

# Changes to California Pool Code

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COUNTY OF SAN BERNARDINO  
**Environmental Health Services**  
DEPARTMENT OF PUBLIC HEALTH

# Changes to California Pool Code

(Based on Update to Title 24, Part 2, Vol 2 California Building Code Effective Sept. 1, 2012)

- <http://www.iccsafe.org/cs/codes/Errata/State/CA/520S1205.pdf>

# Pool Code

**On September 1, 2012 Title 24, Part 2, Vol. 2 of the California Building Code took effect. The changes to the pool code are include in the following sections:**

- ▶ Anti-Entrapment Devices
- ▶ Chemical Feeders
- ▶ Cleaning Systems
- ▶ Deck
- ▶ Depth Markers
- ▶ Diving Board Requirements
- ▶ Enclosure
- ▶ Filter
- ▶ Pool Equipment Enclosure
- ▶ Recirculation Pump Capacity
- ▶ Recirculation System
- ▶ Signs
- ▶ Solar Heating Installations
- ▶ Spray Grounds
- ▶ Turnover Rate
- ▶ Wading Pools

# Major Operational Changes

- Pool Signage
  - Directional Flow Labeling
  - Fencing
  - Gauges
- 

# New Pool Signage

In a Nutshell:

All signs now in one section: 3120B (see handout)

- ▶ All signs with 4 Inch letters unless otherwise required\*
- ▶ 1 inch lettering for:
  - NLGOD “Children under the age of 14...”
  - Language on Warning sign for spa (CAUTION is 4 inches)
  - EMERGENCY SHUT OFF SWITCH
  - Diarrhea Sign
  - Wave Pool Sign
- ▶ ¼ inch lettering for “text” for artificial respiration and CPR procedures

# New Pool Signage

- ▶ No Lifeguard Sign: “shall” replaced “should”
- ▶ No Diving Sign:
  - *Was*: “Shallow Pool” A pool that has a maximum depth of less than six feet.
  - *Now*: at pools with a maximum water depth of 6 feet or less.
- ▶ Artificial Respiration and CPR sign: Now includes CPR

# New Pool Signage

- ▶ Emergency Sign: The number of the nearest emergency services and the name and street address of the pool facility (\* in 4 inch lettering)
- ▶ “Keep Closed”: Shall be posted on exterior of gates and doors leading to pool enclosure
- ▶ Diarrhea
  - Discretion to be used on posting location

# New Pool Signage

- ▶ Wave Pools
- ▶ Spray Ground Sign “CAUTION: WATER IS RECIRCULATED. DO NOT DRINK.”
- ▶ Gas chlorine signs
  - Exit
  - Gaseous Oxidizer
  - Turn on before entering



# Pool Signage

- ▶ Direction of flow on recirculation system.
  - Direction of flow shall be labeled clearly and directional symbols such as arrows on all piping in the equipment area
  - If more than one recirculation system, equipment shall be properly identified as to which system it serves
  - Valves and plumbing lines shall be labeled with the source or destination description



# New Pool Signage

## Expectation for 2013

- Inspectors to use an educational approach.
- Will not violate until 2014

# NOT APPROVED



# Approved Signs



# Diarrhea Sign



# Approved?

▶ NO.



# Fencing

- ▶ Retroactively, all pool fences must be at least 4' high
- ▶ Code:  
*3119B.3 Retroactivity. Sections 3119B.1 and 3119B.2 shall apply only to public pool enclosures constructed on or after July 1, 1994. Notwithstanding the foregoing effective date, no fence enclosure shall be less than 4 feet (1219 mm) in height.*



# Gauges

- ▶ *3125B.2 Gauges. A pressure and vacuum gauge shall be provided for each pump system. Each gauge shall have a scale range approximately 1 1/4 times the maximum anticipated working pressure or vacuum and shall be accurate within 2 percent of scale.*  
*(Effluent Pressure Gauge no longer required)*
- ▶ Mark the start up clean pressure on the influent gauge or on the filter housing.

# AB 1020 Update

- ▶ **DEHS Goal:** All pools to be AB1020 complaint by June 30, 2013
- ▶ **Drained pools, non-AB1020 compliant**
  - must go through Plan Review with DEHS to reopen
  - If pool/spa is to be demolished, approval from local Building and Safety Dept. must be obtained. Submit copy of finalized building permit to DEHS for permit inactivation.
- ▶ **Pool found non-compliant will be closed**

# AB1020 Compliance

- ▶ Pools with Single Main Drains complied by:
  - Splitting the main drain with minimum 3 foot separation (recommended option)
  - Installing an unblockable drain
  - Installing a Safety Vacuum Release System
    - Electronic Timer system that controls pump (Stingl, Hayward Stratum)
    - Inline SVRS (Vac-alert)
    - Pump with built-in SVRS (Pentair Intelli-flo w. SVRS)
    - Vacless

# Anti-Entrapment Devices and Systems

All Suction Outlets were to be covered with compliant covers meeting the *ASME/ANSI A112.19.8-2007* standard

July 29, 2011 CPSC approved new standard for Suction Fittings:  
*ANSI/APSP-16*

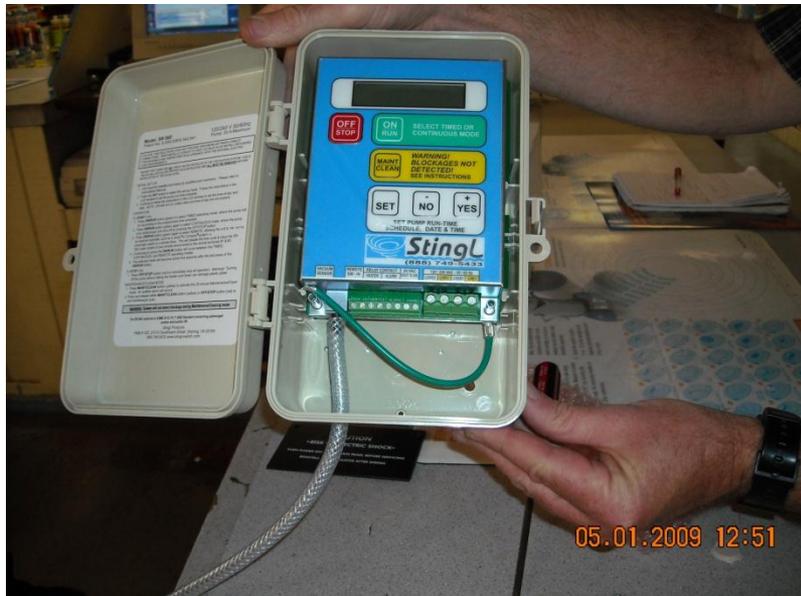


# Anti-Entrapment Devices and Systems

- ▶ Every public swimming pool with a single main drain that is not unblockable shall be equipped with one of the following:
  - A safety vacuum release system (SVRS)



# Safety Vacuum Release System



# Safety Vacuum Relief System



# Safety Vacuum Release System



Typical Commercial application or for a Residential Pool without a spa 6-2007



# Safety Vacuum Relief System

<http://www.cpsc.gov/en/Recalls/2011/Safety-Vacuum-Release-System-Recalled-by-Vacless-Systems-Inc-for-a-Repair/Replace-Program-to-Prevent-Entrapment/>



## NEWS from CPSC

### U.S. Consumer Product Safety Commission

Office of Information and Public Affairs

Washington, DC 20207

FOR IMMEDIATE RELEASE  
January 19, 2011  
Release #11-101

Firm's Hotline: (818) 899-1755  
CPSC Recall Hotline: (800) 638-2772  
CPSC Media Contact: (301) 504-7908

### Safety Vacuum Release System Recalled by Vacless Systems Inc. for a Repair/Replace Program to Prevent Entrapment

WASHINGTON, D.C. - The U.S. Consumer Product Safety Commission, in cooperation with the firm named below, today announced a voluntary recall of the following consumer product. Consumers should stop using recalled products immediately unless otherwise instructed. It is illegal to resell or attempt to resell a recalled consumer product.

**Name of Product:** Pool Safety Vacuum Release System

**Units:** About 1,600

**Manufacturer/Distributor:** Vacless Systems Inc., of Sylmar, Calif.

**Hazard:** Improper plastic material found inside the recalled product has been attributed to vacuum release failures which create an entrapment hazard to swimmers and bathers.

**Incidents/Injuries:** Vacless Systems Inc. has received no reports of incidents or injuries.

**Description:** The recalled product is a black plastic device that screws into the drain hole of a swimming pool or spa circulation pump. As part of the circulation systems, the device is designed to release the vacuum in a drain line whenever a submerged drain cover of a swimming pool or spa is completely covered. The recalled product has model number SVRS10ADJ and only involves the following serial numbers found on the weather-proof label attached to the top of every unit:

061040994 through 061041353

071040437 through 071040536

071040570 through 071040574

# Safety Vacuum Release System



# Equalizer Lines

*3136B.1 (3.) If used, a skimmer equalizer suction outlet located on the pool wall shall be connected to at least two suction grate assemblies that meet the ASME/ANSI A112.19.8 performance standard and located at least 3 feet (915 mm) apart in any dimension between the drains*

*If there is an equalizer line at the skimmer, there must be a compliant cover over the suction outlet: otherwise pool will be ordered closed*

# Title 22 Update

[http://www.cdph.ca.gov/HealthInfo/  
environhealth/water/Documents/Re  
cHealth/Title%2022%202012-  
13/Pool%20Reg%20Text%20Clean%2  
01%2028%202013%20\(2\).pdf](http://www.cdph.ca.gov/HealthInfo/environhealth/water/Documents/ReHealth/Title%2022%202012-13/Pool%20Reg%20Text%20Clean%2001%2028%202013%20(2).pdf)