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OREGON ADMINISTRATIVE RULES
DEPARTMENT OF HUMAN SERVICES, PUBLIC HEALTH DIVISION
CHAPTER 333

DIVISION 62

PUBLIC SPA POOL RULES

333-062-0100

Inlets ~~and Outlets~~

(1) Pool inlets ~~and outlets shall~~must be provided, sized, and arranged to produce a uniform circulation of water so as to maintain a uniform disinfectant residual throughout the pool.

~~(2) There must be at least one inlet per 400 square feet of pool area or 10,000 gallons of water, whichever is greater, with a minimum of two inlets.~~

~~(2) At least one outlet shall be provided at the lowest point of the pool floor to drain the entire floor area.~~

~~(3) Total velocity through outlet grate openings shall not exceed two feet/second (.67 m/second).~~

~~(3)~~ Grates ~~must~~shall be designed so as to prevent entrapment of fingers.

~~(4) All recirculation inlet fittings must be adjustable for rate of flow. Wall inlet fittings must be directional.~~

~~(5) Inlet fittings must have tamper-proof screws that cannot be removed except with tools. Grates, vortex plates and inlet fittings must be in place whenever the spa is in use.~~

~~(6)~~ Direct potable water pool inlets ~~must~~shall:

(a) Be over-the-rim spouts with an air-gaps located beside grab rails; ~~or~~

(b) Be through-the-wall fill lines located above the water level and equipped with an appropriate backflow prevention device installed per OAR 333-061-~~00710099~~;

(c) Be directly connected to the recirculation water supply and equipped with reduced pressure device installed per OAR 333-061-~~00710099~~ on the potable water supply adjacent to the connection with the spa pool recirculation water.

~~(6) Spa outlets shall be designed so that each pumping system in the spa provides one of the following alternatives:~~

~~(a) Two outlets whose pipe diameter sizes are equal, the system shall be designed so that neither one of the two outlets shall be cut out of the suction line by a valve or other means which would allow entrapment of the bather on the suction orifices;~~

~~(b) One antivortex drain. The antivortex drain shall not provide a tripping or stubbing hazard to the feet. The minimum acceptable diameter for the antivortex plate is 6";~~

~~(c) Provide an open area of 144 square inches (30 cm x 30 cm) or larger grate.~~

~~(7) All outlet grates, antivortex plates and inlet fittings shall have tamper-proof screws that cannot be removed except with tools. Grates, vortex plates and inlet fittings shall be in place whenever the spa is in use.~~

Stat. Auth.: ORS 448.011

Stats. Implemented: [ORS 448.005 - 448.100, ORS 448.990](#)

333-062-0102

Submerged Suction Fittings and Drains

The provisions in this rule are consistent with the requirements of the federal Virginia Graeme Baker Pool and Spa Safety Act (VGBPSSA), 15 USC 8001. Public swimming pools, wading pools and spas that operate year-round were expected to be in compliance by December 19, 2008. Seasonal public swimming pools, wading pools and spas that were closed when the law went into effect are expected to be in compliance with the federal law on the day that they reopen in 2009. The U.S. Consumer Product Safety Commission (CPSC) is responsible for enforcing the VGBPSSA. This rule will not be enforced by the state or a county delegated authority under ORS 448.100 against public swimming pools, wading pools and spas built prior to the effective date of this rule as the state is not responsible for enforcement of the VGBPSSA. However, any public pool or spa not in compliance with the VGBPSSA could be subject to an enforcement action by the CPSC.

(1) ALL POOLS

(a) Every spa pool must have an easy and effective means of draining the pool.

(b) Main drain and submerged suction outlets must be designed with sufficient open area that the maximum velocity through the cover does not exceed the cover's listed flowrate. Drains and suction fittings must be installed to minimize tripping, toe stubbing and scrape hazards.

(c) All hardware and fittings must be supplied by the manufacturer and installed according to the manufacturer's directions.

(d) BROKEN OR MISSING GRATE FITTINGS. If the pool operator finds that a suction fitting is broken or missing, the operator must close the pool immediately, shut down the recirculation system and remain closed until the fitting has been replaced.

(2) NEW CONSTRUCTION. Main drain and submerged suction fitting systems must provide ENTRAPMENT, HAIR ENTANGLEMENT AND EVISCERATION protection.

(a) Main drains and submerged suction fittings and sumps must be compliant with the requirements of ANSI/ASME A112.19.8 (2007). The cover must be labeled and include; "VGB 2008," the logo of the third party listing agency, the standard for which it was tested, the gallons per minute for which it was approved and the location it is to be placed.

(b) Maintain any documentation about your main drain or suction fitting.

(c) All submerged suction fittings must be installed with a sump designed and approved by the manufacturer for that outlet cover.

(d) All field built sumps must be designed by an Oregon registered engineer and must be built so the opening of the suction pipe is no closer than 1.5 times the pipe's inside diameter from the bottom of the listed suction cover/plate.

(e) Main drains and submerged suction fittings must be separated by at least three feet (measured from the main drain connector pipe centerlines) between the furthest fittings, or be on separate planes, placed so the floor and wall suction fittings cannot be easily blocked at the same time.

(A) The outlets must be sized to handle an equal portion of at least 200 percent of the recirculation flow.

(B) The outlets must be installed so that they cannot be isolated from one another; no intervening valves.

(C) The piping going back to the pump must be located in the hydraulic middle of the connector piping, and must be the same size as the connector piping.

Stat. Auth.: ORS 448.011

Stats. Implemented: ORS 448.005 - 448.100, ORS 448.990