

## WARNING/DANGER/ATTENTION

INSTALL INSTRUCTIONS INTO FRAME OR CONCRETE  
 LEDGE Model# DalMax-FG-1854, Part# DalMax-FO-1854  
 Part# DalMax-GO-1818, Part# DFS-DALMAX-FG  
**UNBLOCKABLE**



MAXMUM RATED FLOW RATES AND ACCEPTABLE PIPE SIZE			
SIZE	FLOOR	WALL	PIPE
18" x 54"	4412 GPM	N/A	14"

**SERVICE LIFE: 25 YEARS FOR FRAME, GRATE, AND FASTENERS**

All SOFAs shall be installed in accordance with the manufacturer's installation instructions

## IMPORTANT SAFETY INSTRUCTIONS: READ, FOLLOW, AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS

- 1) Keep instructions for future reference. If there are any questions or further information needed call 1-888-509-8128 for assistance.
- 2) This cover/grate is suitable for replacement per these installation instructions if 1) the existing components and/or structures are in proper intended working order, 2) they are within the designated service life, and 3) the existing attachment points can comply with these installation instructions for fastening. If the existing attachment points do not comply, the grate must be anchored into a solid concrete base using the fasteners provided.
- 3) This SOFA is intended for concrete, vinyl lined, and composite pool surfaces. SOFAs shall not be located on seats or the backrests for seats.
- 4) When installing the grate without the supplied frame, the grate must be anchored into a solid concrete base using the fasteners provided.
- 5) The use of adhesives or other attachment methods that prevent access to suction piping or SOFA components requiring periodic servicing is prohibited.
- 6) Use grate to locate and mark the anchoring positions.
- 7) Using 5/16" concrete bit; drill the holes to a depth of 1". Use caution, **DO NOT OVER DRILL.**
- 8) **DO NOT USE POWER TOOLS TO INSTALL FASTENERS.** Install the drop-in stainless-steel anchors provided and set with the proper tool (not provided).
- 9) Hand start the bolts to ensure they do not cross thread or strip the inserts. Tighten with #2 square head screwdriver and tighten to 30 in-lbs. Ensure a minimum of 3 complete turns into the concrete anchor and that screws heads are flush.
- 10) After installation or replacement of cover/grates, installer is required to hand-check for snugness to the sump/frame. The grate shall be flush with the finished pool surface with the ribs facing into the sump.
- 11) No modification shall be made to a SOFA structure or flow path unless the new configuration has been certified as a new SOFA. The interior surface of the pool shall not form a portion of the SOFA flow path.
- 12) cover/grates and associated components shall be reattached before bathers are allowed to use the pool.
- 13) Missing, broken, or cracked cover/grates, sumps, or any other SOFA component shall be replaced before bathers are allowed to use the pool.
- 14) This SOFA configuration specific flow rating shall not be exceeded at any time the pool is open to bathers.
- 15) 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. The flow rating for pools with single, or multiple unblockable SOFAs shall be determined by combining the flow rating of all SOFAs piped together in one body of water.

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DALDORADO, LLC daldorado.com 4327 Arnold Avenue, Naples, FL 34104 Call (888) 509-8128 for inquiries or assistance

**SAVE THESE INSTRUCTIONS! THEY MUST BE DISPLAYED IN PLANT ROOM!**

## WARNING/DANGER/ATTENTION

INSTALL INSTRUCTIONS (Continued)

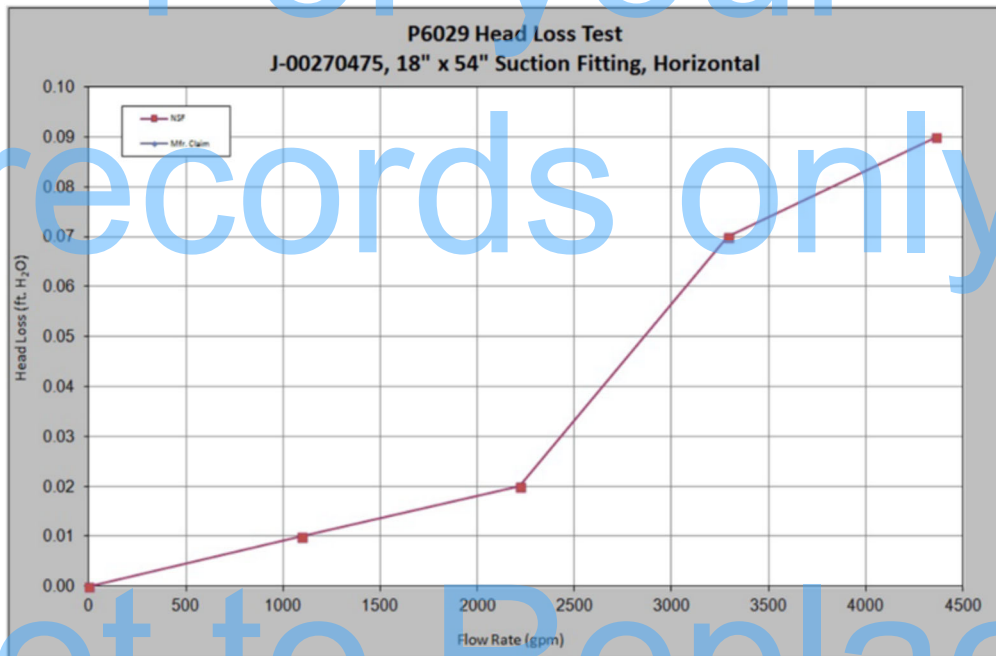
Model# DalMax-FG-1854, Part# DalMax-FO-1854

Part# DalMax-GO-1818, Part# DFS-DALMAX-FG

**UNBLOCKABLE**



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.**



This frame and grate is for replacement of existing, Registered Design Professional (RDP) certified SOFAs only.