

## DRAIN COVER AND GRATE WARNINGS:

**⚠ DANGER**

\* \* \* READ INSTALLATION GUIDE COMPLETELY BEFORE OPERATING. THESE WARNINGS ARE NOT A SUBSTITUTE FOR THE WARNINGS AND INSTRUCTIONS CONTAINED IN THE INSTALLATION GUIDE. FAILURE TO FOLLOW THESE INSTRUCTIONS AND WARNINGS AND THOSE CONTAINED IN THE INSTALLATION GUIDE CAN RESULT IN SEVERE PERSONAL INJURY OR DEATH  
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**⚠ DANGER**

SERIOUS BODILY INJURY OR DEATH CAN RESULT IF A DRAIN COVER OR GRATE IS NOT INSTALLED AND USED CORRECTLY.

## DRAIN COVER AND GRATE WARNINGS:

### DANGER

#### **SUCTION ENTRAPMENT HAZARD:**

Pool and spa pumps produce high levels of suction, which can pose extreme danger if a person comes in close proximity to an open pool or spa drain or if a drain cover or grate is loose, cracked, broken or missing.

Pool and spa pumps move large volumes of water, which can pose extreme danger if a person's hair comes in close proximity to a drain that is not the proper size for the pump or pumps.

**Suction entrapment dangers include:**

**Hair Entanglement** – When the hair tangles or knots in the drain cover or grate, trapping the swimmer underwater. This hazard is present when the flow rating of the cover or grate is too small for the pump or pumps.

**Limb Entrapment** – When a limb is sucked or inserted into an opening resulting in a mechanical bind or swelling. This hazard is present when a drain cover or grate is missing, broken, loose, cracked or not properly secured.

**Body Entrapment** – When a portion of the body is held against the drain cover or grate trapping the swimmer underwater. This hazard is present when the drain cover or grate is missing, broken or the cover or grate flow rating is not high enough for the pump or pumps.

**Evisceration/Disembowelment** – When a person sits on an open pool (particularly a child wading pool) or spa outlet and suction is applied directly to the intestines, causing severe intestinal damage. This hazard is present when the drain cover or grate is missing, loose, cracked, or not properly secured.

**Mechanical Entrapment** – When jewelry, swimsuit, hair decorations, finger, toe or knuckle is caught in an opening of an outlet, drain cover or grate. This hazard is present when the drain cover or grate is missing, broken, loose, cracked, or not properly secured.

### WARNING

**Regularly inspect all drain covers for cracks, damage and advanced weathering. If a drain cover becomes loose, cracked, damaged, broken or is missing, close the pool or spa immediately, post a notice and keep the pool or spa closed until an appropriate VGB 2008 certified drain cover is properly installed. Drain covers and grate deteriorate over time due to exposure to sunlight and pool chemicals. Drain covers and grates must be replaced within seven (7) years from installation (or earlier if the cover or grate becomes damaged in any way).**

**SOME COVERS AND GRATES ARE INCOMPATIBLE WITH OTHER MANUFACTURERS' FRAMES AND THE EXISTING FRAME MUST FIRST BE REMOVED AND A NEW SUPPLIED FRAME INSTALLED. PLEASE REFER TO THE INSTALLATION GUIDE TO DETERMINE HOW YOUR DRAIN COVER OR GRATE MUST BE INSTALLED.**

## DRAIN COVER AND GRATE WARNINGS:

Only the supplied stainless-steel screws should be used with the drain cover or grate. Substitute screws such as masonry screws, sheet rock screws or other types of screws should never be used. Screws put into the frame anywhere except in the original screw holes will not hold and will allow the drain cover or grate to come off the main drain, causing an entrapment hazard, including possible limb and body entrapment or evisceration/disembowelment. If the screw holes of the frame are stripped or the inserts are missing, loose, or damaged, replace the frame. **DO NOT DRILL NEW SCREW HOLES IN THE FRAME AS THIS WILL DAMAGE AND WEAKEN THE FRAME.**

### WARNING

**For use with multiple suction outlets or a single outlet. If only a single outlet or main drain exist, a Safety Vacuum Relief System (SVRS) such as the Pentair Water Pool and Spa IntelliFlo® VS + SVRS pump, a gravity drainage system, an automatic shut-off system or a suction-limiting vent system must be used.**

### WARNING

**Improper installation or use of drain covers or grates may present a risk of hair or body entrapment and drowning. Install drain covers and grates in accordance with the instructions provided and in accordance with the Installation Guide. Failure to follow all instructions and/or use with components not provided by Pentair Pool Products may result in improper positioning or functioning of the drain cover or grate and may cause severe personal injury or death.**

### WARNING

**Use covers or grates only with a pumping system rated for the corresponding flow or less for 2 inch plumbing. FAILURE TO DO SO CAN RESULT IN HAIR OR BODY ENTRAPMENT WHICH CAN CAUSE SEVERE PERSONAL INJURY OR DEATH. If in doubt about the rating of your system, consult a qualified pool or spa professional.**

### WARNING

**An ANSI/ASME A112.19.8 approved anti-entrapment drain cover or grate must be used for each drain. Pools and spas should utilize two drains per pump. If a drain cover or grate becomes loose, broken or is missing, close the pool or spa immediately and shut off the pump until an approved anti-entrapment drain cover or grate is properly installed with the supplied stainless steel screws.**

## Important Notice:

### WARNING

**Call (800) 831-7133 for additional free copies of these instructions. It is absolutely critical that the suction plumbing be installed in accordance with the latest national and local codes for swimming pools. A copy of the Installation Guide for your drain cover or grate is available free at [www.PentairPool.com](http://www.PentairPool.com).**