



## **Test Report Summary of SR SMITH Pool Lift Model No. 250-0000**

**To** SR Smith LLC

**Attention:** Mr. Bill Svendsen

**Address:** 1017 SW Berg Parkway  
P.O. Box 400  
Canby, OR 97013

**Email:** BSvendsen@srsmith.com

**Reference No.:** MEIC-7805006-SRS

**Date:** August 20, 2012

**Subject: Summary Report of Swimming Pool Lift Tests per ADA 1009.2  
Model No. 250-0000, SR Smith PAL Hi/Lo Aquatic Lift**

This summary contains the limited results of the detailed report that was prepared as an outcome of the testing performed on a sample of swimming pool lift **Model No. 250-0000, SR Smith PAL Hi/Lo Aquatic Lift** which was tested according to the American's with Disabilities Act (ADA) standard 1009.2. All the tests were performed under simulated pool environment and on site at SR Smith, LLC facility, located in Canby, Oregon.

### **Scope of the Testing (Work)**

The testing was conducted under simulated pool environment to ascertain that the pool lift (tested in as-mounted condition by SR Smith) complied with ADA Standard 1009.2.

### **Mounting Apparatus**

A platform made of plywood simulating a typical pool deck was set up by SR Smith, and was used to mount the pool lift. The pool lift to be tested was mounted into a simulated concrete installation at a typical installation distance (18" on center) to the simulated pool wall.

### **Tests Conducted and Measurements Made**

A test protocol to include all the measurements and tests as detailed in the standard was prepared and tests were performed by strictly following the standard protocol and by using calibrated instruments. All the measurements (where applicable) were performed by using the deck to mimic the pool, and the lifts mounted on it.

Section 1009.2.1 – Scope of the test: Pool Lift Location (not conducted)

Section 1009.2.2 - Scope of Test: Seat Location.

Section 1009.2.3 - Scope of Test: Clear Deck Space.

Section 1009.2.4 - Scope of Test: Seat Height.

Section 1009.2.5 - Scope of Test: Seat Width.

Section 1009.2.6 - Scope of test: Footrests and Armrests.

Section 1009.2.7 - Scope of Test: Operation.

Section 1009.2.8 - Scope of Test: Submerged Depth

Section 1009.2.9 - Scope of Test: Lifting Capacity

**MEI-Charlton, Inc.**

Website: [www.meic.com](http://www.meic.com)

7220 N Lombard St, Portland, OR 97203-3208

Tel.: 503-228-9663; Fax: 503-228-4065

TO: SR Smith, LLC  
 SUBJECT: Pool Lift Tests per ADA 1009.2  
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**Table 1: Test Results Data of Swimming Pool Lift Tests per ADA 1009.2, for Model #: 250-0000, SR Smith PAL Hi/Lo Aquatic Lift.**

ADA Req	Test Details	Observation	Req	Pass	Fail
1009.2.1	Pool Depth at Installation Location	***	≤48 in		
1009.2.2	Edge of Pool to Centerline of Seat Distance when Raised	25 inches	≥16 in	X	
1009.2.2	Deck Slope-Edge of Pool to Centerline	***	≤1:48		
1009.2.3	Clear Deck Space Width	-	≥36 in	X	
1009.2.3	Clear Deck Space Length from 12 in Behind Rear of Seat	-	≥48 in	X	
1009.2.3	Deck Slope-Clear Deck Space	***	≤1:48		
1009.2.4	Seat Height from Deck to Top of Seat Surface when Raised	Exceeds Req.	16-19in	X	
1009.2.5	Seat Width	18 ½ inches	≥16 in	X	
1009.2.6	Footrests Provided (y/n)	Detachable Yes	Yes	X	
1009.2.6	Footrests Move with Seat (y/n)	Yes	Yes	X	
1009.2.6	Armrests Provided (y/n)	-	NR		
1009.2.6	Armrest on Side Opposite Water Removable (y/n)	-	Yes*		
1009.2.6	Armrest on Side Opposite Water Folds Clear of the Seat (y/n)	-	Yes*		
1009.2.7	Pool Lift Operable from Deck Level (y/n)	Yes	Yes	X	
1009.2.7	Pool Lift Operable from Water Level (y/n)	Yes	Yes	X	
1009.2.7	Controls and Operating Mechanism Unobstructed When Lift is in Use (y/n)	Yes	Yes	X	
309.4	Operable Parts Operable with One Hand (y/n)	Yes	Yes	X	
309.4	Tight Grasping Required (y/n)	No	No	X	
309.4	Pinching Required (y/n)	No	No	X	
309.4	Twisting of the Wrist Required (y/n)	No	No	X	
309.4	Force Required to Activate Button Less than 5lbs (y/n)	0.70lb 1.20lb	0.75lb 1.20lb	≤5lb	X
1009.2.8	Depth of Seat Submersion	21 inches	≥18 in	X	
1009.2.8	Depth of Seat From Deck	27 inches	≥18 in	X	
1009.2.8	Edge of Deck to Centerline of Seat Distance when Lowered	***	NR		
1009.2.9	Lift Sustains Static Loading of 450 lbs or 1.5 x Rating (y/n)	450lb	Yes	X	

**Note: Rated for 300 lbs.**

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\*If armrests are provided they must be either removable or able to fold clear on side opposite water.  
\*\*Armrest is removable by removing screws. ; NA – Not Applicable; NR – Not Required  
\*\*\*Item being a pool specific requirement was not tested.

+ Req = Requirement

**Results:** Swimming Pool Lift, Instrument #3: 250-0000, SR Smith PAL Hi/Lo Aquatic Lift, in the simulated pool environment was found to pass all tests that were performed.

**Comment:** SR Smith Sample Model No 250-0000 passed the tests as identified in the above table.

This summary report is based on the full report which contains the details of the tests conducted on the identified model and as supplied by SR SMITH, LLC presents the outcome of the testing performed by MEIC. This summary is not a substitute for the full report.

**A copy of the full report is available to all SR SMITH Prospective and Current customers from MEIC at a nominal cost. You may order your copy at [www.meic.com](http://www.meic.com) directly.**

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