

Power Play

Muscle Massager

Manufactured for:
FIG, LLC
817 E. 4th Street
Tulsa, OK 74120, USA

Customer Service
Toll Free:
855-PWR-PLAY
(855-797-7529)
Email:
info@powerplay.us

Document IFU-PPRT-01
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Technical Data Specifications:

MAIN UNIT:
Dimensions: 6.9 x 4.3 x 1.8 inches (1.75 x 1.1 x 4.6 centimeters)
Weight: Approximately 1.1 lbs. (0.50 kg)
Mode of Operation: Cyclic
Source of Power: 6 Volt, 2.0 Ah NiMH rechargeable battery

CAUTION: Charge batteries using only the power supply provided by FIG, LLC.

POWER:
Output: 10 Vdc, 1.1 A
Mode of Operation: Continuous

SYSTEM OPERATING ENVIRONMENT:
Temperature: +10°C (50°F) to +40°C (104°F)
Humidity: 30 to 75%

FACTORY SETTINGS:
Pressure (selectable): 30 mmHg, 40 mmHg, 50 mmHg, 60 mmHg, 70 mmHg
Treatment Time for each output 20 minutes

TOLERANCES:
Pressure ±5%

This device is not protected against the ingress of water (ordinary protection, IPX0).

Equipment is not suitable for use in the presence of flammable anesthetic mixture with air or with oxygen or nitrous oxide.

The rechargeable batteries supplied in this unit are not field replaceable. Return unit to FIG, LLC if batteries require replacement.

NOTE: Recharge batteries every 60 days when unit is not in use in order to maintain battery integrity. Batteries can be recharged approximately 500 times between replacements.

Battery charge (from depleted state) takes approximately 4 hours and is terminated automatically by the control circuitry.

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Disposal

- Pump control unit contains rechargeable batteries. Do not discard the pump unit in regular waste. Bring the unit to your local recycle center or return to FIG, LLC.

The use of accessories, power supplies and cables other than those specified, with the exception of components sold by the manufacturer of the PowerPlay PPRT-01 as replacement parts, may result in increased emissions or decreased immunity of the PowerPlay PPRT-01.

Class II medical electrical equipment.

This unit is an electromechanical device that includes printed circuit boards and rechargeable batteries. Do not discard in landfill. Consult local, state, federal and country requirements for proper disposal instructions.

This symbol designates the degree of protection against electrical shock as being a type BF applied part.

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Intended Uses

The PowerPlay is an intermittent compression device used with inflatable wraps to simulate stroking and kneading of the tissue by the hands. This massaging action aids in the temporary relief of minor muscular aches and pains and increases circulation in the treated area.

Contraindications

The PowerPlay PPRT-01 must not be used to treat the following conditions:

- Persons with suspected, active or untreated: deep vein thrombosis, ischemic vascular disease, severe arteriosclerosis, pulmonary edema, congestive heart failure thrombophlebitis or an active infection;
- On a leg where wraps would interfere with the following conditions: vein ligation, gangrene, dermatitis, open wounds, a recent skin graft, massive edema or extreme deformity of the leg;
- On persons with neuropathy;
- On extremities that are insensitive to pain;
- Where increased venous or lymphatic return is undesirable;

Default Settings

Treatment time (each port) 20 minutes
Internal Safety Valve Relief Pressure 100 mmHg

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Warnings and Precautions

WARNING: Do not open or remove covers. No user serviceable parts inside. Direct all service needs to FIG, LLC, Inc.

WARNING: If pulsations, numbness or throbbing occur, the wrap may be wrapped too tightly. Loosen immediately.

WARNING: Stop using device if swelling occurs; consult physician.

WARNING: Ensure the pump control unit is turned off and unplugged from the wall outlet prior to and while cleaning or disinfecting.

WARNING: Equipment should not be used in the presence of any FLAMMABLE ANESTHETIC MIXTURE WITH AIR OR WITH OXYGEN OR NITROUS OXIDE.

CAUTION: Do not immerse in any liquid for any reason.

CAUTION: Do not operate device in a wet environment.

CAUTION: Do not subject the unit to extreme shocks, such as dropping the pump unit.

CAUTION: Contains no user serviceable parts.

CAUTION: Do not place any items in an autoclave.

Environmental Considerations

- Do not operate pump below 0°C (32°F).
- Do not expose to heat exceeding 65°C (149°F).
- Do not operate the pump if it has been stored in freezing conditions. Allow wraps to warm to room temperature if exposed to temperatures below 5°C (41°F).
- Do not unroll or attach the wraps in below freezing temperatures (0°C / 32°F) as damage to the air bladders can occur, making them unable to hold pressure.
- Store in a dry location between +10°C (50°F) and +40°C (104°F), 30% -75% relative humidity.
- Limit Transport Temperatures to between -20°C (-4°F) and +60°C (140°F)
- Normal Operating Conditions Temperature Range +10°C (50°F) to +40°C (104°F) Relative Humidity 30% to 75%

Purpose of this Device

The purpose of the PowerPlay PPRT-01, when used with PowerPlay site wraps, is to provide relief from minor muscle pain while temporarily improving blood circulation to the area.

This is accomplished by an electronically controlled intermittent compression pump unit delivering air to the wraps that, in turn, compress the tissue in the treated area by simulating stroking and kneading by the hands.

The pump unit will inflate the wraps to a specified pressure of 30 mmHg, 40 mmHg, 50 mmHg, 60 mmHg or 70 mmHg (set by the user), and once the pressure is reached it will hold for 10 seconds before releasing. Cycles are repeated for 20 minutes or until the unit is turned off. Internal rechargeable batteries allow the system to be completely portable, thus preventing interruptions in treatment.

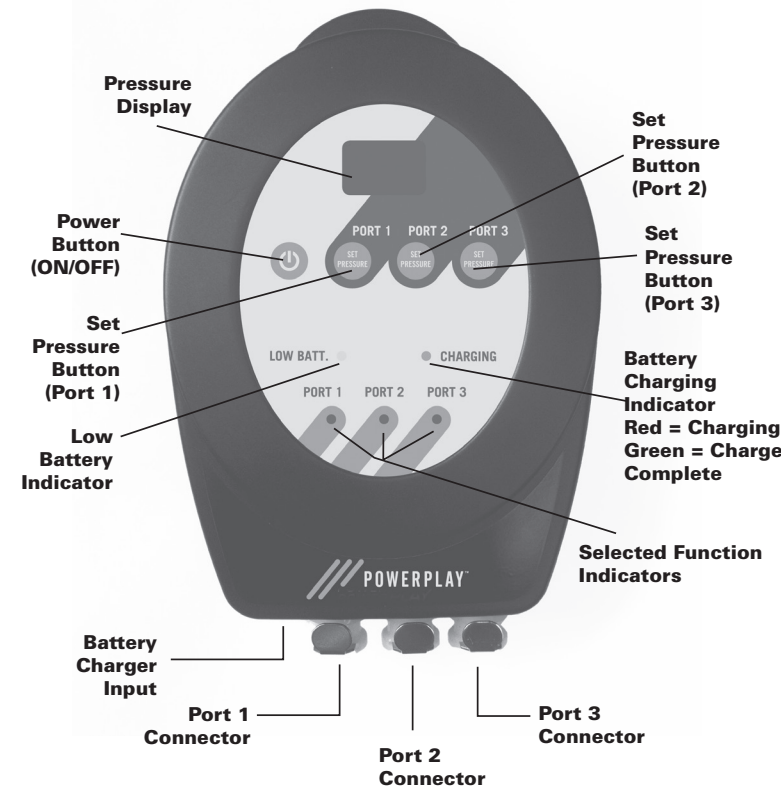
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Set-Up Instructions

- Remove items from packaging and plastic bags.
- Inspect all components for damage. If any parts appear damaged or are inoperable, contact PowerPlay Customer Service (front cover).
- Before using, connect the supplied power adapter plug into the jack on the pump and plug into the main wall socket. The LED CHARGE indicator will turn RED during the charge cycle and GREEN when the charge is complete. The unit may be used while connected to the charger, but should be disconnected from the charger when the charge is complete.
- Uncoil the tubing being careful to remove any kinks from tubing due to compacting in shipping.
- Apply wraps according to the instructions in the wrap packaging, route tubing in a manner to prevent a tripping hazard and to avoid kinking.
- Connect wrap air tubes(s) to pump air outlets.

WARNING: If pulsations, numbness or throbbing occur, the wrap is wrapped too tightly. Remove the wrap and re-wrap for comfort. If pain or swelling occurs, discontinue use and notify your medical professional immediately.

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ITEMS INCLUDED BUT NOT SHOWN:

- Wall Plug Type Power Adaptor (DC Connector mates with control unit charger)

VARIOUS EXTREMITY WRAPS MAY BE INCLUDED BUT NOT SHOWN

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Operating Instructions

- After following the set-up instructions, ensure that the wraps are snugly and securely fastened as indicated in the instructions for the wrap.
- To turn the system on, press the Power button. If the unit will not power on, connect the wall supply to charge the battery. Unit may be used while battery is being recharged.
- The display will show “On.” Press the port button associated with the port where wraps are connected. The active port will be indicated by the illumination of the corresponding function indicators near the bottom of the control panel. Note that an activated port begins with a preset pressure of 50 mmHg.
- Press the Port/Set Pressure button of any active port again to set pressure to 30 mmHg, press for 40 mmHg, then to 50 mmHg, 60 mmHg, and again for 70 mmHg. Pressing a fifth time will turn that port OFF.
- Note: Adjustments can be made at any time that the pump is at “rest” (i.e. before cycling begins or during “rest” periods between wrap inflations). When a wrap is being inflated, a slow flashing of the corresponding “port indicator” indicates the active port. If adjustments are made during a “rest” period, the unit will resume cycling at the end of that rest period. The number of wraps selected determines the “rest” time. In a single port mode (Port 1, Port 2 OR Port 3 only modes), the rest period is about 21 seconds from the time that the pressure is reached and the pump is turned off until the time that the wrap is re-pressurized. In a dual port mode (any 2 ports active), the rest period is about 12 seconds from the time the pressure is reached and the pump is turned off until the time the next wrap is pressurized. In the triple port mode, (Port 1 AND Port 2 AND Port 3), the rest period is about 12 seconds from the time the pressure is reached and the pump is turned off until the time the next wrap is pressurized. This timing ensures that each wrap is being deflated for approximately 30 seconds, thus allowing ample rest time between compressions on the affected area. It should be noted that the inflated wraps exhaust during the rest period and the display will show “—” during that time.

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User Maintenance

NOTICE: Contains no serviceable parts. Contact PowerPlay Customer Service.

- Inspect the unit and all components for any damage that may have occurred during shipping or general handling prior to each use (for example, frayed or cut cord, split air tubes, cracked plastic housing, damaged LED display, torn wrap, etc.).
- Do not attempt to connect the wall supply if any damage is noticed.
- Avoid subjecting the unit to shocks, such as dropping the pump unit.
- Notify FIG, LLC for immediate replacement of any damaged items.
- Do not handle the wraps with any sharp objects. If a bladder is punctured, do not attempt to repair the wrap. Replacement wraps are available for purchase at www.powerplay.us or by calling 855-979-7529.
- Roll wrap for storage & transportation; avoid folding or creasing the bladder.
- Battery is not replaceable—return unit to FIG, LLC if service is needed.
- Contact PowerPlay Customer Service to receive replacement instructions for any damaged items. This may include returning the damaged part to FIG, LLC for service.

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- Each individual port will automatically time out after 20 minutes. When this happens the port will “beep” and flash “to” on the display, as well as flash the indicator light on that port for 1.5 seconds. That port will then shut off. If multiple ports are activated, the above procedure will cycle for each port. When the last port is cycled through and is off, the alarm will sound for 15 seconds and the entire unit will shut off. Note that if a port is shut off and then reactivated, the time is reset to 20 minutes.
- To turn off the pump unit, depress and hold the power button for 1-2 seconds.
- To disconnect the air tube from pump unit, depress the metal thumb tab on the connector while pulling the tube away.

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Alarms

“HI” – (KINKED HOSE)

If pressure limit is reached in less than 2 seconds after pump is energized, cycling stops, the alarm sounds and display reads “HI” for a period of 1.5 seconds. The unit then proceeds into the next output phase of that cycle. This will repeat until a THIRD “HI” alarm condition, at which point the alarm sounds, display flashes “HI” and all functions are inhibited for that port (except I/O). In addition, the LED indicator coinciding with whichever wrap was energized when the condition occurred flashes rapidly.

“LO” – (LEAK)

When a wrap is activated, if pressure limit is NOT reached within 5 minutes after pump is energized, cycling stops, the alarm sounds and display reads “LO” for a period of 1.5 seconds. The unit then proceeds into the next output phase of that cycle. This will repeat until a SECOND “LO” alarm condition, at which point the alarm sounds, display flashes “LO” and all functions are inhibited (except I/O). In addition, the LED indicator coinciding with whichever wrap was energized when the condition occurred flashes.

“BL” – (BATTERY CRITICAL)

If battery voltage drops to a critical level, cycling stops, audible alarm sounds, and display flashes “BL.” In addition, the LOW BATTERY LED indicator will be illuminated.

To reset an alarm condition, the unit must be turned OFF. If not manually turned OFF within 2 minutes of an alarm condition occurring, unit automatically turns itself OFF. See trouble shooting section for resolving these alarms.

If you encounter any problems that cannot be resolved by the preceding information, contact PowerPlay Customer Service at 855-PWR-PLAY (855-797-7529).

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Low Battery Indicator

In order to ensure that proper pressure is always reached during operation, regardless of the charge state of the battery, there are THREE stages of the LOW BATTERY INDICATOR as follows:

STAGE 1 – The yellow LOW BATTERY INDICATOR illuminates when the pump is NOT RUNNING, turns OFF when the pump starts and illuminates again when the pump is in the REST period. ***This is the FIRST indication that a recharge is needed at the earliest opportunity;***

STAGE 2 – The yellow LOW BATTERY INDICATOR will REMAIN ILLUMINATED during both the pumping time and the rest period. ***At this stage the battery charger MUST be connected immediately to avoid any interruption in the treatment session;***

STAGE 3 – If the battery voltage drops to a critical level at any time, the yellow LED will illuminate AND the display will show “BL”. In addition, the audible alarm will sound and cycling of the pump will be inhibited. ***The unit will then automatically shut off after two minutes.***

A fully charged battery will operate a single PowerPlay wrap for approximately 4-6 hours. Less operating time between charges should be expected when using larger and/or multiple wraps.

Using the AC Adapter / Battery Charger

Insert the supplied power plug into the adapter jack on the pump unit and connect the power adapter to the main voltage wall socket. The battery charge LED will illuminate RED while charging battery and turn GREEN when charge is complete. It will not be illuminated if the charger is not connected. For extended operation periods, or to charge the battery during treatment sessions, the AC adapter can be connected while the device is in use.

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Troubleshooting

PROBLEM	SOLUTION
Air tube outlet connector will not fit in port	Make sure the metal thumb latch is pressed until it clicks, such that the two ends of the connectors will fit together.
Unit will not turn on	Battery charge is too low. Connect unit to a wall supply for a fresh charge and turn on.
Cannot feel pressure treatment area(s)	<ul style="list-style-type: none"> Wrap is not wrapped tightly enough Air tubes are not connected Bladder is damaged and will not hold air. Replacement wraps are available by contacting customer service. Tube is damaged Ensure that the wrap is connected to the proper outlet corresponding to the selected port.
Pressure on wrap is too high	<ul style="list-style-type: none"> Verify settings are correctly set to desired pressure. Decrease pressure setting. Loosen wrap.
HI alarm (High pressure detected or set pressure detected too soon)	Remove any kinks from line. Be sure the tubes are not tangled or constricted. Start pump again by turning unit OFF and back to ON.
LO alarm (Set pressure not detected within allotted time period)	Ensure tubing is properly connected, wraps are attached to be snug, and there are no air leaks. Start pump again by turning unit OFF and back to ON.
BL alarm (Pump will not operate)	Battery charge is low. Connect charger.
BL alarm still occurs after battery charging (Battery pack has expired.)	Contact PowerPlay at 855-PWR-PLAY (855-797-7529)

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Cleaning and Disinfecting

NOTE: Inspect the PowerPlay unit and follow the cleaning and disinfecting procedures prior to each use.

WARNING: Device must be turned off and disconnected from the power mains (wall outlet) prior to and while cleaning or disinfecting.

CAUTION: Do not place any items in an autoclave.

CAUTION: Do not immerse pump unit in any liquid for any reason.

- Clean the outer surface of the pump unit using a soft cloth, moistened with soapy water or 70% isopropyl alcohol.
- Do not use bleach on any item.
- Do not use abrasive or volatile cleaners – display or control panel could become scratched and hard to read.
- Do not place wrap in dryer, as the bladder could melt.
- Hand wash exterior of wrap using a soft cloth moistened with soapy water or 70% isopropyl alcohol and let air dry.

Storage

- Store in a dry location between +10°C (50°F) and +40°C (104°F), 30%-75% relative humidity.
- Do not expose to heat exceeding 65°C (149°F).
- Do not store items in direct sunlight.
- Roll wrap and do not fold, as folding will decrease the life of your product.
- Connect unit to charger for recharge no less than 2 hours every 60 days to preserve integrity of internal batteries.

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