

VAC-ALERT™ Quick Installation Guide

MODEL VA -2000 SVRS UNIT

1. The Vac-Alert™ SVRS is plumbed into the main drain line between the pump and the main drain. For simple testing be sure to install a fast acting ball, knife gate or butterfly valve between the SVRS unit and the main drain. Parts needed: Tee fitting, 1 1/2 " reducer bushing, and a 6-inch piece of 1 1/2" PVC pipe.



2. The unit should be **field** adjusted to accommodate normal operating system vacuum. Normal operating vacuum is the vacuum reading obtained on the Vac-Alert™ gauge when there is no air leaking through the SVRS vent port.
3. The unit has been factory adjusted to accommodate system vacuum levels up to 10" of mercury. Vacuum levels higher than this will require field adjusting of the SVRS unit.

HOW TO FIELD ADJUST THE MODEL VA -2000 SVRS UNIT

The SVRS is designed to protect against main drain entrapment; therefore, **any secondary source lines such as skimmer or vacuum lines must be closed off before adjusting or testing the VA-2000 SVRS unit.**

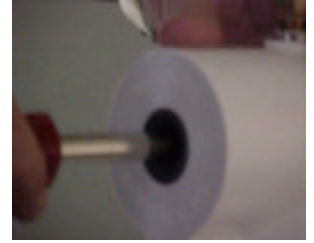


With the pump running and all secondary source lines closed off, remove the vent screen and feel for an air-leak by placing your hand, or by holding a plastic bag, over the vent hole at the gray end of the SVRS unit. If a leak is present the unit will need to be adjusted to handle a higher vacuum level. This is done by:

- Turning off the pump
- Locking open the piston by pushing a screwdriver through the vent opening (vent screen must already be removed) until a clicking sound is heard.
- Remove the security cap (stainless quarter size cover opposite the vent end) using the spanner tool provided.



- With a flat head screwdriver turn the adjustment screw (3) full revolutions to the right (clockwise), reset the piston by pressing down the reset lever, and restart the pump. Check for an air leak. If an air leak persists, lock open the piston, and repeat this procedure until air no longer leaks through the vent end of the SVRS unit.



- Start and stop the pump at least three times to make sure the SVRS does not react to pump start-up surge. Adjust the SVRS further if required. **Replace the vent screen and security cap when SVRS adjustment is completed.**

TESTING THE SVRS

The SVRS unit is easily tested by closing the fast acting valve installed between the SVRS unit and the main drain while the circulating pump is fully primed and running. Closing the test valve under these conditions simulates an entrapment event. In lieu of a test valve, placing a mat over the main drain can also be used to simulate an entrapment event. **The SVRS unit must be tested successfully at least three (3) times.**



When the entrapment simulation occurs, the SVRS piston should lock open and allow air into the pump suction, thereby dissipating the vacuum. The SVRS unit is easily reset by gently pressing down the reset lever. The pump should then regain full prime.

If the SVRS piston does not lock open under test conditions above, the unit must be adjusted to a more sensitive setting. This is done by turning the adjustment screw to the left (counter-clockwise).