

MUELLER RECOVERYCARE®

REVIVE™

Do more than recover, REVIVE.™

M2 CONSOLE

Model 760R User Manual



Mueller®

Dist. by:

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1. Important Safety Information

Read all instructions before using the Revive™ M2 system for the first time.



Warning:

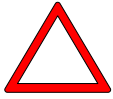
- This system is intended for use by people in good health. This system is not recommended for people who have heart problems, or vascular problems, have a condition requiring the use of any medical console, or have any condition that may affect their normal well-being.
- If you are, or may be, pregnant, consult with your physician before use.
- Do not use this system over insensitive or numb areas, or in the presence of poor circulation. Do not use if you have been diagnosed with blood clots, deep vein thrombosis or phlebitis. This system should not be used over swollen or inflamed areas or skin eruptions. Do not use in the presence of unexplained calf pain.
- Consult your physician prior to use.

Safety Warnings and Precautions



Warning:

- **Explosion Hazard:** Do not use the Revive™ M2 system in the presence of flammable gases, including flammable anesthetics.
- **Electric Shock Hazard:** Do not allow liquid to enter any part of the Revive™ M2 Console. Do not immerse. To clean, follow instructions in Chapter 8 - Maintenance and Storage.
- **Electric Shock Hazard:** To prevent electric shock, do not open the console. Do not attempt to service the console yourself. All maintenance tasks should be performed only by Mueller trained and authorized service personnel. Service by unauthorized personnel shall void any warranty.
- Stop using the system if there is any change in Revive™ M2 system performance.
- Do not modify any part of the Revive™ M2 system.
- The equipment should not be used adjacent to or stacked with other equipment. In case adjacent or stacked use is necessary, the equipment should be observed to verify normal operation in the configuration in which it is used.
- The Revive™ M2 system includes small parts that could cause choking in children. Keep away from children and pets.

**Caution:**









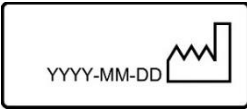




- Do not operate the Revive™ M2 system during transit.
- Do not store or transport the Revive™ M2 system beyond the specified temperature, humidity, and atmospheric pressure range (see Chapter 8 - Maintenance and Storage).
- Do not use the Revive™ M2 system beyond the specified temperature range: 10 to 30°C (50 to 86°F).
- Do not use the Revive™ M2 system beyond the specified humidity range: 30%rH–75%rH, non-condensing.
- Use the Revive™ M2 system up to 3000m above mean sea level.
- To prevent any damage to the Revive™ M2 system, keep it away from dust, lint, and dirt. Keep away from sources of heat or moisture.
- Do not inflate the garment without wearing it over the intended body area. Doing so can damage the garment.
- To prevent any damage to equipment, use only accessories, detachable parts, and materials described in this User Manual.
- While in use, place the console on horizontal firm surface only. Do not place the console on bed, blanket, mattress, pillow, or soft furniture. Do not cover the console.
- The equipment is to be installed and put into service according to the EMC information provided in Chapter 10 – Distributor in the USA
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www.muellersportsmed.com
- EMC Manufacturer Declarations.
- Portable and mobile RF communication equipment might affect the equipment.




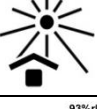
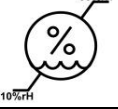
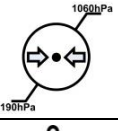
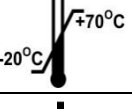




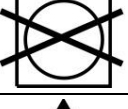


2. Revive™ M2 Specifications and Dimensions

<u>Model: 760R</u> , appliance coupler, transportable, rated: 100-240 VAC, 50-60 Hz	
Type of protection against electric shock	Class II
Degree of protection against electric shock	Type BF
Degree of protection against ingress of water	IP21
Degree of safety of application in the presence of a flammable anesthetic mixture with air or with oxygen or nitrous oxide	Equipment not suitable for use in the presence of a flammable anesthetic mixture with air or with oxygen or nitrous oxide
Mode of operation	Continuous
Treatment duration	15, 30, 45, 60 minutes, or continuous
Environmental Conditions	Normal: 10–30°C, 30–75% rH, 70–106 kPa
Pressure Range	20 mmHg to 100 mmHg
Size	21 cm × 20 cm × 9 cm (8.2" × 7.8" × 3.5")
Weight	1.0 kg (2.2 lbs.)

3. Labels

The following labels and symbols appear on the console, garments and/or packaging.

Label	Description	Location
IP21	Degree of protection against ingress of water	On Console base
	Read instructions before use	On console base
	Read instructions before use (for China only)	On console base
	Class III Equipment (only in the EU per IEC-60335-2-32) Equipment relying on limitation of voltage to extra-low-voltage (ELV) values as provision for basic protection and with no provision for fault protection.	On console base (only in the EU)
	Read instructions before use	On garment label
	Level of protection type BF applied part	On console base
	Double insulation	On DC power adapter
	Direct current	On console base
	Manufacturer's name and address	On garment label and on console base
	Date of Manufacture	On console base
	Unique Device Identification (UDI)	On console base and package, and garment bag and package
	Separate collection for waste electrical and electronic equipment	On console base
	In accordance with Directive 2014/35/EU electrical equipment designed for use within certain voltage limits, and Directive 2014/30/EU electromagnetic compatibility	On console
	Serial number of the Console	On console base

Label	Description	Location
	Fragile, handle with care	On package
	Keep dry	On package and console base
	This side Up	On package
	Keep away from sunlight	On package
	Transportation & storage humidity limitation	On package
	Transportation & storage atmospheric pressure limitation	On package
	Transportation & storage temperature limitation	On package
	"ON" (power)	On power switch
	"OFF" (power)	On power switch
	Do not wash	On garment tag
	Do not dry clean	On garment tag
	Do not tumble dry	On garment tag
	Do not bleach	On garment tag
	Do not iron	On garment tag

4. Indications for Use

Revive™ M2 is indicated for the temporary relief of minor muscle aches and pains, and for temporary increase in circulation to the treated areas in people who are in good health.

Revive™ M2 simulates kneading and stroking of tissues by using an inflatable garment.

5. About Revive™ M2

Revive™ M2 is intended for use by people in good health.

Revive™ M2 simulates the kneading and stroking action of manual massage by use of an inflatable garment that fills and deflates, applying a directional compress-and-release treatment. This soothing action temporarily increases circulation in the areas to which the garment is applied, and temporarily relieves muscle aches and pain caused by fatigue or overexertion.

The Revive™ M2 Treatment Cycle

The Revive™ M2 Console takes air from the room environment and sends it through hoses into individual air chambers inside the Revive™ M2 garment(s).

Then the console deflates the air from the garments, there is a brief pause, and the cycle repeats.

The air chambers inside the Revive™ M2 garment are specially designed to overlap each other for fluent and comfortable massage without gaps. The Revive™ M2 Console can operate one or two garments simultaneously.

The treatment applied by Revive™ M2 starts at the base of the limb, progresses towards the torso, and then ends (see Figure 1).

You can adjust the pressure level for your comfort.

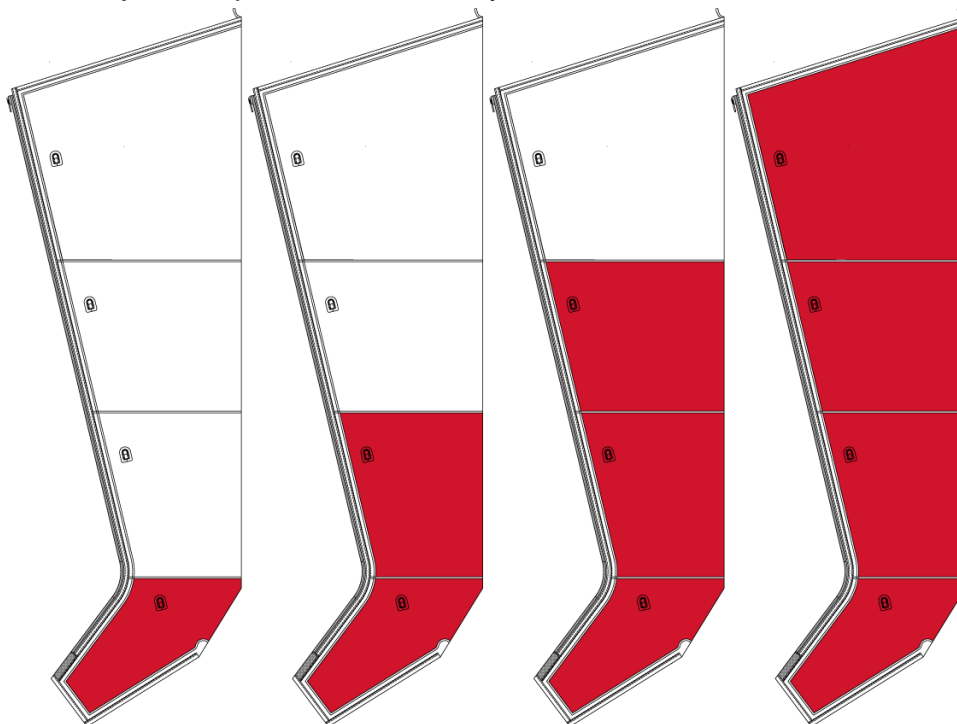


Figure 1 - The Treatment Sequence

6. Components of the Revive™ M2 System

The Revive™ M2 Console

(See Figure 2)

The console takes air from the room environment and sends it to individual air chambers in the garment(s).

The Revive™ M2 Console is powered by either a DC power adapter or by a rechargeable battery inside the console. The battery can be charged while the console is plugged in and operating.



Note:

- Turn **On** the **Power Switch** to enable charging the battery.
- Turn **Off** the **Power Switch** to conserve battery power when not charging or not using the console.

The following table illustrates the battery power capacity displayed by the battery status indicators.

Battery Status	Displayed Icon	Available Power
	Constant bars	100%
	Constant bars	75%
	Constant bars	50%
	Constant bar	25%
	Blinking bar	Almost empty
	No bars	Empty

Blocker Plug

(See Figure 3)

If you use only one garment, insert this plug into the unused air outlet on the front of the Revive™ M2 Console, to seal it and prevent air from escaping.

DC Power Adapter

(See Figure 4)

The DC Power Adapter receives 100-240 VAC, 50-60 Hz AC power and supplies 12 VDC 3A to the console.



Caution:

- For indoor use only.
- Use only the DC power adapter provided with the console.

Battery Pack

(See Figure 5)

- The console can operate on battery power for up to eight (8) hours when the battery is fully charged.
- Battery may be charged during normal operation of the console.
- Battery charging time is up to 8 hours.
- Expected service life of battery is two (2) years.
- Replacing the battery is advisable after two years.



Figure 2 - Revive™ M2 Console



Figure 3 - Blocker Plug



Figure 4 - DC Power Adapter



Figure 5 - Battery Pack

Treatment Garments

(See Figure 6 to Figure 9)

A variety of garments are available. Leg garments are available in several sizes. Revive™ Core is adjustable.



Figure 6 – Revive™ Full Leg Boots



Figure 7 – Revive™ Arm Sleeve



Figure 8 - Revive™ Calf Boots



Figure 9 – Revive™ Core

7. How to Operate the Revive™ M2 System

Following is a description of the Revive™ M2 Console operating panel and controls (see Figure 10). Read this section before operating the console for the first time.

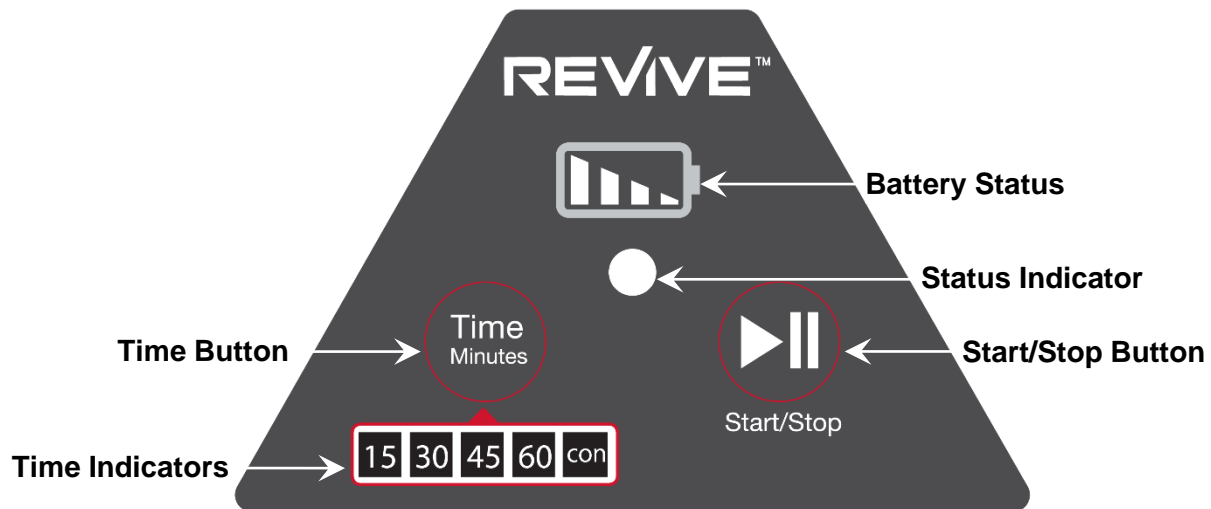






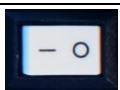



Figure 10 - The Revive™ M2 Console Operating Panel

The console Controls

Table 1 - Console Controls

Control	Function
 	<p>Time button: Used to set treatment time (15, 30, 45, 60 min, or con)</p> <p>Time Indicators: Indication of set time (15, 30, 45, 60 min, or con)</p>
	<p>Start/Stop button: Used to start or stop treatment</p>
	<p>Battery Status Indicators: displays battery power level</p>
	<p>Status Indicator:</p> <ul style="list-style-type: none"> • White - power is On. Treatment has not started • Green - treatment in progress • Orange - indicates malfunction (see Chapter 9 - Troubleshooting)
	<p>Pressure Knob: Used to set treatment pressure (20-100 mmHg) After setting the pressure, the Pressure Knob is locked</p>
	<p>Power Switch: Used to turn On/Off the console (located at back of console, on the left side)</p>
	<p>DC Adapter Socket: Used for connecting DC power adapter (located at back of console, on the right side)</p>

Step 1: Set up the Revive™ M2 Console

**Caution:**

When the system has been stored in extreme temperature conditions of $<-20^{\circ}\text{C}$ (-4°F) or $>70^{\circ}\text{C}$ (158°F) between uses, wait for two (2) hours before using the system.

- Place the console on a flat stable surface from where it will not slip or fall. Make sure the front of the console is at least six inches from the edge of the surface.
- Position the console so that you can easily reach the controls during treatment.
- Select the plug suitable for your country and insert it onto the pins on the DC power adapter backside (see figure below).



To replace the plug, press and hold the **Open** button under the plug while pulling out the plug (see figures below).



- Insert the DC power adapter cable into the DC adapter socket on the console, and then insert the DC adapter into an appropriate 100-240 Volt wall outlet.

**Note:**

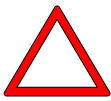
The console is "multi-voltage" and can be used for travel. An appropriate socket adapter must be used in countries with incompatible wall outlets.

Step 2: Prepare for Treatment

- Always wear light clothing underneath the garment, for hygienic reasons, to avoid irritation and to absorb perspiration.
- Do not wear the garment directly over bare skin.
- Make sure clothing is unrestrictive, absorbent, and free of zippers, buttons, or other items that can rub and chafe under the treatment.
- We recommend wearing cotton clothes, such as sweatpants or leggings along with cotton socks underneath the Revive™ Full Leg Boot, Revive™ Calf Boot and Revive™ Core, and a long sleeve T-shirt under the Revive™ Arm Sleeve.
- Remove any jewelry or wristwatches, etc. that would be covered by the garment.

Step 3: Put on the Garment

Caution:



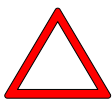
- Do not inflate the garment without wearing it over the intended body area ("on empty") or with open zippers. Doing so can damage the garment.
- Do not apply excessive force to the garment straps. Do not use the straps for any purpose other than intended by the manufacturer.
Use of excessive force and/or misuse shall void the manufacturer's warranty.

Revive™ Full Leg Boot and Revive™ Calf Boot Garments

- a. Zip the garment closed at least part of the way up before inserting your leg.
- b. Insert your foot into the garment (see Figure 11). Pull the top of the garment towards your torso, extending the garment to its maximum length.
- c. Close the zipper all the way up.
- d. Repeat for other leg, if desired.

Revive™ Full Leg Boot and Revive™ Calf Boot garments are designed to fit on either the right or left leg.

Caution:



- Do not stand or walk while wearing the garment!
Put on the garment while in a seated position and remove it before rising from the treatment position.



Figure 11 - Putting on the Revive™ Full Leg Boot or Revive™ Calf Boot

Revive™ Arm Sleeve

- a. Insert the arm into the garment.
- b. Pull the garment over the shoulder to cover it.
- c. Wrap the fastening strap around the body, under the untreated arm. Fasten the strap and adjust the buckle for a comfortable fit.

The Revive™ Arm Sleeve is designed to fit on either the right or the left arm.

**Caution:**

Do not stand or walk while wearing the garment!
Put on the garment while in a seated position and remove it before rising from the treatment position.

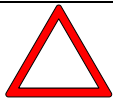
Revive™ Core

This garment massages the core areas (hips, buttocks, lower back).

Use Revive™ Core in a reclined or supine position (lying face up).

Pillows may be used under the knees and/or ankles for comfort.

- a. Put on the Revive™ Core garment while you are in a seated, half seated, or lying position on a bed, wide couch, or in a recliner chair.
- b. The Revive™ Core garment has three zipper fasteners on each side. Fasten the garment on each side using the zipper that provides you with a comfortable fit. The garment should not fit tightly.
- c. If the garment is too small, zip in an expander between the zippers on each side of the Revive™ Core garment.
Note that the expanders are “sided” left and right – the right side will only fit into the right leg, and the left side only into the left leg.
- d. Ensure the zippers on the Revive™ Core are closed completely before turning on the Revive™ Core console.
- e. If you wish to increase contact of the massage chambers with your upper gluteal/lower back area, use the shoulder straps. Pass the shoulder straps over your shoulders and fasten them in the front.
- f. Select a massage pressure of up to 50 mmHg for use with the Revive™ Core garment.

**Caution:**

- Do not use pressure over 50 mmHg with the Revive™ Core garment.
- Do not use the Revive™ Core garment during pregnancy.
- Revive™ Core is not intended for use in a standing position. Use it in a reclined or supine (lying face up) position.
- Do not stand or walk while wearing the garment!
Put on the garment while in a seated position and remove it before rising from the treatment position.

All Garments

Make sure the garment does not fit too tightly by inserting three fingers into the garment when it is zipped closed before inflation.

If the garment is too tight, you need a larger size. Contact Mueller Sports Medicine, Inc.

Make sure the garment is zipped completely closed before turning on the Power Switch, and leave it closed for the duration of the treatment.

At the end of the treatment, the garment is deflated within a short time, allowing it to be removed easily. You should be able to slip the garment off and pull it on again for each use without completely unzipping the garment.

**Note:**

Use only Revive™ garments with the Revive™ M2 Console.

Step 4: Connect the Garment Hose Bundle to the console



Note:

Hold the console handle with one hand while connecting or disconnecting the hose bundle with your other hand.

- a. Securely insert the garment hose bundle connectors, with the logo facing up, into the air socket on the console (see Figure 12).
- b. Make sure the air hoses are not bent, kinked, or pinched.



Figure 12 - Connecting the Garment Hose Bundle to the console



Note:

When only one Arm Sleeve, Full Leg Boot, or Calf Boot garment is used, plug the unused outlet using the Blocker Plug (see Figure 13) to prevent air from escaping. Otherwise, the console stops working and the alarm beeps.



Figure 13 - Inserting the Blocker Plug to Block the Unused Air Outlet for Single Garment Use

Step 5: Set Treatment Pressure and Time

- a. Press and hold the **Pressure Knob** while setting the pressure to the desired pressure. Once setting the pressure, the **Pressure Knob** is locked.
- b. Press the **Time** button to set treatment time.



Note:

- The minimum pressure setting is 20 mmHg.
The maximum pressure setting is 100 mmHg.
- The minimum treatment time setting is 15 minutes.
The maximum treatment time setting is 60 minutes.
- Setting the treatment time to **con** continues the treatment until the **Start/Stop** button is pressed or the **Power Switch** is turned off.

Guidelines for Selecting Pressure

Changing the pressure level alters the treatment intensity by increasing the amount of air inflating each air chamber.

Lower pressure setting applies lighter treatment, and higher-pressure setting applies more intense treatment (see Table 2 as a guide for pressure selection).

If the treatment is too intense, decrease the pressure.

Table 2 - Pressure Selection for Arm Sleeve, Full Leg Boot and Calf Boot

Treatment Intensity	Pressure Setting (mmHg)
Light	20–35
Medium	40–65
Intense	70–100

Step 6: Select Hold Time

At the end of each inflation cycle, the console holds the air pressure for a few seconds before releasing the air, pausing, and then continuing to the next cycle (the **Hold Time**).

You can set the duration of the **Hold Time** for your comfort and to alter the treatment pace (see Table 3).

Table 3 - Setting Hold Time

Hold Time	Action	Alarm Beeps
Short	Press and hold the Time button for 3 seconds.	One beep
Medium	Release and press and hold the Time button for 3 more seconds.	Two beeps
Long	Release and press and hold the Time button for 3 more seconds.	Three beeps

Step 7: Start the Treatment

Now you are ready to operate the console and begin your treatment.

**Note:**

Hold the console handle with one hand while turning **On/Off** the **Power Switch** with your other hand.

- a. Ensure that the hose is securely attached to the console.
- b. Verify that the **Power Switch** at the back of the console is in the **Off** position.
- c. Connect the DC power adapter cable into the DC adapter socket (located at back of console, on the right side).
- d. Insert the DC adapter into an appropriate 100-240 Volt wall outlet.
- e. Get into a comfortable seated, reclining, or lying position from where you can easily reach the console controls.
- f. Put on the garment, following the directions in Step 3: Put on the Garment.
- g. Turn **On** the **Power Switch**.
- h. Press the **Start/Stop** button.

Treatment begins.

**Note:**

At the start of treatment, the garment may take several inflation cycles to fill completely, as the garment must be filled from a completely empty state.

- i. Wait for a few cycles to become accustomed to the treatment sensations. Note that the first inflation cycle may take a longer time to fill, especially if you are using two garments.

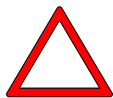
You can adjust the time, pressure, and hold time during treatment.

Using Revive™ M2 for a relaxing and invigorating treatment before you exercise, increases circulation and can help to get you into the workout more quickly.

Suggested treatment time is 15 to 30 minutes before your workout.

Alternatively, use Revive™ M2 for a relaxing treatment at the end of the day, or after exercise, to relax and soothe tired, aching muscles.

Generally, we recommend using Revive™ M2 30–45 minutes after workout or in the evening after finishing your daily activities.

**Caution:**

The treatment sensation should be pleasant and comfortable.

If you experience pain or discomfort during or after the treatment or if there is onset of bruising or irritation during or after the treatment, discontinue use and consult your physician.

Step 8: End, Stop, Restart, Pause, or Resume the Treatment

When the treatment time is complete, the treatment stops.

- To stop the treatment at any time, press the **Start/Stop** button.
- To pause the treatment without resetting the time, press and hold the **Start/Stop** button for 3 seconds.
- To restart treatment, press the **Start/Stop** button again (see Table 4).

Table 4 - Stop, Restart, Pause, or Resume the Treatment

Treatment Operation	Action
Stop	Press the Start/Stop button.
Restart from the beginning of the selected time	Press the Start/Stop button again.
Pause	Press the Start/Stop button for 3 seconds.
Resume without resetting the time	Press the Start/Stop button again.

- At the end of the treatment, turn **Off** the **Power Switch**.
- Wait up to 30 seconds to allow the garment to deflate before you remove it.

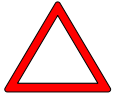


Note:

When immediate garment deflation is necessary, disconnect the garment hose bundle from the console to immediately deflate the air pressure in the garment.

8. Maintenance and Storage

Cleaning the console

**Caution:**

Disconnect the console from electrical outlet before cleaning.
Let it dry completely before reconnecting it to the electrical outlet.

- Wipe clean using a **slightly damp cloth**.
- Do not allow any moisture or liquids to enter the console!

Cleaning the Garments

- a. Never submerge the garments in liquid. They are cleanable by surface wiping only.
- b. Gently wipe the external and internal surfaces of the garment using a soft cloth, warm water not exceeding 100°F (40°C), and mild detergent.
 - ◆ Do not submerge in liquid!
 - ◆ Do not allow liquid to enter the air inlets of the garment!
- c. To remove any detergent residue, wipe with clear water, again taking care that water does not enter the air inlets of the garment.
- d. Wipe dry using a soft towel only.
- e. When dry, the external and internal surfaces of the garment may be wiped with 70% alcohol or with appropriate alcohol-based fabric-safe disinfectant according to the manufacturer's recommendations.

When using alcohol-based cleaners, work in a well-ventilated area.
- f. Allow the garment to air dry completely before use.

Wear gloves when cleaning garments and wash hands after cleaning.

As with any fabric garment, some fading of the printing and fabric may occur over time. This does not affect garment performance. Store away from direct sunlight to prevent fading, avoid scrubbing the printed areas, and do not spill excessive amounts of alcohol directly on the garment.

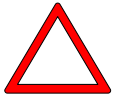
Contact your local distributor if you have questions about cleaning the console or the garments.

**Caution:**

- Do not hand or machine wash. Surface wipe only!
- Do not allow liquid to get into the air inlets.
- Do not use bleach.
- Do not dry clean.
- Do not wring, iron, tumble, or force heat dry.

Storage

- a. Keep the console, hoses and garments away from direct sunlight.
- b. Store in a dry, shaded place (see caution below).
- c. Do not twist or fold the garment hoses.
- d. Store the DC power adapter lightly wrapped and secured.
- e. Avoid folding the garments during storage.

**Caution:**

The console can be transported or stored for short periods of time within:

- Temperature range of -4°F to 158°F (-20°C to 70°C)
- Humidity range of 10%rH to 93%rH non-condensing
- Atmospheric pressure range of 190hPa to 1060hPa.

Allow the console to reach reasonable room temperature 50°F to 86°F (10°C to 30°C) before operating.

When the system has been stored in extreme temperature conditions of -20°C (-4°F) or 70°C (158°F) between uses, wait for two (2) hours before using the system.

Travel

- Make sure to obtain the proper power adapter plug for the location you visit.
- Follow all storage guidelines when packing the console or garment.

Disposal

If the console, hose bundle and/or garment(s) is to be disposed of, follow the local country regulations taking environmental factors into consideration.

Replacing the Battery

**Note:**

Use only batteries supplied by Mego Afek AC Ltd.

To replace the battery:

- a. Open the battery compartment cover, located at the bottom side of the console, under the carrying handle (see figures below).



- b. Disconnect the battery and remove it from the battery compartment (see figures below).



- c. Connect the new battery, and then insert it into the battery compartment.
- d. Close the battery compartment cover.

9. Troubleshooting



Note:

Before continuing, inspect all accessories for any defects.

Table 5 - Troubleshooting Guide

Symptom	Possible Cause	Corrective Action
The console is not working.	No electricity	Inspect the electrical wall outlet.
	DC power adapter	Verify that the DC power adapter cable is connected to the DC adapter socket on the console, and the DC power adapter is connected to the 100-240 Volt wall outlet.
	DC power adapter cable	Examine the cable for any defects.
The console starts working and stops immediately.	The air cannot move through the garment hose.	Examine hoses for kinks, twists and folds.
One garment inflates but the second one does not.	The second garment does not receive air.	Examine its hoses for kinks, twists and folds.
The console stops working, the Status Indicator turns On in orange, and the alarm beeps.	Hose is not connected properly to garment or console, or prong plug is not inserted into unused air outlet.	Examine and fasten all air connections. When treating only one limb, always plug the unused air outlet with the prong plug provided with the console. If all air connections are OK and problem persists, contact Mueller Sports Medicine, Inc.
The Status Indicator remains ON in orange	Malfunction	Contact Mueller Sports Medicine, Inc.
The console works at a very low pressure, regardless of the pressure set by the user.	Defective garment	Replace garment and check again.
	Internal malfunction	Contact Mueller Sports Medicine, Inc.
An irregular noise.	Console transferring vibrations to a surface	Make sure the console is standing evenly on all four of its bumpers.
	Internal malfunction	Contact Mueller Sports Medicine, Inc.

10. Warranty and Contact Information

Manufacturer Address

Mego Afek AC Ltd.
Kibbutz Afek, 3004200
Israel

Warranty

- Mego Afek AC Ltd. warrants the Revive™ M2 Console and Mueller garments to be free of defects in materials and workmanship. Contact Mueller Sports Medicine, Inc. with all warranty claims.
- This warranty applies as follows:
 - ◆ Console: for a period of twenty-four (24) months from date of purchase.
 - ◆ Garments: for a period of twelve (12) months from date of purchase.
- This warranty does not include, or cover malfunctions caused by unreasonable use, noncompliance with user and maintenance instructions, or damage caused by unauthorized or unqualified repairs.

Revive™ M2 Service Life

When used and maintained as instructed, the expected service life of the Revive™ M2 Console is five (5) years.

Contact Mueller Sports Medicine, Inc. with all service claims.

Importer to the USA

Mueller Sports Medicine, Inc.
One Quench Drive
Prairie du Sac, WI 53578

Distributor in the USA

Mueller Sports Medicine, Inc.
One Quench Drive
Prairie du Sac, WI 53578
+1-608-643-8530, +1-800-356-9522
www.muellersportsmed.com

11. EMC Manufacturer Declarations

Electromagnetic Compatibility (EMC) Statement for Home Healthcare Environment

The Revive™ M2 system has been evaluated to international standard IEC 60601-1-2 "General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests".

The Medical Electrical Equipment needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided here within the accompanying documents.

Portable and mobile RF communication can affect the Medical Electrical Equipment. See below recommended separation distances between portable and mobile RF communication equipment and the Revive™ M2 system.

Wireless communications equipment such as wireless home network devices, mobile phones, cordless telephones and their base stations, walkie-talkies can affect this equipment and should be kept at least a distance $d = 3.3$ m away from the system.

Rated Maximum Output Power of Transmitter (W)	Separation Distance* according to Frequency of Transmitter (m)
0.01	0.23
0.1	0.73
1	2.3
10	7.3
100	23

***Note:** The distance calculated from 800 MHz to 2.5 GHz



Caution:

- Do not use a mobile phone or other devices that emit electromagnetic fields, near the unit. This may result in incorrect operation of the unit.
- This system should not be used adjacent to or stacked with other equipment and that if adjacent or stacked use is necessary, this machine should be observed to verify normal operation in the configuration in which it will be used.

Model 760R - Electromagnetic Emissions – Manufacturer’s Declaration

The **Model 760R** is intended for use in the electromagnetic environment specified below. The customer or the user of the **Model 760R** should assure that it is used in such an environment.

Emissions Test	Compliance	Electromagnetic Environment - Guidance
RF emissions CISPR 11	Group 1	The Model 760R 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. The Model 760R is suitable for use in all establishments, including domestic establishments and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.
RF emissions CISPR 11	Class B	
Harmonic emissions IEC 61000-3-2	Complies	
Voltage fluctuations/flicker emissions IEC 61000-3-3	Complies	

Model 760R - Electromagnetic Immunity – Manufacturer’s Declaration


The **Model 760R** is intended for use in the electromagnetic environment specified below. The customer or the user of the **Model 760R** should assure that it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment - Guidance
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	Complies	
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines	Complies	Mains power quality should be that of a typical domestic or hospital environment.
Surge IEC 61000-4-5	±1 kV line to line	Complies	Mains power quality should be that of a typical domestic or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	>95% dip in UT for 0.5 cycle 60% dip in UT for 5 cycles 30% dip in UT for 25 cycles >95% dip in UT for 5 cycles	Complies	Mains power quality should be that of a typical domestic or hospital environment.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	Complies	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical domestic or hospital environment.

NOTE: U_T is the a.c. mains voltage prior to application of the test level.

Model 760R - Electromagnetic Immunity - Manufacturer's Declaration

The **Model 760R** is intended for use in the electromagnetic environment specified below. The customer or the user of the **Model 760R** should assure that it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment - Guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms	Portable and mobile RF communications equipment should be used no closer to any part of the Model 760R , including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d = 1.2\sqrt{P}$ $d = 1.2\sqrt{P}$ 80 MHz to 800 MHz $d = 2.3\sqrt{P}$ 800 MHz to 2.5 GHz Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey ^a , should be less than the compliance level in each frequency range ^b . Interference may occur in the vicinity of equipment marked with the following symbol: 
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	

NOTE 1: At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the **Model 760R** is used exceeds the applicable RF compliance level above, the **Model 760R** should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the **Model 760R**.

b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

Recommended Separation Distances between Portable and Mobile RF Communication Equipment and the Model 760R

The **Model 760R** is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the **Model 760R** can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the **Model 760R** as recommended below, according to the maximum output power of the communications equipment.

Rated Maximum Output Power of Transmitter W	Separation Distance according to Frequency of Transmitter m		
	150 kHz to 80 MHz $d = 1.2\sqrt{P}$	80 MHz to 800 MHz $d = 1.2\sqrt{P}$	800 MHz to 2.5 GHz $d = 2.3\sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance *d* in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.