

**Connection to drain**

The appliance may be drained by using either a 3/4 or a 1 inch diameter pipe (copper or PVC, CPVC, etc). The connection to the drain stack must be made with a TY type connection, approved for such purpose. In case of doubt, have a plumber complete the installation.

Push the check valve/elbow assembly F into the rubber outlet and clamp with G clamp.

If you are using 1 inch pipes, cut the F elbow to a 1 inch diameter and couple to outlet pipe using clamp D (see fig. n°7e in the technical data sheet).

Ensure that the angle of slope is 1/4 inch per foot for horizontal drain sections, leading up to main drain stack, to ensure drainage by gravity.

Install an optional full port valve at the bottom of the drain pipe riser to allow drain off in case of repairs.

Use long turn bends and not elbows, elbows are not normally available in plastic piping, use two 45 degree elbow pieces back to back to make a 90 degree elbow.

**If repairs are needed**, maintain load on stand pipe, and remove G clamp located at pump outlet on the horizontal section of elbow (see fig. 7e in the technical data sheet).

**Connection to a vent system (7b)**

These pumps are designed to be connected to a ventilation system. Such connections must comply with local codes and this manual. This unit has been designed with a vent connection on the side of the pump. The coupling (C) used to accommodate the vent pipe is provided with the pump. Connect your vent system using a 1-1/2" PVC or ABS pipe. Please note that the vent system should be a two-way air vent. **The use of mechanical vents, air admittance valves or similar devices are not permitted as these are considered one-way air vent systems.**

**8 STANDARDS**

These models meet the conditions required to bear the CSA Mark shown with the letters "C" and "US". When they are used with the CSA mark, the letters "C" and "US" mean that the product has been assessed by CSA (CAN) and ANSI/UL standards, which is valid for use in Canada and the U.S. This also applies to products that bear the NTRL mention, which refers to National Recognized Testing Laboratory. This mark is issued by the U. S. Occupational Health and Safety Administration to laboratories that are authorized to grant authorization in accordance with American Standards.

**9 STARTING AND OPERATING INSTRUCTIONS**

**Run the water from the bathroom or from kitchen appliance connected to the pump and check that connections are watertight and that the pump starts and stops correctly.**

**The pump starts automatically as soon as the bath, the shower or the sink begins to drain. It shuts down when all the water has been drained.**

**Note that the pump will work intermittently as the pump will turn on and off for several cycles until it discharges all the water.**

The Sanivite P110 is designed to drain waste water from sinks, kitchen appliances, washing machines (indirect only), dishwashers, showers and baths. This pump can discharge hot water up to a maximum of 140°F (60°C). If the device operates with water temperatures higher than specified for a prolonged period, the thermal protector is automatically triggered and the device will cease to pump. In this case, wait for it to cool down approximately one hour) so that it automatically restarts.

Depending on use of appliance, periodic cleaning may be required. Intensive use of the **SANIVITE® P110** model may lead to excessive grease build up.

**"ATTENTION": Never drain alkaline or acidic liquids, solvents, oils, paints, paint strippers, food leftovers, or bleaches that may jam, damage or corrode this appliance.**

**In case of power failure, do not use any of the bathroom appliances connected to the pump, because they will not function properly until power is restored.**

 Never submerge pump entirely under water nor allow water to seep in through electric wire access.

**Make sure that all faucets are fully shut otherwise the motor may stop and start, leading to a short circuit. This may also lead to flooding.**

**If you do not plan to use the pump for a long period of time (vacation, major power shortage, maintenance, renovation), shut off water.**

**In regions prone to frost and freezing, the appliance must be adequately protected against freezing. This requires emptying all pipes and the pump body. Antifreeze may be used to protect the system. Pour 1 litre of antifreeze into a sink connected to the pump. This will activate the pump and any remaining water will be replaced by antifreeze. Neither labour nor parts are covered if the appliance is damaged by frost or freezing.**

**10 SERVICE**

  Disconnect power before working on the appliance.

This appliance does not require any particular maintenance. In case of appliance failure, all repair work must be performed by a SFA certified technician. This applies particularly when replacing power cord.

**11 PUMP RETURN AND REPAIR**

If returning the pump for repairs, call our toll free number to learn more about available options or to locate the closest certified service centre in your region. If you are returning pump to manufacturer, please carefully clean and disinfect this appliance, inside and out. Otherwise, labour charges may apply for cleaning.

Return appliance in original packaging, remove elbow drain and set aside for reassembly after the appliance is returned. If you do not remove elbow, it may be damaged during transport and may also cause damage to unit.

Ensure that unit is wrapped in a covering that will absorb shocks.

Ship the unit to manufacturer by postage paid and make sure you have insurance against loss or damage during transit.

\$300 should be sufficient for insurance coverage.

If repairs are made after warranty period or if the pump was damaged due to misuse by owner, an estimate of repair costs will be sent to the customer. All charges must be prepaid.

**12 WARRANTY**

**This SFA appliance bears a 2 year warranty starting from date of purchase, subject to proper installation and use, in compliance set out in this notice.**