

The WR Super Smoker (originally designed and patented by Ray-Vin) is a sight smoker, specifically designed to convert calcium carbide to acetylene, then burn the acetylene with limited oxygen to produce a very black non-reflective soot. This soot is applied to the sights of firearms (such as rifles and pistols) to prevent any sighting issues due to irregular or undesired light and reflection. The Super Smoker has been engineered for simple and reliable use, and constructed from materials to offer corrosion resistance and a long trouble-free life.

Please read the instructions! BOTH PAGES!

This device is not intended to be used as a candle or lamp and will melt if left burning for an extended period of time.

Extinguish the flame when finished smoking the sights and replace the safety cap. Keep from freezing.

The Super Smoker sight smoker is composed of two main sub-assemblies; the firehead (storing the carbide) and the water injector (storing the water).

A specially designed valve keeps water from leaking into the firehead until you need it by turning the pump knob.

The firehead is equipped with a flint wheel ignition system.

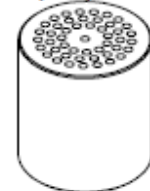
The jet in the firehead has a cotton filter to keep it from being blocked by particle contaminants. Should the cotton filter become clogged, you can replace it with a pinch of cotton, a bit of rag or paper towel. Never leave the jet unfiltered. An alternative for very infrequent or once daily use is to wrap a couple of small rocks of carbide in a porous material like CHUX wipes, fold them up, place in the firehead chamber and use the Super Smoker as normal use.

The safety cap serves four purposes; first, it protects the jet and flint wheel when not in use, second, it keeps the flint wheel from rubbing on something and re-lighting the flame (and setting your kit on fire!), third, it is a sifter to separate the dust from the rocks, and fourth, it allows the firehead to sit upside down when loading carbide.

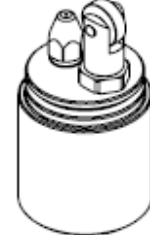
LOADING INSTRUCTIONS:

- 1) Separate the firehead and the injector by unscrewing.
- 2) Remove the pump knob from the injector by unscrewing.
- 3) Fill injector FULL to overflowing with clean water. Avoid trapping any air inside the injector.
- 4) Replace the pump knob DISPLACING EXCESS WATER & AIR and screw it in until you feel the O-ring bite (seal) and water jets from the injector valve (water injector is air tight).
- 5) Dry Excess water and set injector aside.
- 6) Set the firehead upside down with the safety cap in place.
- 7) Insert lamp grade carbide into the fire head (never more than 1/2 full).
- 8) Screw injector into the fire head to firmly compress the O-ring seal (at least 1/4 of a turn after contact) and ensure there are NO LEAKS.
- 9) The smoker should now be ready to use.

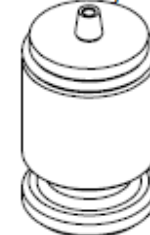
Safety Cap & Sifter



Firehead



Water Injector



Pump Knob

WATERS RIFLEMAN SUPER SMOKER, SIGHT SMOKER

OPERATING INSTRUCTIONS:

- 1) Always give the smoker a shake to distribute rocks and powder & remove safety cap.
- 2) Check jet O-ring and firehead/injector O-ring - make sure they are tight!
- 3) Turn pump knob in just a tiny little bit. No more than 1/8 turn clockwise.
- 4) Point firehead away from face, body and anything flammable.
- 5) Strike a spark with the flint wheel to ignite the acetylene. (If smoker does not light, turn the pump knob in just a little more.)
- 6) Smoke gun sights. Turn pump knob in to increase flame. (Avoid the urge to turn the pump knob backwards to reduce the flame. It will not reduce the flame and might draw air into the water chamber.)
- 7) Extinguish the flame!
- 8) Replace safety cap.

Tip: Let your smoker sit overnight before cleaning out the carbide chamber. This will dry it out and there will be nothing but dry powder and rocks inside. Use the sifter cap to separate the rocks for reuse and blow the dust off the threads before re-assembly.



NOTICE! SUPER SMOKER CAUTIONS!

You must read and understand all instructions before operating. Contact watersrifleman@gmail.com if you have any doubts as to safe operation.

Failure to screw the injector into the firehead to sufficiently compress the O-ring seal (about 1/4 of a turn after contact) may result in a gas leak that could ignite and burn your hand and cause injury, damage/ruin the smoker or both. Check this O-ring each time you use your smoker.

Do not attempt to operate the smoker with damaged or missing O-rings, if the jet is clogged or if any part of the smoker is damaged.

Always hold the smoker away from the face, body, another

person and anything flammable when lighting.

Always replace the safety cap after use.

The smoker continues to generate gas for some time after use. If you stow it in a closed space such as a tool box you can create a dangerous situation if gas is allowed to build up.

This Super Smoker design has been around for a very long time. It has been used successfully all around the world. It should be as easy to work as a Bic lighter. The design is rugged and durable and serve the shooter for a very long time if maintained and regularly cleaned after use.

In case of updates, please always refer to the WR website for information.

Each smoker comes with a spare valve, small and large O-ring. For additional spare parts, please refer to the schematic and email WR with items required.

