

# All DalMAX Sump and Grates (SOFA's) are Certified under APSP-16 2017 (PA 2021) & NSF/ANSI/CAN 50-2020 SOFA - Suction Outlet Fitting Assembly

DalMAX SOFA's listed below are IAPMO certified for all custom piping configurations  
All suction pipe locations are >16" below top of grate; total flow cannot exceed certified flow rates

Model Number	Size (inches)	Depth (inches)	Max Port Size (inches)		Open Area (inches <sup>2</sup> )	Certified Max Flow (GPM)		Velocity at Max Flow (ft/s)		Flow Rate (GPM) at Velocity (ft/s)		
			Side Port	Bottom Port		Floor	Wall	Floor	Wall	0.5	1.0	1.5
DalMAX-SG-242430	24x24	30	12	24	357	1734	1600	1.56	1.44	556	1113	1669
DalMAX-SG-183624	18x36	24	8	24	401	1984	1440	1.59	1.15	625	1250	1875
DalMAX-SG-183625	18x36	25	8	24	401	1984	1440	1.59	1.15	625	1250	1875
DalMAX-SG-183628	18x36	28	10	24	401	2480	1909	1.98	1.53	625	1250	1875
DalMAX-SG-183634	18x36	34	16	24	401	2869	2080	2.30	1.66	625	1250	1875
DalMAX-SG-185427	18x54	27	10	24	602	2872	2872	1.53	1.53	938	1876	2815
DalMAX-SG-185428	18x54	28	12	24	602	2944	2872	1.57	1.53	938	1876	2815
DalMAX-SG-185429	18x54	29	12	24	602	2944	2872	1.57	1.53	938	1876	2815
DalMAX-SG-185434	18x54	34	16	24	602	4412	N/A	2.35	N/A	938	1876	2815
DalMAX-SG-187234*	18x72	34	16	24	803	7715	N/A	3.08	N/A	1252	2504	3756
DalMAX-SG-187242*	18x72	42	24	24	803	7715	N/A	3.08	N/A	1252	2504	3756
DalMAX-SG-244834*	24x48	34	16	24	714	6456	N/A	2.90	N/A	1113	2226	3339
DalMAX-SG-244842*	24x48	42	24	24	714	6456	N/A	2.90	N/A	1113	2226	3339

\*Tested flow rate was hydraulically limited due to lab pipe/pump system not sufficient for large size SOFA's.

\*The lesser of the Q Formula per Section 3.9 of ANSI/APSP/ICC-16-2017 and the velocities derived from the testing of the next size down was considered the most conservative flow rate, based on engineering evaluation.

DalMAX SOFA's listed below are IAPMO certified with limited custom piping configurations

Refer to product-specific submittals for available configurations; total flow cannot exceed certified flow rates

Model Number	Size (inches)	Depth (inches)	Max Port Size (inches)		Open Area (inches <sup>2</sup> )	Certified Max Flow (GPM)		Velocity at Max Flow (ft/s)		Flow Rate (GPM) at Velocity (ft/s)		
			Side Port	Bottom Port		Floor	Wall	Floor	Wall	0.5	1.0	1.5
DalMAX-SG-242412-06	24x24	12	6	6	357	1664	N/A	1.50	N/A	556	1113	1669
DalMAX-SG-242412-04	24x24	12	4	4	357	712	N/A	0.64	N/A	556	N/A	N/A
DalMAX-SG-242412-03	24x24	12	3	3	357	408	N/A	0.37	N/A	N/A	N/A	N/A
DalMAX-SG-185424	18x54	24	10	24	602	2872	2872	1.53	1.53	938	1876	2815

## Grate Service Life: 25 Years Sump Service Life: Life of the Aquatic Facility

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