

**BEFORE USING THE DEVICE, PLEASE READ THE FOLLOWING INSTRUCTIONS COMPLETELY AND CAREFULLY.  
CORRECT APPLICATION IS VITAL TO THE PROPER FUNCTIONING OF THE DEVICE.**

**INDICATIONS FOR USE:** For the localized external application of cold therapy. For use with VQ OrthoCare approved cold therapy pads.

**CONTRAINDICATIONS:** Cryotherapy should not be used by persons with Raynaud's disease or any other peripheral vascular disorder, cold hypersensitivity or compromised circulation.

**WARNINGS AND PRECAUTIONS:**

1. This product is to be used under the supervision of a licensed healthcare professional. Extreme care must be taken when using any cryotherapy. Any cold products may cause frostbite if improperly used. A licensed healthcare professional must select the appropriate therapeutic temperature, frequency and duration to meet the patient's individual medical needs. The checking of temperature and skin conditions must occur on a routine basis. Caution must be taken during prolonged use. Use by children, diabetics, incapacitated patients, those with decreased skin sensitivity or poor circulation should be monitored routinely. If such monitoring is to occur outside the presence of the licensed healthcare professional, he or she must ensure that the patient or patient caretaker understands how such monitoring is to be conducted.
2. Use of this device below a 40°F (4°C) temperature reading is not recommended.
3. If redness develops, or a change in skin sensitivity occurs, immediately discontinue use and contact your physician.
4. The VQ CoolCare cold therapy units are nonsterile and are not intended to be sterilized. Do not attempt to sterilize the units by any means.
5. DANGER – Risk of explosion if used in the presence of flammable anesthetics.
6. To reduce the risk of electrical shock, do not disassemble unit. Return to manufacturer per warranty.
7. Only use power supply provided with unit. Failure to follow instructions could damage the pump, power supply or both.
8. Although the VQ CoolCare units have been tested and found to comply with IEC 601-1-2:1994 as pertains to medical devices, they may be susceptible to magnetic or electromagnetic interference. If this occurs, see the troubleshooting section for recommendations to correct the situation.

**APPLICATION INFORMATION:**

1. Add ice to the level indicated inside the unit, then add cold tap water to the same level. Note: Failure to add ice to the level indicated inside the unit will cause a premature rise in pad temperature during use.
2. Apply the site-specific cold therapy pad over the area to be treated. DO NOT APPLY DIRECTLY TO THE SKIN. Reference the instructions for use supplied with the specific cold therapy pads.
3. Adjust temperature control on the hand console starting at the blue dot (allow 10 minutes for temperature to stabilize). Then, adjust to temperature prescribed by licensed healthcare professional. Note: Temperature will be indicated on the thermometer.
  - a. The temperature display is located on the side of the controller. It is a standard thermometer with readings in 2° increments from 32° to 104°F (0° to 40°C). The red line indicates the temperature of the water flow.
4. When ice has melted, unplug the power supply from the electrical outlet. TO AVOID DANGER OF ELECTRICAL SHOCK, DO NOT UNPLUG THE POWER SUPPLY WITH WET HANDS. Drain and refill with ice and water as instructed above.

**CLEANING AND STORAGE:** Unplug the power supply from the electrical outlet. TO AVOID DANGER OF ELECTRICAL SHOCK, DO NOT UNPLUG THE POWER SUPPLY WITH WET HANDS. Disconnect pad from hose. Drain cooler and wipe dry. Drain pad by holding so that the hose is hanging downward. Press in the buttons at the end of the hose and allow all water to drain out of the pad.

**NOMINAL OPERATING ENVIRONMENT**

Ambient Temperature: 10°C - 40°C  
Relative Humidity: 30% - 75%  
Atmosphere Pressure: 700 h Pa - 1060 h Pa

**POWER SUPPLY**

P/N 13-4882-0-00000

**SAFETY CLASSIFICATIONS**

- Mode of Operation – Continuous Operation
- External Electrical Power Source – Class II Equipment
- Degree of Protection Against Electric Shock – Type B Equipment
- Ordinary Equipment – IPX0 – Not protected against water ingress.
- With respect to electric shock, fire, and mechanical hazards, complies with UL 60601-1.

**SYMBOL DESCRIPTION**



Class II Equipment



Type B Equipment



Read Manual

**WARRANTY:** VQ OrthoCare will repair or replace all or part of the cold therapy unit and its accessories for material or workmanship defects for a period of 90 days from the date of sale.

**NOTICE:** EVERY EFFORT HAS BEEN MADE TO OBTAIN THE MAXIMUM COMPATIBILITY OF FUNCTION, STRENGTH, DURABILITY AND COMFORT IN THIS DEVICE, WHICH IS ONLY ONE ELEMENT IN THE OVERALL TREATMENT PROGRAM ADMINISTERED BY A MEDICAL PROFESSIONAL. THERE IS NO GUARANTEE THAT INJURY WILL BE PREVENTED THROUGH USE OF THIS PRODUCT.

**CAUTION:** FEDERAL LAW (U.S.A.) RESTRICTS THIS DEVICE TO SALE BY, OR ON THE ORDER OF, A LICENSED HEALTH CARE PROFESSIONAL.



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Patient-Centered Solutions  
**VQ OrthoCare™**



## VQ Coolcare™ Cold Therapy Unit

### TROUBLESHOOTING PROBLEM

### TRY THIS...

- |  |   |
|--|---|
| Pump will not turn on                    | <ul style="list-style-type: none"> <li>• Check all electrical connections and make sure the wall plug has power (see instructions).</li> </ul>  |
| Pad will not cool down                   | <ul style="list-style-type: none"> <li>• Make sure trapped air is out of pad once power is applied, adjust temperature control knob counterclockwise to coldest position for 30 seconds, then adjust knob to desired temperature range.</li> <li>• Check control knob setting. Readjust to a cooler setting if necessary.</li> <li>• Make sure cooler unit is filled with ice and water (see instructions).</li> <li>• Check all hose connections and make sure cooling pad is wrapped properly to allow water to flow.</li> <li>• Check filter cap under pump assembly, drain unit, clean filter and reinstall.</li> </ul> |
| Pad temperature will not rise            | <ul style="list-style-type: none"> <li>• Check control knob setting. Readjust to warmer setting if necessary.</li> </ul>  |
| Pad pressure is low                      | <ul style="list-style-type: none"> <li>• Check water level. Add water if necessary.</li> <li>• Make sure trapped air is out of pad (see instructions).</li> </ul>   |
| No water flow                            | <ul style="list-style-type: none"> <li>• Check water level. Add water if necessary.</li> <li>• Check and clean filter cap located under pump assembly.</li> <li>• Pad and hose are wrapped too tightly or are kinked. Unwrap and rewrap with machine running.</li> <li>• Make sure connection between hose and pad is properly seated.</li> <li>• Unit is not primed. Turn the unit ON and set the control dial to the snowflake. Rotate the control dial from snowflake to the blue dot several times. Slowly turn control dial toward the snowflake until the desired temperature is achieved.</li> </ul>                 |
| Water leak at connector                  | <ul style="list-style-type: none"> <li>• Connector between hose and pad is not seated properly. Stop machine, disconnect. Reconnect, listening for snap, and restart the unit.</li> </ul>   |
| Water leak at pad                        | <ul style="list-style-type: none"> <li>• Pad is faulty. Replace.</li> </ul>   |
| Magnetic or electromagnetic interference | <ul style="list-style-type: none"> <li>• Reorient or relocate the device. Increase the separation between the equipment. Plug the power supply into an outlet on a different circuit than the one to which the other device(s) are connected.</li> </ul>  |

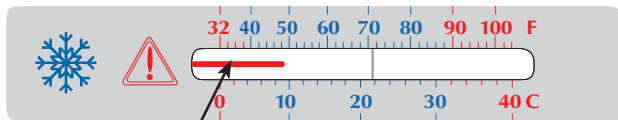
**For assistance, call VQ OrthoCare's patient care department, 800.452.7993**



**WARNING:** Before using the VQ CoolCare™ cold therapy unit, read the enclosed instructions carefully and completely.

### INSTRUCTIONS

1. Add ice to fill line.
2. Add cold tap water to fill line.
3. Connect hose to cold therapy pad. To ensure a proper seal, listen for a click on each connector.
4. To turn unit on, plug power supply into wall outlet and insert cord into connection on front of the unit.
5. Adjust temperature control on the hand console starting at the blue dot (allow 10 minutes for temperature to stabilize) and adjust to temperature range prescribed by the physician. (Temperature is indicated by the red line on the thermometer. See illustration below.)
6. Snowflake symbol on hand console indicates maximum cold.
7. When ice has melted, refill with ice and water (see enclosed instructions). Make sure device is unplugged during refilling process.
8. Once unit is refilled, check temperature and adjust if necessary. Resume therapy.



Read Red Line

## THIS SIDE UP

# SETUP AND OPERATION

### WARNINGS

1. Before using the VQ CoolCare cold therapy unit, read instructions supplied with the unit.
2. Care should be taken during prolonged use with patients who are children, diabetics, unconscious or incapacitated and those with poor circulation.
3. A licensed healthcare practitioner must select treatment temperature parameters. Patients need to follow those specific treatment guidelines.
4. Cold therapy pads and dressings are for single patient use. Care should be taken during application of the cooling pads to avoid compromising the local circulation and the flow of water through the pad.
5. If numbness occurs, discontinue use and consult your prescribing physician immediately.
6. **DANGER** — Risk of explosion if used in the presence of flammable anesthetics.

### TROUBLESHOOTING

#### PROBLEM

Pad will not cool down

Water leak at connector

Condensation on hoses

#### TRY THIS ...

Turn control knob counterclockwise to coldest setting for 30 seconds to ensure priming, then turn the temperature control knob to desired range.


Make sure pad connectors are pushed in completely.

Condensation is normal on the tubing insulation and control console, especially in humid climates. Wipe with towel as needed.

**NOTE:** Only use power supply provided with the unit. Failure to do this could damage the pump, the power supply or both.



### CAUTIONS

1. Temperature must be routinely checked to ensure appropriate treatment.
2. Special care should be used with prolonged cold therapy sessions. This includes frequently checking skin conditions and the temperature reading on the hand control.
3. Use of this device below a 40°F (4°C) temperature reading is not recommended.
4.  Patients vary in sensitivity to cold. Routinely monitor patient and temperature reading to ensure that appropriate individualized treatment guidelines are met.
5. If redness of the skin develops, or a change in skin sensitivity occurs, discontinue the use of this product immediately and contact a physician. Be aware of any nerve irritation and/or muscular reaction that is associated with that skin sensitivity and irritation, and discontinue therapy until cause is determined.
6. The prescribing medical professional must ensure that the patient understands how to conduct such monitoring if the patient shall be using the unit outside of the presence of the prescribing medical professional, at the advice of that medical professional.
7. To reduce the risk of electrical shock, do not disassemble unit. Refer servicing to qualified personnel.

