommended below, according to the maximum output power of the communications equipment.

MAX OUTPUT POWER (WATTS)	Separation (m) 150kHz to 80MHz	Separation (m) 80 to 800MHz	Separation (m) 800MHz to 2.5GHz
	$D=(3.5/\sqrt{I}) (\text{Sqrt } P)$	$D=(3.5/\sqrt{I}) (\text{Sqrt } P)$	$D=(7/\sqrt{I}) (\text{Sqrt } P)$
0.01	0.11667	0.11667	0.23333
0.1	0.36894	.36894	0.73785
1	1.1667	1.1667	2.3333
10	3.6894	3.6894	7.3785
100	11.667	11.667	23.333

## MANUFACTURER'S LIMITED WARRANTY

**Opening the Squid Model One pump case or attempting to self-service any part of the Squid Model One will void the warranty and may cause injury.**

### **PUMP LIMITED WARRANTY**

Portable Therapeutix warrants that the Squid Model One Pump Control Unit ("Pump") (if properly used) will be free from defects in materials and workmanship for a period of one year from the date of purchase. If the Pump, malfunctions during the warranty period, then Portable Therapeutix will at its option either repair or replace the Pump. If Portable Therapeutix elects to replace the Pump it may do so with a new or reconditioned Pump. Your original one year warranty period shall be extended by the number of days that the Pump is in the possession of Portable Therapeutix until it ships the repaired or replacement Pump back to you. This warranty and other warranties that may exist under state or federal laws is non-transferable and only available to the original purchaser.

### **WRAP AND TUBE LIMITED WARRANTY**

Portable Therapeutix warrants that the Squid Model One Wrap and tube (if properly used, including following the care and use instructions) will be free from defects in material and workmanship for a period of one year from the date of purchase. If the Wrap or tube, malfunctions during the warranty period, then Portable Therapeutix will at its option either repair or replace the Wrap or tube. If Portable Therapeutix elects to replace the Wrap or tube it may do so with a new or reconditioned Wrap or tube. Your original one year warranty period shall be extended by the number of days that the Wrap or tube is in the possession of Portable Therapeutix until it ships the repaired or replacement Wrap or tube back to you. This warranty and other warranties that may exist under state or federal laws is non-transferable and only available to the original purchaser.

### **GEL PACK LIMITED WARRANTY**

Portable Therapeutix warrants that the Gel Pack (if properly used, including following the care and use instructions) will be free from defects in material and workmanship for a period of one year from the date of purchase. If the Gel Pack, malfunctions during the warranty period, then Portable Therapeutix will at its option either repair or replace the Gel Pack. If Portable Therapeutix elects to replace the Gel Pack it may do so with a new or reconditioned Gel Pack. Your original one year warranty period shall be extended by the number of days that the Gel Pack is in the possession of Portable Therapeutix until it ships the repaired or replacement Gel Pack back to you. This warranty and other warranties that may exist under state or federal laws is non-transferable and only available to the original purchaser. THE GEL PACK WILL HAVE A NATURAL EVAPORATION OVER TIME.

## **EXTENT OF LIMITED WARRANTY**

This limited warranty of the Pump does not cover damages due to external causes, including without limitation misuse, alteration or repair by a non-authorized person; accident or use not in accordance with the product instructions. The limited warranty of the Wrap, Gel Pack, and Tube does not cover damages due to external causes, including without limitation, misuse; alteration or repair by a non-authorized person; accident; cutting or puncturing of the Wrap, Gel Pack, Tube, or the bladder in the Wrap; or use not in accordance with the product instructions as well as failure to follow the care and cleaning instructions in the manual. The limited warranty of the Gel Pack does not cover the natural evaporation of the gel over time.

## **HOW TO OBTAIN WARRANTY SERVICE**

To obtain warranty service you should contact our service department at 281-823-9600, or you may email our service department at support@portabletherapeutix.com.

If Portable Therapeutix authorizes the return of the Pump; Wrap; Connector Tube; or Gel Pack for warranty, you will be given a Return Authorization Number. This number must be on your shipping package or the unit or it will not be accepted.

You are responsible for shipping the unit to Portable Therapeutix and you are responsible for any damages or loss incurred during shipping, other than any damage that was the result of your warranty claim.

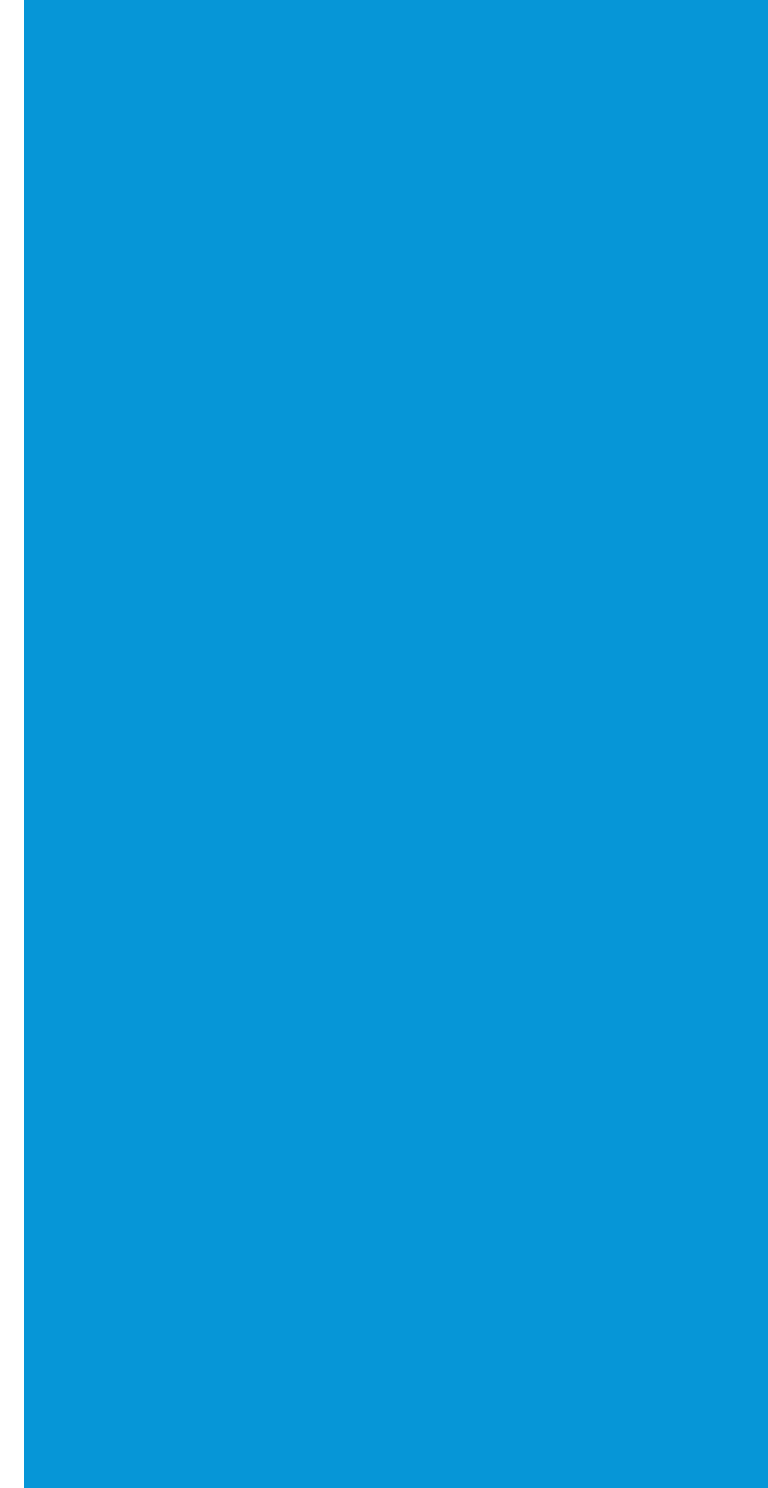
## **WARRANTY LIMITATIONS AND EXCLUSIONS**

THESE WARRANTIES REPLACE ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. PORTABLE THERAPEUTIX MAKES NO EXPRESS WARRANTIES BEYOND THOSE STATED HERE. PORTABLE THERAPEUTIX DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF YOU RESIDE IN A JURISDICTION THAT DOES NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES THEN THIS LIMITATION MAY NOT APPLY TO YOU.

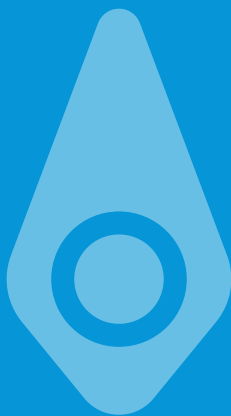
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GO DEEP

## SUPPORT

For all servicing, questions or complaints - in the U.S. visit Squid  
Support at: [www.squidcompression.com/support](http://www.squidcompression.com/support)  
or call 281-823-9600



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