

# Product Safety

## VACUUM CHAMBER WARNING

**DO NOT OPERATE THIS EQUIPMENT UNDER THE INFLUENCE OF DRUGS OR ALCOHOL.**

**BY PURCHASING/ OPERATING THIS EQUIPMENT, YOU, AS THE OPERATOR AND CONSUMER, ARE ASSUMING ALL RISK AND LIABILITY THAT ARE ASSOCIATED WITH OPERATING THE EQUIPMENT. FAILURE TO FOLLOW INSTRUCTIONS CAN RESULT IN HAZARDOUS CONSEQUENCES SUCH AS PHYSICAL INJURY TO SELF OR OTHERS, DAMAGE TO SURROUNDING PROPERTY, FIRE, ETC.**

### **Vacuum Chamber General Guidelines**

Be sure to have a safe and organized work environment, free of obstacles and possible hazards, in an open well-ventilated area. NEVER operate equipment in a confined space, indoors, or in areas with minimal flow of fresh air.

All vacuum chambers MUST be operated on a FLAT surface.

Be sure to keep the equipment out of reach from children and pets.

Prior to operation, please take necessary safety precautions by wearing safety goggles, a face shield, gloves, protective clothing, and a respirator. Never stand next to or look directly inside any vacuum vessel without wearing proper safety equipment.

ALWAYS inspect all equipment prior to usage. Look for any physical damage, such as: cracks, dents, or stress fractures. Should the chamber or lid have any visible damages, **DO NOT USE and contact the manufacturer immediately.**

During assembly & disassembly, please ensure all components are **directed away from your face and other extremities.**

NEVER leave a vacuum chamber or vacuum pump unattended.

DO NOT MOVE vacuum chambers while under a partial or full vacuum operation; he shocks and vibration can cause structural damage and/or failure to the vacuum.

**Note:** Vacuum vessels are **NOT rated nor designed to be operated under positive pressure.**

Acrylic and Polycarbonate are **NOT resistant to solvents, alcohols, infusion/stabilization resins, liquid plastics, and hydrocarbons: such as butane and propane.** Small concentrations will result in lid degradation depending on the material. For further assistance, please review the user manual. If you need to contact the manufacturer, please have the product description available in order for the customer service representative to assist you.

### **Vacuum Chambers Brands**

#### **Best Value Vacuum Chambers:**

Made for resin (not stabilization resin such as Cactus Juice), epoxy resin, silicones.

**This chamber provides NO resistance to alcohol, acetone, acrylate and polar solvent (butane) applications.**

\*\*Failure to operate this chamber for the given applications voids manufacturer warranty and all liability by all sellers and retailers.

#### **ShatterVac Vacuum Chambers:**

Made for resins (not stabilization resin such as Cactus Juice), epoxy resin, silicones.

**This chamber does provide SOME resistance to alcohol, acetone, acrylate and polar solvent (butane) applications.**

\*\*Failure to operate this chamber for the given applications voids manufacturer warranty and all liability.

**GlassVac Vacuum Chambers:**

Made for resin for all possible applications including wood stabilization.

For prolonged stabilization exceeding 15 minutes with the pump running, we **require** the use of a cold trap to condense stabilization vapors prior to them hitting the pump.

\*\*Failure to operate this chamber for the given applications voids manufacturer warranty and all liability.

## **EXTRACTOR WARNING**

**DO NOT OPERATE THIS EQUIPMENT UNDER THE INFLUENCE OF DRUGS OR ALCOHOL.**

**BY PURCHASING/ OPERATING THIS EQUIPMENT, YOU, AS THE OPERATOR AND CONSUMER, ARE ASSUMING ALL RISK AND LIABILITY THAT ARE ASSOCIATED WITH OPERATING THE EQUIPMENT.**

**FAILURE TO FOLLOW INSTRUCTIONS CAN RESULT IN HAZARDOUS CONSEQUENCES, SUCH AS PHYSICAL INJURY TO SELF OR OTHERS, DAMAGE TO SURROUNDING PROPERTY, FIRE, ETC.**

**DO NOT IN ANY CIRCUMSTANCE OPERATE THIS EQUIPMENT INDOORS OR IN AREAS WITH LOW FRESH AIR FLOW.**

**Extractor Disclaimer:**

All extractors are tested under a vacuum and at pressure prior to shipping. Upon delivery and before **EVERY** use, the customer must pull a full vacuum and pressurize the system to **90PSI** with inert gas prior to operation to ensure assembly is correct and that the unit is functioning. Failure to do so could result in potential solvent leaks, injury, or even death. We are not responsible for failure to test the unit prior to operation.

If a leak is detected after following these guidelines, depressurize the system and inspect the area of the leak for any problems with seals or defects/damage to equipment. Once problem has been identified and resolved, pressurize the system and check for leaks again.

If the problem **CANNOT** be resolved, do not use the system and please contact Artesian Systems immediately.

**WARNING!!!**

Contents may be under positive pressure before, during, and even after operation has been complete. **NEVER** open or disassemble equipment without ensuring that **ALL** valves are open to relieve any residual pressure. Even if a gauge indicates that the pressure is zero, please ensure that all valves are **100% open before disassembly**.

### **Extractor General Guidelines**

Be sure to have a safe and organized work environment, free of obstacles and possible hazards, in an open, well-ventilated area. NEVER operate any form of extractor, including open blast, closed column, or closed loop systems, in a confined space, indoors, or in areas with minimal flow of fresh air. NEVER operate extraction equipment near electrical sources: including outlets, pumps, lights, or heaters.

Prior to operation, ensure that you and the extractor are **grounded!** Static electricity can result in a potentially dangerous situation. Be sure to take extra precaution during winter months and in dry climates where static electricity has a greater potential to occur. Our tripod and quad-pod design can facilitate improving safety/ grounding.

Prior to operation, please take the necessary safety precautions by wearing safety goggles, a face shield, gloves, protective clothing, and a respirator.

ALWAYS inspect steel components for any potential structural issues. Be sure to inspect all sight glasses/ viewing ports for stress fractures, chips, scratches, and deterioration. Inspect all clamps for thread stripping or stretching. If any of these issues are found, **DO NOT USE** and contact the manufacturer immediately. If you need to contact the manufacturer, please have the product description available in order for the customer service representative to assist you.

During assembly and disassembly, ensure that all components are **directed away from your face and other extremities.** **ALWAYS** pay special attention to the gauges on the system; **NEVER** assemble or disassemble components while under vacuum or pressure.

NEVER place extractor tubes or Butane tanks containing any form of solvent near exposed wiring, non-insulated motors (non-explosion proof/sparking motors), open flames, or in the refrigerator/freezer. **Please be sure to use static dissipative equipment. Failing to follow these instructions may result in a potential explosion.**

**Never bring concentrates or extracts indoors until the vacuum purging of the solvent has been completed.** Never place extracts in purging vessels until all liquid solvents, such as butane, alcohol, and propane, have outgassed into the atmosphere (outdoors). Failing to do so could result in personal injury and property damage.

For further information, please visit us at [www.artesian-systems.com](http://www.artesian-systems.com).