

Swim-Lift® Series, Yellowstone™ , part number 28411

Specifications:

The assisted access lift shall be the standard catalogued product of a company regularly engaged in the manufacture of accessibility equipment. Alternate models of access lifts will not be considered unless equal to the specified product in every respect and must be submitted for approval not less than ten (10) calendar days prior to bid due date. Submittal data must include complete documentation relating to all the specified features and include manufacturer's sales literature, specification sheets, installation/operation/maintenance manuals and engineering drawings.

The assisted access lift shall be designed for use with aboveground swimming pools and/or spas having a wall thickness of no more than 8-inches (20.32cm) and a maximum height of 42-inches (107cm). The unit shall be of the assisted-operation, manual rotation type and shall be powered by water pressure; pressure of no more than 55-pounds per square inch (379kPa) shall be required for the lift's operation. The unit shall be designed to support a 300-pound load capacity (136kg) with a 1.5 safety factor.

The assisted access lift shall consist of the following components:

Lift

The lifting mechanism shall be a 4 ½-inch (11.43cm) stainless steel, open-atmosphere cylinder incorporating a hemispherical shaped piston to facilitate 29-inches of vertical travel.

- The access lift shall incorporate the use of five (5) 3/8-inch (.95cm) expansion anchors. The anchor assembly shall include five (5) threaded bolts for use in securing the lift to the anchors
- A valve control handle that requires less than 5-pounds (6.78J) of pressure to operate shall be positioned on the lift cylinder
- All metallic components of the lift shall be fabricated of 304L stainless steel

Finish

All metallic components shall be passivated, in compliance with ASTM A967-99, incorporating organic acid passivation techniques for maximum corrosion resistance. Following the passivation process all lift components shall be electro polished. The finished surface of the rails shall be comparable to a number 7 finish.

Seat Assembly

A seat assembly shall be provided that meets and/or exceeds the Type "A" Seat as covered by ABYC's seat standards. Seat assembly shall be subjected to all testing associated with Type "A" Seats – documentation of compliance with standards and testing is required.

The seat shall be white in color, 18-inches (45.72cm) high, 18-inches (45.72cm) wide and 17 ¾-inches (45.08cm) deep and shall be a double contour design for seating comfort. The seat shall fold down when not in use to keep seat surface cool and impede use by unauthorized individuals. Fold down shall be a "No-Pinch" hinge with stainless-steel hinge pins.

The seat shall be equipped with a seat belt assembly. Wide synthetic webbed belts shall be employed along with a quick release, non-metallic, cam-lock buckle.

Water Box

A stainless steel water box shall be installed in the pool deck adjacent to the installation site of the assisted access-lifting device. The box shall be 8-inches (20.3cm) wide x 8-inches (20.3cm) long x 6 1/8-inches (15.6cm) deep and shall be complete with vandal proof cover. It shall be provided with a 1 1/8-inch diameter (2.86cm) hole in the sidewall to allow for a supply line. A hose spigot shall be plumbed into the box, allowing for connection of a flexible hose. A 1 1/8-inch (2.86cm) diameter hole shall be provided in the removable lid for the hose to pass through.

Pressure Amplification System - Spectra-Force™

The pressure amplification system shall consist of a 1/2-HP (373-watts), single phase, 60-cycle, 3450 RPM, stainless steel centrifugal pump having a performance rating of 5 gallons per minute (1.39m³/h) at 60 psi. (414kPa), hydro-pneumatic pressure-sustaining tank having a maximum working pressure of 100 psi (689kPa) with a 3/4" NPTM (19mm) tank connections, and an adjustable pressure switch allowing for adjustment of cut-in and cutout pressure, a 3/4-inch (19mm), brass, spring-loaded check valve designed to retain water pressure accumulated within the pressure-sustaining tank, 50-feet (15.24m) of 3/8-inch (9.53mm) Nylo Seal® tubing and all necessary tubing connectors.

Warranty

A two-year limited warranty shall be provided for the lift.

The assisted access lift and its accessory items shall be as manufactured by Spectrum Aquatics®.

Lift shall be the Yellowstone, part number 28411.

Anchor assembly, part number 28406.

Water Box, part number 200400

Spectra-Force™, part number 27028