

Device	Frequency of Testing per manufacturer or ANSI/APSP-16 2011	Who performs Test	Instructions for test ***All tests result in release of suction from pump within 4.5 seconds	Notes from Manufacturer	Contact Info
EmtronPS2D devices	Manual (pg 2): The PS2 Automatic Shut Off device requires testing every time the filters are backwashed or every 7-days to ensure the correct operation and programming of the H2Flow inc. PS2D.	Website (http://www.h2flow.net/ps2d-anti-entrapment-device/) Recommend that the test should only be performed by the person that maintains the pool or someone who is familiar with the plumbing aspects of the system. In other words, a signifier may not be the correct person whereas the maintenance technician would be.	Manual (pg 9): Testing consists of closing the pump suction valve causing the pump to dry run. The PS2D should shut the pump down within 1 second. On Pool applications with skimmer's, close the skimmer valves prior to completing this procedure.	Email from company. We recommend that your inspectors ask to see a log of the tests being done and that the log comprises the date, time, printed name and initials of the person performing the test. We also recommend that the inspector randomly asks the person responsible, to explain the testing procedure that is detailed in Section 8, Page 9 of the instruction manual. A further step would be to make the person perform the test with the inspector watching them.	Paul Hackett CEO H2Flow Controls, Inc. 3545 Silica Road, Unit F Sylvania, OH 43560 USA Tel: 419 842 2333 (Direct) Cell: 419 345 4533 Fax: 419 517 9900 paul.hackett@h2flow.net www.h2flow.net
Hayward Ecostar SVRS Pumps	No requirements per email and manual reference				Tel: (800) 351-5400
Hayward Stratum SVRS devices	Manual (pg 13): The Hayward Stratum VR500 and VR1000 perform a complete internal system test during every start-up sequence. Should anything change with the system design (plumbing changes and/or pump replacement). Additional tests should be performed periodically by the customer by running the self test described in pg 7 of the owners manual.	Manual (pg 7): The self test is run by the customer just to confirm the VR500 is actively protecting the pool/spa.	Manual (pg 7): To initiate a self-test through the use of the push buttons on the display push button "OK/MENU" and release. This only causes the system test in "RUN MODE". The self test is run by the customer just to confirm the VR500 is actively protecting the pool/spa. The system should restart and stabilize.		Tel: (800) 351-5400
Guardian SVRS Motor	Manual (pg 11): The SVRS must be calibrated for the pool and tested monthly.	Manual (pg 11): Owner	Manual (pg 9): The manufacturer recommends that the system be tested by simulating an entrapment event. A ball, butterfly, or sliding gate valve shall be installed within 2 feet upstream from the SVRS protected pump between the pump and the protected section outlet, or a test mat shall be used to cover the suction outlet to simulate an entrapment event. The motor and the pump should shut down in less than 3 seconds after the simulated suction event (mat on drain or valve closing). The red LED on the end of the Guardian module should be flashing four code 31. Remove the blockage from the drain or open the valve. Wait 4 minutes and the Guardian will attempt to restart the motor. Manual reset will restart the motor as well. To manually reset, switch power to the motor off, wait for 30 seconds with the power off, and then switch the power back on. It is recommended that this test be performed monthly to assure no changes have occurred in the calibration of the pool system. Note: Century does not recommend testing the safety function of the Guardian with a pump inlet valve. Covering the pool pump with a mat ensures that the entire pool plumbing system from pump to drain is tested.		Tel: (977) 667 2431
Jandy E SVRS Pumps	Manual (pg 16): The SVRS unit must be tested for proper operation after installation and monthly, thereafter.	Manual (pg 16): Professional service technician qualified in pool/spa installation	Manual (pg 16): 1. Using a ball valve, butterfly valve or sliding gate valve installed within 2 feet (0.6m) upstream from the pump, simulate entrapment by restricting water flow. A test mat can also be used to cover the suction outlet to simulate an entrapment event. 2. After an entrapment is detected, the pump will shut down, automatically releasing the vacuum created by the pump. 3. After the pump shuts down, reopen/remove restriction to pump suction line. The pump will attempt to restart after a shutdown period of approximately four (4) minutes. 4. Repeat three (3) times to verify proper adjustment and operation. (Manual does not differentiate between initial testing and the routine testing instructions)		Tel: (800) 822-7933
MVFUSE	Manual (pg 8): The MVFUSE should be reset for proper operation once every month or every time the pools filter is cleaned which ever is more frequent.	(no specific requirements)	Manual (pg 8): To test the operation of the MVFUSE 1. Start the pump and ensure full prime then proceed to testing the MVFUSE. 2. If the pool has a skimmer attached to the pump close the skimmer valve or plug. Closing the skimmer valve may cause the MVFUSE to trip. If the MVFUSE trips it is functioning properly. You still need to proceed through the rest of the steps to ensure the mat comes free. 3. Test the MVFUSE for proper setting by blocking the drain(s) with a rubber or vinyl blocking mat. 4. The MVFUSE should open within 3 seconds and allow air into the plumbing causing the pump to cavitate and release the suction on the drain. 5. The rubber mats should be able to be pulled free. 6. The test must be repeated three times. 7. Once you have determined the MVFUSE is functioning properly reset the skimmer valve or unplug. (Manual does not differentiate between initial testing and the routine testing instructions)		Tel: (800) 621-5886
Pentair IntelliPro and Pentair IntelliFlo SVRS Pumps	Manual (pg 11): The pumps do not require monthly testing because there is no way to disable or turn off the Safety feature. The only time you have to worry about service issues is if you ever have to replace the drive.				www.pentair.com/support/faq
Singi L-Devices	Website (Testing & Set-up Verification Procedure document http://www.singi.com/wordpress/wp-content/uploads/2016/02/Testing-Procedure.pdf) - The Singi SR-500 requires testing anytime the settings are changed and recommends monthly testing.	(no specific requirements)	Manual (pg 30) & Website (Testing & Set-up Verification Procedure document) - Proper operation of the SR-500 must be verified by restricting flow to the pump while running in any of the normal operating modes (limb, continuous, and remote). Begin testing by covering the main drain pump(s) with a rubber mat. This will cause the pump to pull through the skimmer line(s) only, resulting in a higher operating vacuum. It may be preferable to cover the drain and not increase the operating vacuum past the cut-off level. In this case it will be necessary to close the skimmer valve(s) to create the vacuum necessary to create an entrapment. NOTE: Repeat blockage 3 times to verify proper installation. (Manual does not differentiate between initial testing and the routine testing instructions)	Singi has gone out of business. If device is no longer functioning please have them replace the device with one of the alternate approved SVRS devices	Tel: (614) 434-4650
Vac-Alert Devices	Manual (pg 9): The Vac-Alert SVRS must be routinely tested to ensure ongoing safe operation of the unit. It is required that the SVRS be tested, per the prescribed testing procedures, prior to the start of each swimming season, and recommended thereafter at least once per month while the pool or spa remains in use by the end user.	Website: As for who should perform the testing, any qualified pool maintenance personnel or pool contractor should test the device.	Manual (pg 8) With the pump turned on, fully primed, all air bled from the filter, and with suction piping valves set to divert all flow from the main drain... 1. Quickly close the test valve to simulate a main drain blockage. A pole-mounted test mat can also be used to cover the main drain to simulate the same effect. 2. The Vac-AlertTM SVRS should respond instantly to the simulated blockage. The SVRS should lock in the open position, venting air into the system and dissipating the suction vacuum. A near zero reading on the SVRS vacuum gauge confirms the system is operating properly. 3. Open the test valve or remove the test mat from the main drain, and reset the SVRS unit by firmly pressing down on the reset lever. With the pump turned on, fully primed and air bled from the filter system, simulate the main drain blockage as done in the previous test. The SVRS should respond as before. Repeat this test procedure at least three (3) times to confirm proper operation of the Vac-AlertTM SVRS unit. (Manual does not differentiate between initial testing and the routine testing instructions)	Please note we have technical support available for inspectors and pool maintenance/pool contractors Monday thru Friday if needed. They just need to call into our BOD and ask to speak to a tech 800 374 7405. If you have any further questions please do not hesitate to ask.	Tel: (877) 978-0130
Vacless Devices	Manual (pg 5 & website http://www.vacless.com/booi/files/SVRSMaintenanceDirections.pdf): The Vacless requires monthly testing.	Website (http://www.vacless.com): A technician that is familiar with the Vacless products should be performing the testing.	Manual (pg 5 & website http://www.vacless.com/booi/files/SVRSMaintenanceDirections.pdf): To test, leave main drain suction line valve(s) open 100% and close or plug off all other pool outlets on the pump suction lines. Simulate entrapment by closing the main drain suction valve(s) that are installed within 2' upstream of the pump. The Vacless valve seal (piston) should activate (open). This allows air to rapidly fill the pump and will cause a loss of prime. Once activation is confirmed, open the main drain suction valve(s) and the valve seal should close and normal pump operation should resume. Repeat this test three times, if the device does not perform as described above the pool is to be closed to bathers and additional troubleshooting will be required. (Manual does not differentiate between initial testing and the routine testing instructions)		info@vacless.com
Dual or multiple Main Drains	No specific requirements but NSF website recommends visual inspections frequently.	No specific requirements	Multiple drain systems require periodic visual inspection to see that flow through the drains is not stopped by debris or other blockage. The critical entrapment prevention function of multiple drains is the condition that no single drain can function as a sole source of suction.		
Suction Limiting Vent Systems	Per FS 489, Annually, Section 514.0315(2)(b), F.S. A copy of the testing shall be submitted to the department with the annual operating permit renewal application.	Licensed pool contractor or a Florida licensed Professional Engineer	Drains no Check valve exists in suction piping protected by the device. Ensure no Hydrostatic valve exists in the suction piping or main drain pump protected by the device. A test mat is used to cover suction outlet to simulate entrapment event during entrapment test. When testing, also block the overflow system to simulate worst-case conditions. SVRS shall cause release of vacuum within 4.5 seconds after onset of high vacuum. The vacuum shall decay to less than the level present within the system before the test event within 4.5 seconds of test occurrence. Ensure the atmospheric opening on the device is tamper resistant. Ensure the atmospheric opening on the device is free from debris or other material that can clog it including vegetation and animal nesting.		