

WARNING/DANGER/ATTENTION

APSP/ANSI/ICC-16 2017 COMPLIANT INSTALL INSTRUCTIONS

Model# DMD-FG-CU, Part# DMD-FO-CU

Part# DMD-GO-CU, Part# DFS-FASTSET-MD-CU

UNBLOCKABLE

CUSTOM FLOOR or WALL: GPM TO BE CALCULATED USING AN EXTRAPOLATED CALCULATION BASED ON THE INDIVIDUAL UNBLOCKABLE AREA TO THAT OF THE ACTUAL GPM IAPMO TEST RESULTS, OR THE "Q" FROM APSP-16 2017, WHICHEVER IS THE LESSER

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 instruc. ons 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) APSP/ANSI/ICC-16 2017 provides performance-based flow ratings for all SOFAs. These flow ratings are designed to prevent suction entrapment. Compliance with APSP/ANSI/ICC-16 2017 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.
- 16) The grates shall be identified compliant per APSP/ANSI/ICC-16 2017 Section 8, including date of manufacture.

REVISED 04/10/2026 - Operations

DALDORADO, LLC daldorado.com 2900 Horseshoe Dr S #300, 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# DMD-FG-CU, Part# DMD-FO-CU

Part# DMD-GO-CU, Part# DFS-FASTSET-MD-CU

UNBLOCKABLE



Compliance with APSP/ANSI/ICC-16 2017 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.**

FOR REPLACEMENT/RETROFIT ONLY

NOTE: This product is designed to span width of up to 24". If the width is greater than 24", additional cross support is required.

These custom grates are for replacement of existing A) APSP-16 2017 SOFA's and APSP-16 2011 Compliant Sumps or B) Registered Design Professional (RDP) certified SOFAs prior to that or under current regulations.

40% Open Area for Unrestricted Water Flow

FOR INDOOR AND OUTDOOR USE

DMD-FG-CU, DMD-FO-CU and DMD-GO-CU GRATES ARE CERTIFIED BY IAPMO R&T
AGAINST NSF/ANSI/CAN 50-2020

