



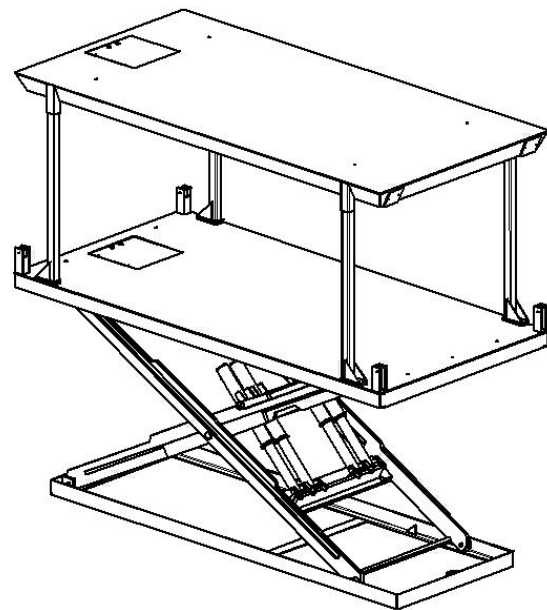
VLS – Subterranean Scissors Parking Lift

A Premier Parking Solution from a Recognized Leader in Scissors Technology and Integration

This robust, more conventional subterranean parking lift design enjoys a long history of success and service in luxury homes across America. The VASARI VLS family of scissors-style residential parking lifts has been perfected and expanded over the years to provide a wide variety of standard, and customized, vehicle lifting solutions. Each of these lifts is designed to meet the safety standards set forth in the nationally recognized code ANSI MH29.1 – Safety Requirements for Industrial Scissors Lifts.

Autoquip has been designing and manufacturing scissors lifts for over 50 years, and the structural equalization and stability of scissors leg design is the most no-nonsense and dependable technologies available. We utilize single high, double high, and double long scissors designs to achieve the highest possible capacities over a wide range of vertical travels and carrier sizes.

The VLS parking system by Autoquip is designed to provide parking or storage of two full sized vehicles/SUVs by vertically stacking them within the same footprint. This underground parking system lowers one vehicle to a lower elevation (basement, pit, etc.) for storage and security. Once lowered, a second vehicle can be driven onto a second, upper “canopy” platform which has occupied the floor opening at street or grade level.





VLS PRODUCT DETAIL

Lift and Canopy Platforms

Material & Construction

- Both decks have the same overall dimensions and are constructed of smooth steel deck plate with structural steel channel support members welded to the underside to provide 3:1 structural factor of safety.
- Canopy deck is provided with full perimeter beveled toe guards slanting inward at an angle of approximately 30 degrees from vertical.
- Maintenance devices (4) are stored on the carriage deck and easily fit into sockets located on the deck surface – for safe inspection & maintenance of the lift.
- Lower deck is provided with a removable maintenance access panel

Lift Stabilization

Structural

- The two decks are separated by four (4) structural steel tube posts which bolt to the top of the carriage deck and slip into square steel pockets in the bottom of the canopy deck – quick and easy. The standoffs may be shortened in the field to accommodate garage floor slopes up to 1/4" on 12" run. Field welding is required once alignment and leveling is complete for optimum canopy stability.
- The lift deck is supported & stabilized by solid steel scissors legs & leg stiffener bars – no need to be guided by or braced to surrounding building structure.

Lift Actuation and Controls

Power Unit

- Remote 5 HP - 230V - 1PH - 60CY Heavy Duty motor mounted to an 11 gallon steel reservoir (oil by others).

Hydraulic Circuit

- Either (2) or (4) hydraulic cylinders (depending on model) with chromed rods. Velocity fuses are installed on each cylinder to prevent uncontrolled descent in the unlikely event of a sudden hydraulic line or fitting failure.
- Cylinder connection hosing runs from the power unit to a coupling in the hinged end of the lift base.
- Adjustable, hydraulic Up-Stop Valve automatically shuts off supply of oil to the lifting cylinders once the desired raised height of the lift is reached.

Electrical Controls (shipped loose)

- NEMA-1 control panel, with motor starter, overloads, and 24VAC control transformer pre-wired to a terminal strip.
- (1) NEMA-4 (weatherproof) constant pressure "UP-DOWN" operator push button station, wall mounted
- (1) NEMA-12 security key switch station, wall mounted

Warranty

- Labor – (1) year
- Parts – (2) years
- Structure – (10) years

VLS General Specifications

Vertical Travel (in.)	Lifting Capacity (lbs.)	VASARI Model	Standard Platform w/BTG (in.)	Max Axle Load (lbs)	Lowered Height (in.)	Up Speed (sec)	Down Speed (sec)	HP / GPM	# of Rams	Ship Wt. (lbs.)	Floor Press. (psi)
96	7,000	96VLS70	108 x 216	4,000	17.25	107	54	5 / 2.25	4	14,000	146
108	7,000	108VLS70	108 x 216	4,000	17.25	120	60	5 / 2.25	4	14,000	146
120	7,000	120VLS70	108 x 216	4,000	17.25	134	67	5 / 2.25	4	14,000	146
132	7,000	132VLS70	108 x 216	4,000	27	325	162	5 / 2.25	4	16,200	81
144	7,000	144VLS70	108 x 224	4,000	29	326	163	5 / 2.25	4	17,000	83
156	7,000	156VLS70	108 x 246	4,000	29	435	220	5 / 2.25	4	18,100	87
168	7,000	168VLS70	108 x 216	4,000	34	340	170	5 / 2.25	2	15,000	153
180	7,000	180VLS70	108 x 216	4,000	34	360	180	5 / 2.25	2	15,000	153
192	7,000	192VLS70	108 x 216	4,000	34	390	190	5 / 2.25	2	15,000	153

Available Options

- Custom Platform Sizes
- Custom Lift Finishes and Colors
- Detachable Canopy (for low ceiling/high travel)
- “Panic” Emergency Stop Pushbutton Station
- Digital Keypad Security Lock-out
- Perimeter Sealing Brushes
- Lift Motion Audible Alarms and/or Flashing Lights
- Motion Sensors
- Security Cameras
- Vehicle-Present Sensors
- Door Interlock Kits
- 7.5/10HP/230V/1ph Power Unit, or 5HP/230V/3PH Power Unit with Phase Converter (faster lift speeds)
- Ultrasonic red/green/yellow car position indicator (not integrated to lift control)
- Removable maintenance access panel recessed in upper deck surface.

