



## Shock Arrestor Inspection/Replacement (**Iceberg** POU Water Cooler)

### MAINTENANCE

**Please note that only properly trained personnel may perform service and maintenance.**

- Ensure that the system is disconnected from the mains power supply, cooled and system drained of water prior to performing maintenance or repairs.
- Check the Shock Arrestor Pre-Charge annually (minimum) to verify that the internal pressure is within 20% of the values indicated on the label (50 psi / 3.45 Bar if not otherwise stated).
- In order to maintain the external surface of the expansion tank, periodical cleaning shall be performed, only using water and soap.
- The Shock Arrestor is subjected to changes in system pressures, and may deteriorate over time; in the event that the Shock Arrestor no longer works, it should be replaced.  
*Note: To ensure the proper functioning of the system, the Shock Arrestor must be replaced in the event of excessive deterioration or every 5 years from installation date.*
- Use only Crystal Mountain original replacement parts.

**CRYSTAL MOUNTAIN shall not be responsible for any damage to things, property and / or injuries to persons due to not observing all the above instructions and, particularly, operation and maintenance of the tank itself and / or the connected system.**

### YEARLY MAINTENANCE

Ensure that the system power is off and disconnected, and system not pressurized (Valve Open).

1. Disconnect power supply cord (Figure 1), turn off water supply valve and open the faucet to release the water pressure (Figure 2 and Figure 3).



Figure 1



Figure 2

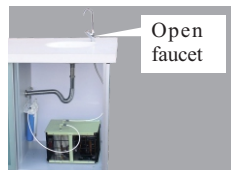


Figure 3

2. Disconnect the 2 connectors on top of the cooler (Figure 4), remove the screws from the front/back of the top cover (Figure 5 and Figure 6).

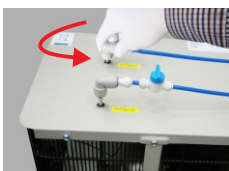


Figure 4



Figure 5

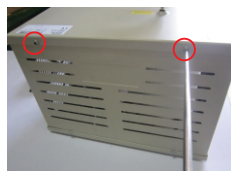


Figure 6

3. Remove cap from Shock Arrestor (Figure 7).



Figure 7

4. Connect pressure meter to charge valve (Figure 8).



Figure 8

5. Check the Shock Arrestor Pre-Charge to verify that the internal pressure is within 20% of the values indicated on the label (50 psi / 3.45 Bar if not otherwise stated) (Figure 9). Remove charge valve and replace cap (Figure 10).

**Note:** In the event that the Shock Arrestor will not hold pressure, a replacement will be required (see replacement instructions)



Figure 9



Figure 10

6. Install in reverse order, and connect water inlet tube and turn on water supply valve.

## **REPLACEMENT OF SHOCK ARRESTOR**

1. Disconnect power supply cord (Figure 11), turn off water supply valve and open the faucet to release the water pressure (Figure 12 and Figure 13).



Figure 11



Figure 12

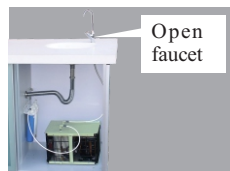


Figure 13

2. Disconnect the 2 connectors on top of the cooler (Figure 14), remove the screws from the front/back of the top cover (Figure 15 and Figure 16).

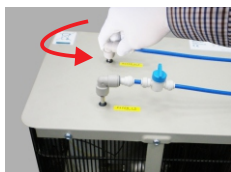


Figure 14



Figure 15

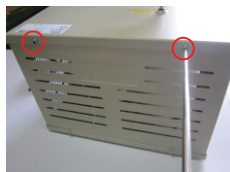


Figure 16

3. Use a wrench to hold the copper nut, and a second to disassemble the Shock Arrestor (Figure 17), and install the replacement component (Figure 18).



Figure 17



Figure 18

4. Install the top cover (Figure 19 and Figure 20).



Figure 19

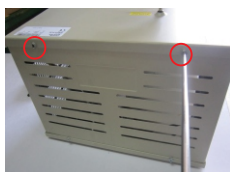


Figure 20

5. Reconnect the water connectors and tighten accordingly (Figure 21).

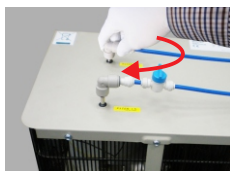


Figure 21