

## ANTI-ENTRAPMENT

### LEGAL LAYERS OF PROTECTION

By December 2008, each public pool and spa in the United States must be equipped with anti-entrapment devices or systems that comply with the ASME/ANSI performance standard. In addition, each pool or spa with a single main drain — other than an unblockable drain — must be equipped with at least one or more of the following layers of protection to prevent entrapment by pool or spa drains:

#### **Safety vacuum release system (SVRS)**

An SVRS must cease operation of the pump, reverse the circulation flow or provide a vacuum release at a suction outlet when a blockage is detected. It also must have been tested by an independent third party and found to conform to *ASME/ANSI Standard 112.19.17* or *ASTM Standard F2387*.

#### **Automatic pump shut-off system**

An automatic pump shut-off system senses vacuum at the main drain itself and shuts off water flow at the main drain before vacuum at the main drain reaches dangerous levels.

#### **Suction-limiting vent system**

A suction-limiting vent system with a tamper-resistant atmospheric opening.

#### **Drain disablement**

A device or system that disables the drain of a pool or spa.

#### **Gravity drainage system**

A gravity drainage system that utilizes a collector tank.

#### **Other systems**

Any other system determined by the CPSC to be equally effective as, or better than, the systems described previously.