

Drain Maintenance Bulletin

Pool drains can be subjected to a variety of conditions during their recommended five-year life-cycle. The geographic area in which the pool or spa is located can have an effect on the type and amount of debris, and the intensity of the debris load that will enter a pool. Some pool drains are also subject to annual winterization processes. Each of these conditions requires the drain(s) in a pool or spa to be properly maintained and regularly checked. Clogged or damaged drains, or improperly installed drains can create significant dangers as described below. Regular required maintenance is the responsibility of the pool owner or operator. Following the warnings and instruction below should enhance the safety and efficiency of your pool or spa.

SUCTION ENTRAPMENT HAZARD:



DANGER

DEATH or SERIOUS INJURY will result if a drain cover or grate is not installed and used correctly.

- Pool and spa pumps produce high levels of suction and move high volumes of water, which can cause death or serious injury if a person comes in close proximity to pool or spa drains.
- Keep clear of pool and spa drains to avoid death or serious injury from suction.



DANGER

DEATH or SERIOUS INJURY will result from **hair entanglement or limb entrapment**.



- Keep clear of pool and spa drains.
- Hair sucked into pool or spa drains will tangle and knot trapping the swimmer underwater. Avoid placing your hair near a pool or spa drain.
- Avoid sitting on pool or spa drains because the suction can cause severe intestinal damage, evisceration, and/or disembowelment.



DANGER

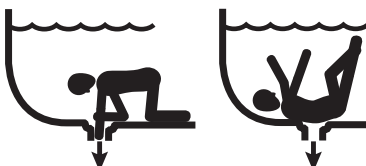
DEATH or SERIOUS INJURY will result from pool or spa drain covers or grates that are improperly installed, missing, clogged, or broken.

- Inspect pool and spa before each use to ensure that drain covers and grates are properly in place and secured.
- Ensure that drain covers are not damaged, cracked, broken, loose, clogged, not properly secured, or missing because these conditions increase the chance of death or serious injury from entrapment.
- If a drain cover is discovered damaged, cracked, broken, loose, clogged, not properly secured, or missing, you should:
 - Close the pool or spa immediately; and,
 - Post a closure notice and keep the pool or spa closed until an appropriate ANSI/APSP -16-2011 certified drain cover is properly installed.



DANGER

DEATH or SERIOUS INJURY will result from contact with a damaged, loose, or missing drain cover.



- Do not allow limbs to contact or be inserted into a drain pipe with a damaged, loose, or missing drain cover. This could result in swelling of the limb and/or trapping a swimmer underwater.
- Avoid mechanical entrapment of jewelry, swimsuit, hair decorations, finger, toe, or knuckle in a drain pipe with damaged, loose, or missing drain cover. This may result in trapping a swimmer underwater.
- Do not allow body to come into contact with a drain pipe that has a damaged, loose, or missing drain cover. This may result in trapping a swimmer underwater.

MAINTENANCE INSTRUCTIONS & WARNINGS:



WARNING

DEATH or **SERIOUS INJURY** can result from pool or spa drain covers or grates that are clogged by debris.

- All pool and spa drain covers may become obstructed by debris and should be cleaned periodically due to clogging from debris, such as pieces of plastic, hair, fabric, twigs, leaves, seeds, etc.
- The frequency of periodic cleaning will vary depending on the amount and type of debris introduced into the pool or spa
- Clogging of the drain cover will increase the suction effect and increase the likelihood of death or serious injury from those hazards listed above.
- A clogged drain can negatively affect the safety of the drain.
- It is advisable to have a qualified pool or spa professional perform this inspection and debris removal from the pool and spa drain covers.
- When servicing the drain cover, the pump connected to the suction must be turned off.
- Do not perform any service of the drain cover in water level above your waist.
- Use drain covers only with a pumping system rated for the corresponding flow or less. Failure to do so can result in hair or body entrapment which can cause death or serious injury. If in doubt about the rating of your system, consult a qualified pool or spa professional.
- Use only the supplied stainless-steel screws with the drain cover. Screws put into the frame anywhere except in the original screw holes will not hold and will allow the drain cover to come off the main drain, causing an entrapment hazard. If a screw hole(s) is stripped, inserts missing, loose, or damaged, consult your owner's manual and installation guide for proper steps to replace, correct, or reattach the compromised drain or drain component.



WARNING

All drains must be installed in accordance with manufacturer's written instruction & maintenance manual, and in conformity with applicable Federal, State, Local and Swimming pool industry building and safety codes.

Replace the drain cover within 5 years after installation.

This information above is provided with every Paramount drain and is contained in Paramount's Owner's Manual Maintenance & Installation Guides. The homeowner or facilities operator should have and keep this information.

Resellers

We encourage you to share this important information with all of your customers that have purchased drains in the past and in future purchases.

All Paramount drain Owner's Manuals and Maintenance & Installation Guides can be found by using these links or by entering these links into a browser:

http://www.1paramount.com/support/owners_manual_maintenance_installation

<http://www.1paramount.com/support/download-manuals/>