

WARNING/DANGER/ATTENTION**APSP/ANSI/ICC-16 2017 COMPLIANT INSTALL INSTRUCTIONS****Model# DalMAX-SG-242421-BEAST, Part# DalMAX-SO-242421-BEAST Part# DalMAX-GO-2424,
Part# DFS-DalMAX-SG **UNBLOCKABLE****

MAXIMUM RATED FLOW RATES AND ACCEPTABLE PIPE SIZE			
SIZE	FLOOR	WALL	SIDE PORT
24" x 24" x 21"	1734 GPM	1552 GPM	10"

SERVICE LIFE: LIFE OF AQUATIC FACILITY FOR SUMP, 25 YEARS FOR 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 SOFA is intended for concrete, vinyl lined, and composite pool surfaces. SOFAs shall not be located on seats or the backrests for seats.
- 3) The use of adhesives or other attachment methods that prevent access to suction piping or SOFA components requiring periodic servicing is prohibited.
- 4) Encase the perforated pipe with 1" free draining gravel, minimum of 24" x 24" x 21" deep.
- 5) 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.
- 6) Install perforated collection tee into 2" socket on underside of sump. Use PVC primer and glue. Avoid contact with hydrostatic valve.
- 7) Connect side plumbing outlet to the suction line. Use PVC primer and glue.
- 8) Use a plywood cut-out to avoid concrete and debris from fouling the inside and top of the SOFA especially the threaded inserts.
- 9) Ensure the SOFA is correctly secured, level and square prior to pour.
- 10) When concrete is dry, remove the plywood cover to install the cover/grate. **DO NOT USE POWER TOOLS TO INSTALL FASTENERS.** Hand start the bolts provided to ensure they do not cross thread or strip the inserts. Tighten with torque wrench to 30 in-lbs.
- 11) 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.
- 12) 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.
- 13) Loose cover/grates and associated components shall be reattached before bathers are allowed to use the pool.
- 14) Missing, broken, or cracked cover/grates, sumps, mud-frames, or any other SOFA component shall be replaced before bathers are allowed to use the pool.
- 15) This SOFA configuration specific flow rating shall not be exceeded at any time the pool is open to bathers.
- 16) 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.
- 17) The grates and sump shall both be identified compliant per APSP/ANSI/ICC-16 2017 Section 8, including date of manufacture.

REVISED 11/21/2024 - Daldorado

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-SG-242421-BEAST, Part# DalMAX-SO-242421-BEAST
Part# DalMAX-GO-2424, Part# DFS-DalMAX-FG

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.**

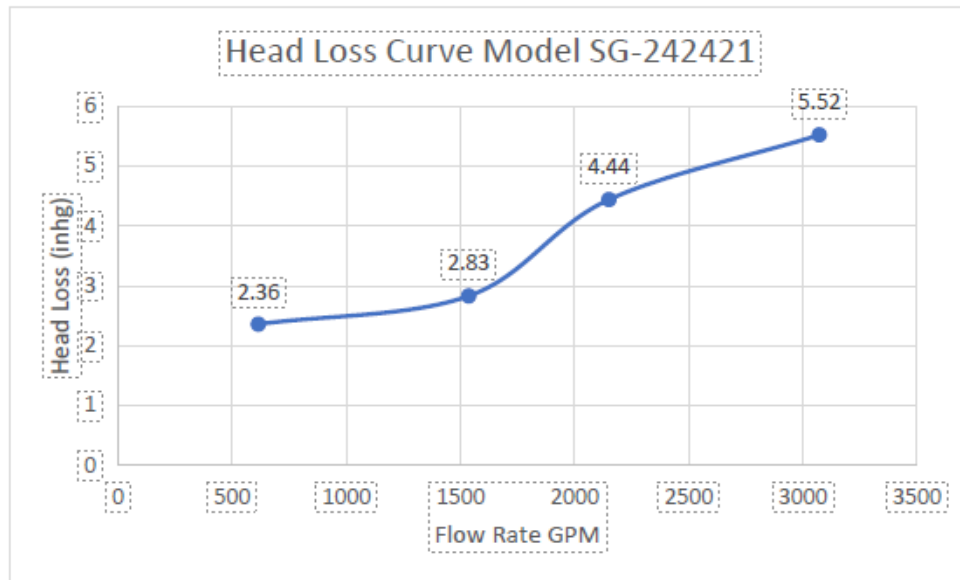
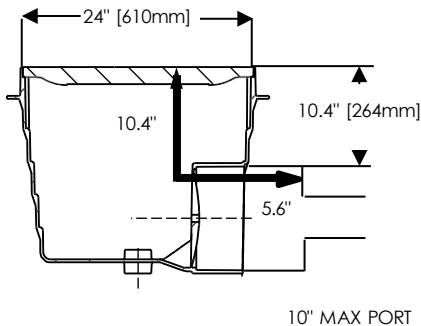


Figure 1 – Head Loss Curve, suction fitting model SG-242421

62% Open Area for Unrestricted Water Flow



Suction pipe orientation allowed:	SIDE
Minimum port opening depth:	10.4"
Maximum side port size:	10"
Minimum suction pipe opening length before size reduction:	16"

Minimum length before reduction > 16"

FOR INDOOR AND OUTDOOR USE

DalMAX-SG-242430 IS CERTIFIED BY IAPMO R&T AGAINST NSF/ANSI/CAN 50-2020

