

## WARNING /DANGER/ ATTENTION

### INSTALL INSTRUCTIONS

#### FOR SINGLE OR MULTIPLE USE ONLY

Part # DalMax-SG-183634    Part # DalMax-SG-183628

Part # DalMax-SG-183624    Part # DalMax-SG-185434

Replace within 25 years for cover and screws

#### MAXIMUM RATED FLOW RATES—ACCEPTABLE PIPE SIZE

SIZE	FLOOR	WALL	PIPE
18 x 36 x 24	1984	1404	8-Inch
18 x 36 x 28	2480	1909	10-Inch
18 x 36 x 34	2869	2080	12-Inch
18 x 54 x 34	4412	NA	14-Inch

When installing and using this equipment, basic precautions shall always be followed including the following: **IMPORTANT SAFETY INSTRUCTIONS.**

**READ, FOLLOW, AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS** and then keep them for future reference. If there are any questions or further information needed call **1-888-509-8128 for assistance.**

- Do not locate suction outlets on seating areas or on the backrests for such seating areas.
- When two (2) or more suction fittings are used on a common suction line they must be separated by a minimum of 3 feet, or if any are located closer they must be located on two (2) different planes.
- In the event of one suction outlet being completely blocked, the remaining suction outlets serving that system shall have a flow capacity rating capable of the full flow of the pump(s) for the specific suction system.
- Encase the perforated pipe with 1" free draining gravel, minimum of 24" x 24" x 18" deep.
- Install the 2" hydrostatic relief valve with Teflon tape or thread compound. If they are not required, cap off the outlets with a 2" PVC male threaded plug.
- Install perforated collection tee into 2" socket on underside of sump. Use PVC primer and glue. Avoid contact with hydrostatic valve.
- Connect side plumbing outlet to the suction line. Use PVC primer and glue.
- Use a plywood cut-out to avoid concrete and debris from fowling the inside and top of the SOFA, especially the threaded inserts.
- Ensure the SOFA is correctly secured, level and square prior to pour.
- When concrete is dry, remove the plywood cover and using the provided fasteners, install the cover/grate. Hand start the screws to ensure they do not cross thread or strip out the threaded inserts. Tighten with torque wrench to 30 in/lbs.
- The use of adhesives or other attachment methods that prevent access to suction piping or SOFA components requiring periodic servicing is prohibited.
- **CAUTION:** The SOFA fasteners must be observed for damage or tampering before each use of this facility.



# FIBERGLASS SUMPS & GRATES

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- Any missing, broken or cracked covers/grate must be replaced before using this facility. Any grate that can be removed without tools must be secured prior to using the pool.
- Many state codes differ from APSP-16 2011 recommendations. It is the responsibility of the installer to choose the proper SOFA for the application.
- **CAUTION:** Do not exceed maximum flow rate stated on cover/grate. When replacing pump, use pump with similar flow curve and horsepower.
- **TESTING:** When testing the piping to the sump, use water test only, do not use compressed air.
- If pool is empty during freezing conditions, plug suction lines and remove water from sump.
- When winterizing, grate must be reinstalled per original installation instructions.
- All SOFAs shall be installed in accordance with the manufacturer's installation instructions. In the case of a RDP SOFAs, they shall be installed in accordance with the registered design professional's engineering plans.
- No modifications shall be made to a SOFA structure or flow path unless the new configuration has been certified the original SOFA.
- This standard provides performance-based flow ratings for all SOFAs. These flow ratings are designed to prevent suction entrapment. Compliance with this standard requires that these SOFA-configuration specific flow ratings **NOT** be exceeded at any time the pool is open to bathers.
- Compliance with this standard requires selecting and installing a SOFA, or combination of SOFA's, such that the resulting individual suction flow rating is greater than the pumping system's maximum system flow rate. Skimmers, gutters and other overflow systems may not always be operational and could divert all the pump(s) flow through the SOFA suction system, therefore the flow capacity of these systems shall not be included when evaluating an individual suction system flow rating.

## SAVE THESE INSTRUCTIONS!

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