



WARNING / DANGER/ ATTENTION

GENERAL SAFETY GUIDELINES

MAIN DRAIN FRAME & GRATE – SUMP & GRATE
SUCTION OUTLET FITTING ASSEMBLIES (SOFAS)

MAXIMUM RATED FLOW RATES

DalMax-SG-183624/DalMax-FG-183624- FLOOR: 1984 GPM; WALL: 1404 GPM
DalMax-SG-183628/DalMax-FG-183628- FLOOR: 2480 GPM; WALL: 1909 GPM
DalMax-SG-183634/DalMax-FG-183634- FLOOR: 2869 GPM; WALL: 2080 GPM
DalMax-SG-185434/DalMax-FG-1854- FLOOR: 4412 GPM; Wall: N/A

****When installing and using this equipment, basic precautions shall always be followed. Including the following:**

IMPORTANT SAFETY INSTRUCTIONS.

****If there are any doubts about the use, installation and function of this product, always consult a Registered Design Professional. (RDP)**

****This product is for use as a SOFA for single or multiple drain use only. They can be used in a single outlet system as they are considered unblockable.**

****When two or more SOFAs are used in a multiple-outlet system, they shall be arranged such that the two outermost sumps/frames shall have a minimum separation of 3 feet measured center-to-center. If they are to be installed closer than three feet center-to-center, they shall be located on two different planes, i.e., one SOFA shall be located on the pool floor and one SOFA shall be located on a vertical wall, or one SOFA shall be located on each of two separate walls.**

****Do not locate SOFAs on seating areas or on the backrests for such seating areas.**

****In the event that one suction outlet is completely blocked, the remaining SOFAs serving the system shall have a flow rating capable of the full flow of the pump(s) for the specific suction system.**

****For use in floor or wall mounting positions only.**

**** Any field modification made to these SOFAS, that is not authorized by the manufacturer's installation instructions shall void the SOFA certificate.**

****No modifications shall be made to these SOFAS structure or flow path unless the new configuration has been certified as new SOFA.**



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- **The grates/covers (DalMax-GO-1818), shall be replaced at or before the end of their service life. The service life for these are 25 years and this service life begins the month and year it is installed with or without water.
- **If pool is empty during freezing conditions, plug suction lines and remove water from sump.
- **The cover/grate and fasteners shall be observed for damage or tampering each operational day.
- **Missing, broken, or cracked cover/grates shall be replaced before bathers are allowed to use the pool.
- **Loose cover/grates and fasteners shall be reattached before bathers are allowed to use the pool.
- **SOFA components and fastener receptacles shall be clean and free of debris or obstructions during installation of cover/grates and fasteners.
- **Grates are to be installed with the thickened edge of the grate towards center of sump. If grate protrudes above top of sump, then it is installed incorrectly. Fasten down grates with only the provided screws.
- **DO NOT USE POWER TOOLS TO INSTALL FASTENERS, align provided stainless steel screws with anchor and hand tighten. This is to ensure proper thread engagement and to prevent cross threading. Use torque wrench to tighten to 30 in/lbs.
- **After installation of cover/grates, installer is required to hand-check for snugness to the sump/frame.
- **If any component of this SOFA is held in place by the interior finish of the pool, that surface shall be free of deterioration and voids.
- **If the provided screw is damaged and will not fasten down the grate/cover as required, replaced screw with new one (1/4"x20x1 1/4" #2 square drive screw). If the threaded insert becomes damaged, it shall be drilled out and replaced with a comparable stainless-steel drop in anchor and attached with screw that engages anchor with at least 3 complete turns.

SAVE THESE INSTRUCTIONS!

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For inquiries or assistance