

OPERATING INSTRUCTIONS AND OWNER'S MANUAL



BATTERY OPERATED SHOWER SYSTEM Fully Portable Instant Hot Water/Shower

Model #

XB13

XW18

READ INSTRUCTIONS CAREFULLY: Read and follow all instructions. Place instructions in a safe place for future reference. Do not allow anyone who has not read these instructions to assemble, light, adjust or operate the shower.



XB13

BSS

Battery Operated Shower System



XW18

⚠ WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance
- WHAT TO DO IF YOU SMELL GAS
 - Do not try to light appliance
 - Extinguish any open flame
 - Shut off gas to appliance

WARNING:

⚠ YOUR SAFETY IS IMPORTANT, SO PLEASE READ THESE INSTRUCTIONS BEFORE YOU OPERATING.

⚠ THIS MANUAL CONTAINS IMPORTANT INFORMATION ABOUT THE ASSEMBLY, OPERATION AND MAINTENANCE OF THIS PORTABLE SHOWER.

⚠ SAFETY PRECAUTIONS ARE ESSENTIAL WHEN ANY MECHANICAL OR PROPANE FUELED EQUIPMENT IS INVOLVED. THESE PRECAUTIONS ARE NECESSARY WHEN USING, STORING AND SERVICING. FOLLOWING THESE SAFETY ALERTS WILL REDUCE THE POSSIBILITIES OF PERSONAL INJURY OR PROPERTY DAMAGE.

⚠ PROPANE CYLINDERS MUST BE DISCONNECTED WHEN THE SHOWER IS NOT BEING USED OR WHEN STORING THE SHOWER.

THE STATE OF CALIFORNIA REQUIRES THE FOLLOWING WARNINGS:

⚠ WARNING: COMBUSTION BY-PRODUCTS PRODUCED WHEN USING THIS PRODUCT CONTAIN A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS (OR OTHER REPRODUCTIVE HARM).

⚠ WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

⚠ DANGER



CARBON MONOXIDE HAZARD

- This appliance can produce carbon monoxide which has no odor.
- Using it in an enclosed space can kill you.
- Never use this appliance in an enclosed space such as a camper, tent, car or home.

⚠ DANGER

EXPLOSION-FIRE HAZARD

- Never store propane near high heat, open flames, pilot lights, direct sunlight, or other ignition sources or where temperatures exceed 120° F (49°C)
- Propane is heavier than air and can accumulate in low places if you smell gas, leave the area immediately
- During operation this product can be a source of ignition. Never use this heater in spaces that contain or may contain volatile or airborne combustibles, or products such as gasoline, solvents, paint thinners, dust particles or unknown chemicals

⚠ DANGER



• Water temperature over 125°F(52°C) can cause severe burns instantly or death from scalds.

• Children, disabled and elderly are at highest risk of being scalded.

• See instruction manual before setting temperature at water heater.

• Feel water before bathing or showering.

⚠ WARNING:

- NOT FOR HOME OR RECREATIONAL VEHICLE USE.
- THE WATER HEATER IS FOR POINT OF USE, FOR TEMPORARY WATER HEATING AND NOT FOR CONNECTION TO A PERMANENT INLET WATER CONNECTION OR FOR CONNECTION TO A WATER DISTRIBUTION SYSTEM TO SUPPLY MULTIPLE OUTLETS.
- DO NOT OPERATE HEATER WHERE FLAMMABLE LIQUIDS OR VAPORS MAY BE PRESENT.
- USE THE PRESET REGULATOR THAT IS INSTALLED. DO NOT ATTEMPT TO ADJUST.
- NEVER INSTALL OR REMOVE PROPANE TANK WHILE HEATER IS OPERATING, NEAR FLAME, PILOT LIGHTS, OTHER IGNITION SOURCES OR WHILE HEATER IS HOT TO THE TOUCH

⚠ PORTABLE HOT WATER/SHOWER:

- THIS APPLIANCE IS NOT INTENDED FOR THE SUPPLY OF DRINKING WATER.
- THIS APPLIANCE IS INTENDED FOR THE SUPPLY OF HEATED WATER FOR THE PURPOSE OF WASHING AND CLEANING ONLY.
- CHECK AND CONFIRM SAFE WATER TEMPERATURE BEFORE USING THIS APPLIANCE. WATER FROM THIS APPLIANCE MAY BE VERY HOT.

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Clearance to Combustibles:

Model:	TOP & FRONT	Sides	Rear
XB13	48"	12"	12"
XW18	48"	12"	12"

SPECIFICATIONS

CAUTION: Certified for use only with Liquid Propane LP-gas cylinders of the U.S. Department of Transportation (DOT) or Transport Canada, CAN/CSA B339.

Model:	XB13 (F235300)	XW18 (F235325)
Rating: BTU	10,000 -12,000	10,000 -17,000
Battery	6(D cell batteries) Not included	2.3A/HR Sealed Lead Acid Internal Battery
Run Time (Full Charge)	30 minutes	40 minutes
Fuel Source	Propane	Propane
Fuel Supply Pressure (to regulator):	Max. Bottle Pressure	Max. Bottle Pressure
Gas Supply Pressure (Regulator out):	11" WC	11" WC
Electrical Input		115V, 60 Hz, 1Ø, 2A Min. Operating Voltage:100V
		230 Watts (W)
High Temperature Control:	125 (F)	125 (F)
Temperature Rise	35 (F)	42 (F)
Ignition	Piezo Spark	Piezo Spark



DIMENSIONS

Model:	Length(in)	Width(in)	Height(in)	Weight(LBS)
XB13	12 1/2"	7 1/2"	12"	14 lbs.
XW18	19 1/4" (Faucet to Handle)	7 1/2"	12"	15 lbs.

UNPACKING and ASSEMBLING

1. Remove heater from carton.
2. Remove all protective material which may have been applied to the heater for shipment.
3. Check the appliance for possible shipping damage and straighten out all hoses to remove any kinks or twists.
4. Install handle assembly by screwing them into place.
5. Attach the supplied regulator by rotating the t-wing nut in a "clockwise" direction carefully not to over tighten.
6. Attach the LP cylinder to the regulator by rotating in a "clockwise" direction. Only use LP cylinders with proper fuel type approved for the appliance must be used. Check for gas leaks with soapy water.

DO NOT USE A FLAME TO CHECK FOR LEAKS.



OPERATING PRECAUTIONS

Propane is heavier than air. If propane leaks from a connection or fitting, it sinks to the floor, collecting there with the surrounding air, forming a potentially explosive mixture. During set up check all connections and fittings for leaks using soapy water. Never use flame. Bubbles indicate a leak. Check that the connection is not cross threaded and that it is tight. Perform another leak check. If there is still a leak, remove the cylinder and contact BaseCamp direct for service or repair.

- Use for water heating only. Never alter in anyway or use with any device or part not expressly approved by BaseCamp.
- This appliance is designed to be used with a source water temperature of 60 F or below
- The maximum temperature rise from the appliances is 35° F to the shower head and 42° F to the tap from the source water temperature.
- For safety the appliance is designed to shut off the burner when the water temperature from either of the outlets reaches 125° F
- XB13 will operate up to 75 minutes between battery changes
- The average run time for the XW18 from a fully charged battery is 20 to 30 minutes before it will require recharging.
- The XW18 can be operated while connected to AC or DC, however the battery will only receive charge when pump is not operating. When the pump is off the battery will receive charge.
- During operation ensure that all air inlets and exhaust (front,sides and back) are kept free from obstructions and closure.



SAFETY FEATURES

This appliance is equipped with the following safety features:

- Over Temperature Sensor – the appliance will not allow the burner to remain in operation once the outlet water temperature reaches 125°F.
- Water Flow Sensor – water must be flowing through the system to allow the burner to ignite. In the case that the water supply is restricted or ceases, the burner will be extinguished and will not relight.
- Tilt Switch – in the event that the appliance is moved during operation or is being operated on an unstable or non-solid surface the appliance will shut down and must be switched off until a suitable surface is located.

CONTROL PANEL

TEMPERATURE CONTROL KNOB



TEMPERATURE CONTROL KNOB



OPERATING SHOWER INSTRUCTIONS

1. MODEL (XB13) Make sure to insert 4 D cell batteries in the pump power pack and 2 D cell batteries in under side of battery compartment. (Fig.1) Attach pump hose with quick connect fitting to the back inlet hose connection.(Fig.2)

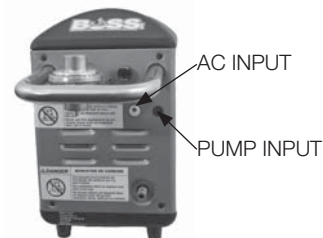


Fig. 1



Fig. 2

Model (XW18) Have the heater fully charged or AC input plugged in also have the pump plugged in properly.



- Attach the shower hose using the Quick Connect Fitting. Model XB13 attaches to inlet connection located on the front side of shower. (Fig. 3)
Model XW18 attaches to the faucet. (Fig. 3)



Fig. 2



Fig. 3

- Submerge the pump in a suitable reservoir of water. Maintain pump fully submerged in water as the pump is being used as pump motor can be damaged if not.
DO NOT use water direct from rivers or lakes. Sediments from these bodies of waters can damage pump and the appliance.
DO NOT use in ocean in which salt water can damage the pump and appliance.

WARNING: there are possible health effects from microbes that might be present in these bodies of waters rivers, lakes and oceans.

- Screw propane clockwise into shower regulator then depress the power button, the electronic ignition should be heard igniting the burner. The XB13 model press the start button on the pump power pack.
- Take care to measure the temperature of the water from the shower head, the temperature can be adjusted by turning the temperature control knob until the desired level is reached.

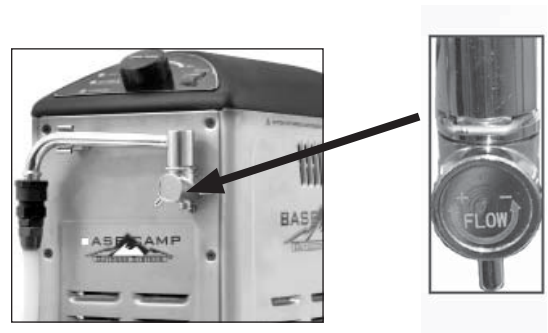
IMPORTANT – Water remaining in the heat exchanger while the flow is stopped may become hot. When the flow is resumed the user must check the temperature output to ensure that it is suitable and not too hot.

OPERATING TAP INSTRUCTIONS (Model XW18 Only)

- Swing the tap away from its storage position and locate towards the side of the appliance and locate a basin or bucket beneath and locate the water flow to the central position.



- The water temperature can be adjusted by moving the flow valve between "Min & Max" as this will slow or increase the water flow resulting in an increase or decrease in the outlet temperature



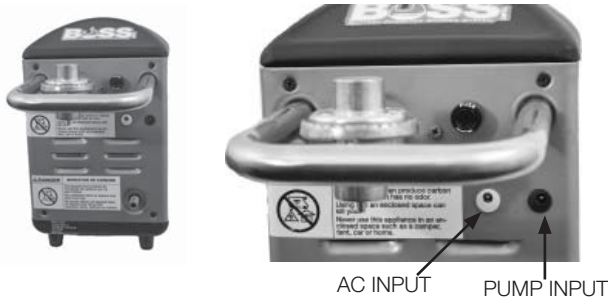
APPLIANCE POWER & CHARGING (Model XW18)

- The appliance is fitted with a 12V 2.5A/hr battery pack and can be recharged with the AC adaptors /supplied.

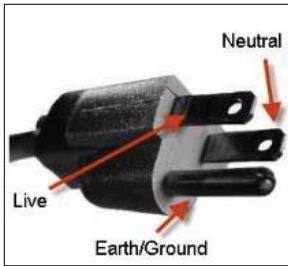


- Check the "Battery Indicator" that sufficient power is available, if not connect to the AC adaptor.

3. Connect to the power inlet socket at the rear of the appliance and the battery Indicator will start to flash confirming that the battery is now charging



4. AC: Connect the three (3) pin plug to a suitable outlet then connect to the appliance & switch on the AC outlet.



- DO NOT USE – AC to DC converters or modify the adaptors supplied with the appliance.
- Charge time from either power source is 4 hours, 50% battery capacity can be reached after 2 hours. However, to maintain battery life & condition it is recommended that the unit is allowed to charge for the full 4 hours.
- IMPORTANT – If the appliance is not being used or is stored it must be recharged every three months to guarantee the battery life expectancy. Failure to do so may result in battery failure.

MAINTENANCE

WARNING: To prevent personal injury unplug the appliance from any electrical outlets.

STORING

1. Press the "Power" button & turn the appliance off.
2. Disconnect all hoses and hold vertically allowing all excess water to drain from them. With the shower head check that the flow regulation switch is in the "ON" position.
3. Return the tap to its locked position if being used.
4. Unscrew the LP cylinder from the appliance
5. Unscrew the drain plug which is located on the underside towards the pump inlet connection then tip the appliance towards the back and to one side to drain excess water from the heat exchanger via the water inlet.

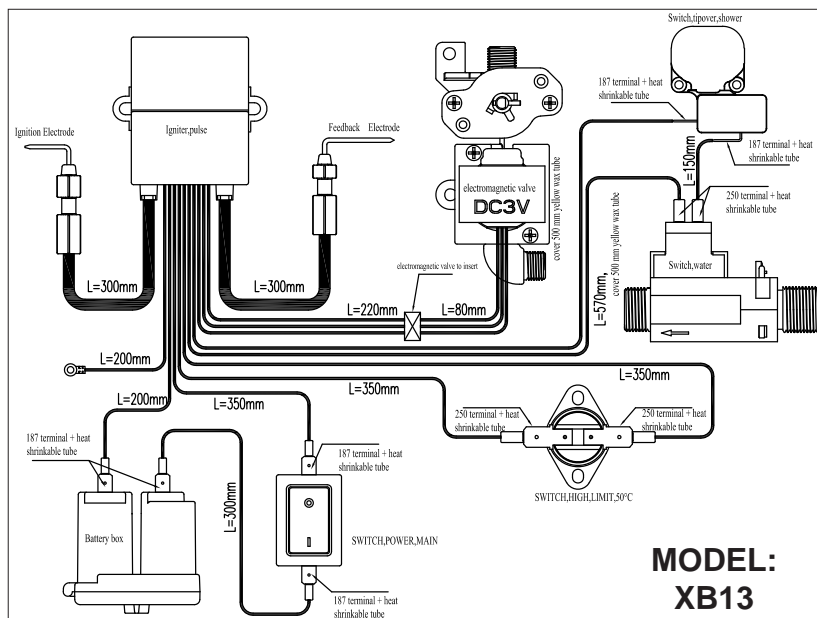


Using warm soapy water with a mild detergent wipe down all surfaces and areas of the appliance. DO NOT submerge the appliance in a sink or bowl. DO NOT use abrasive cleaners or bleach. DO NOT run soapy water through the heat exchanger.

WIRING DIAGRAM

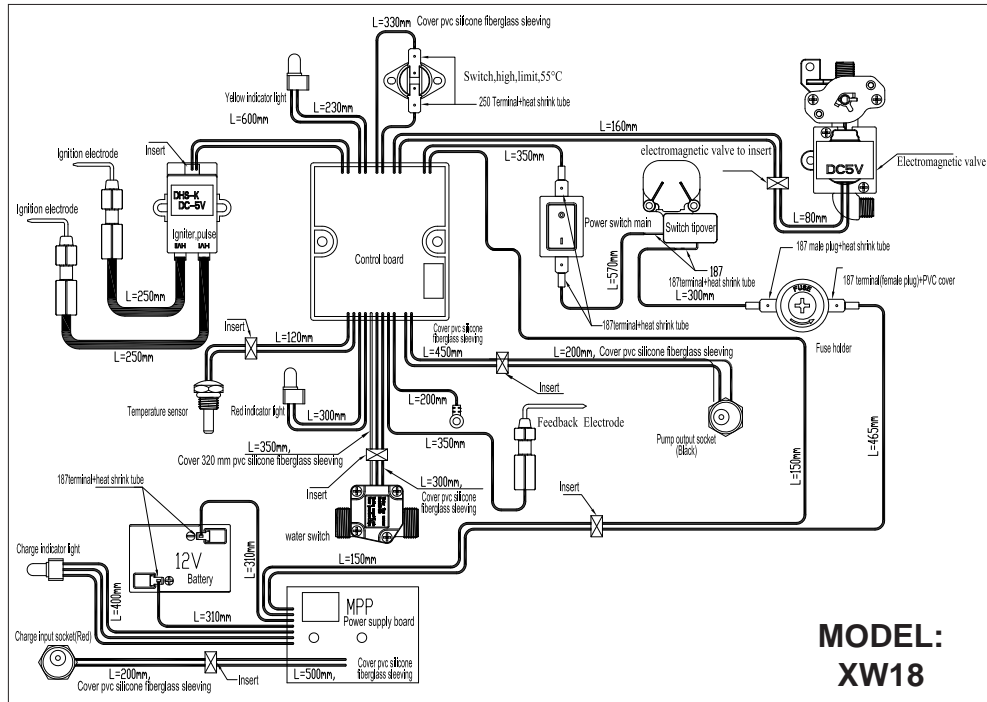
CAUTION: Label all wires prior to disconnecting when servicing controls. Wiring errors can cause improper and dangerous operation.

The parts lists and wiring diagram show the appliance as it was constructed. Do not use a heater which is different from that shown. Service should be done by qualified service technician.



**MODEL:
XB13**

WIRING DIAGRAM



TROUBLESHOOTING

PROBLEM	SOLUTION
Water will not flow from shower head	Check that appliance is switched on
	Check sufficient water is available
	Check that the pump is connected to the appliance
	Make sure the battery is charged
	Check for kinks in shower hose
	Check that pump fuse is not blown
	Check that the shower flow water regulator is in the open position
Burner will not light	Check that gas cylinder is turned on and that there is gas in cylinder
	Check that the water is flowing from shower head
	Check that the water is not over temperature
	Check that adequate AC power is available
	Check that battery does not require re-charging
Water is not hot enough Check gas control Check source water temperature	Check gas control
	Check source water temperature
	Cycle the water through the system back in to the source reservoir then through the appliance again
	Model XW18 reduce flow using the flow valve



DO NOT ATTEMPT TO MODIFY THE APPLIANCE

TROUBLE SHOOTING

This guide should be followed in case of failure of the appliance to operate correctly.



OPERATING INSTRUCTIONS AND OWNER'S MANUAL

Model #

XB13

XW18



XB13



XW18

WARNING:

USE ONLY MANUFACTURER'S REPLACEMENT PARTS. USE OF ANY OTHER PARTS COULD CAUSE INJURY OR DEATH. REPLACEMENT PARTS ARE ONLY AVAILABLE DIRECT FROM THE FACTORY AND MUST BE INSTALLED BY A QUALIFIED SERVICE AGENCY.



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