

# Water Torch Collective Ltd.

since 2001

Web: [www.watertorch.com](http://www.watertorch.com) • FAX: 250/492-7480 • Phone: 250/492-7400

## Purchase & Ship Help

The following information has been prepared to assist you in completing the necessary steps to efficiently purchase and acquire your WaterTorch™.

## For Your Information

Water Torch Collective, Ltd. (WTC) advocates conservation of resources. We prefer to have customers contact us by email, FAX or letter.

Due to the demands of an organization driven by continuing innovation, WTC management receive phone calls between Mon - Thurs. 2:00 - 5:30 pm (PST) only. Mornings are reserved for tasks that require intense concentration. Email is the most reliable way of communication.

George Wiseman (Technical Director)  
<wiseman@watertorch.com>

Tenaj DaCosta Wiseman (Executive Director)  
<glow@watertorch.com>

Order Room Associate  
<sales@watertorch.com>

*If your calculations are incorrect or there is missing information and we cannot reach you by email, we'll have to wait until **you contact us** before your order can be processed.*

## To Acquire an ER1200 WaterTorch™:

- A. Send in a Purchase Agreement (FAX or eMail)
- B. Email for Payment Options and Shipping Quote
- C. Send Payment.

### To complete the purchase agreement:

1. Fill in CUSTOMER information.
2. Complete the SHIP TO address. *(Note: Freight charges increase by \$100.USD to addresses in residential districts.)*
3. Indicate your choices of accessories *(see p.2).*

4. Read the Purchase Agreement and complete the Buyer Contact information located at the bottom left corner of the form. *(Unsigned agreements will not be processed.)*

5. Indicate your method of payment.

6. Send the completed, signed agreement to us.

Make a separate Purchase Agreement for each WaterTorch™ purchased.

All funds are in US dollars.

## Shipping Notes

**Payment in full and all necessary paperwork must be received & cleared a minimum of 1 week prior to shipping.** • shipdates given by George Wiseman.

*Usually, unless otherwise specifically arranged, if funds have not been cleared in time to meet designated ship dates, the customer's current space in the queue is forfeit and customer is placed at the current end of the queue.*

If you give us an email address, we will send tracking information after your machine leaves the WTC warehouse.

We have excellent worldwide shipping and prefer to use it. If the customer wishes to use their own shipping company, we will provide a commercial invoice and a pickup time. All other details are left to the customer. There is a \$75 service charge to cover our costs to prepare for and communicate with the non-WTC shipping company.

The WaterTorch™ shipping crate is well designed and meets EU ISPM 15 standards for insect protection. We sell it 'at cost' for \$90 each. We recommend that you keep it and use it for future shipping of your WaterTorch™.

CANADA: 160 Panarama Ridge, Box 21017, Penticton, BC V2A 8K8  
USA /INT'L: c/o Betta's Services, 1306 Main Street, Oroville, WA 98844

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### **ER1200 WaterTorch™ Optional Accessories**

#### (1) The Bubbler. (is very recommended):

- Provides an added layer of protection for the electrolyzer (less stress on the machine) during backfires. *(Everyone has at least one backfire while learning to operate the torch.)*
- The bubbler provides an easy method to 'clean' (scrub) the gas of any residual lye in case you want to work with extra pure gas.
- Having a bubbler allows you to 'modify' the flame using various fluids (eg. alcohol or diesel) instead of water. Modified flame can be used for applications that do not require the intense energy of a pure BG flame as well as for applications that need a less oxidizing flame. You can vary flame energies, temperature and carbon content for custom effects.
- You can use the modifier fluids in bubbler to color the flame so that you can see it in bright daylight. Normally the Brown's Gas flame is very transparent.

#### (2) 'Power Capacitor' Upgrade:

- The 'Power Capacitor' upgrade adds one more capacitor to the (3) capacitor bank inside the ER1200 WaterTorch™. The extra (4th) capacitor increases gas production by 25% (goes up to ± 1600 L/hr).
- The downside is that the amperage required by the machine also goes up 25% (to about 28 amps). Be sure to be using at least a 30 amp breaker/wiring.
- The extra capacitor allows you to make more impressive demonstrations.

*You can disconnect capacitance, as you choose, depending on the power requirements you have wherever you are. Example: When we host demonstrations (mostly in hotels) we disconnect two of the capacitors (from 4) so that we can run on a*

*240VAC 15 amp breaker that normally powers the room air conditioner. (With only two active capacitors, the gas production drops to about 800 liters per hour).*

! When you add the extra capacitor with your initial machine purchase, it comes installed free of charge. When you purchase it later, you'll need to install it yourself.

#### (3) Torch Kit

This assembly of parts consists of a torch handle; cutting attachments; tips; hoses; striker; goggles and oxygen regulator. This kit is not necessary if you already have these parts.

#### **'Pure' Lye = Sodium Hydroxide = NaOH**

Lye is NOT shipped with the machines because it is a caustic substance and would require extra shipping hassle/cost. Lye is locally available in hardware, grocery and drug stores. Any brand is as 'good' as the next. Use only **'pure'** lye.

#### **'Pure' Water**

*Be sure to read the Operation Manual that is shipped with your machine. Purchase on distilled water.*

#### **How to Set-Up Your Torch**

An information packet including BG DVD 3 and the torch operation manual are shipped with your torch.

We've also included a roll of teflon tape, a syringe, 4 casters & anything else you ordered. All of these items are packaged INSIDE your WaterTorch.

To access these items, remove the crate 'lid' by unscrewing the lower row of screws using a #2 Robertson (square head) screwdriver; then remove the machine hood to find your support items.

Read the Operation Manual and watch the 'setup' portion of the DVD BEFORE doing anything else.

#### **YOUR CUSTOMER SUPPORT:**

WAREHOUSE DIRECT SALE

Distributor #