Discover how Challenger Lifts is powering the car lifts industry into a more environmentally friendly future with AquaVantage™.

AquaVantage™ I realGREEN™ I EnviroLift® I Challenger Lifts

EnviroLift® with AquaVantage™

- The world's most environmentally friendly lift
- Like no other
- Runs on Air & Water
- No Electric Motors
- No high-pressure cylinders
- Precision manufactured
- Service accessible from above ground
- Pressure tested components
- Less moving parts = fewer replacement parts
- Less expensive to install and maintain
- Lower cost of ownership
- Cutting-edge patented technology
- Better Performance
- Showroom Look
- Better Bottom Line

Challenger Lifts

The AV1020series Inground Car Lifts from Challenger Lifts: We're not just lifting vehicles. We're raising the standards for the entire automotive lifts industry.

The **most environmentally friendly** car lift on the market that's designed to **save you money** and **outperform the competition**.

- Why AquaVantage?
- How Do AquaVantage Car Lifts Work?
- Power Control Configurations
- Servicing Made Easy
- Features and Benefits
- Environmental Considerations
- Compressors
- Low Cost of Ownership

EnviroLift® with AquaVantage™

Why AquaVantage™?

The AV1020series inground car lifts are designed under the philosophy that less is more. By harnessing the power of our planet's two most abundant and clean natural resources – air and water – we've created an earth-friendly car lift premised on simplicity. Our AquaVantage car lifts represent the logical evolutionary leap in sustainability while eliminating operating costs associated with electricity and hydraulic oil.

With no high pressure cylinders, a fully contained recycled polymer cassette tub, fewer moving parts, and lifting mechanisms that are service accessible from the surface, you get a more productive service bay with an overall lower cost of ownership. And since it's powered by the air pressure you already have, there are no noisy, energy-consuming motors.

From the first steps of manufacturing to the final assembly and installation to green sustainability, each AquaVantage automotive lift is resurrected from the best design, materials and workmanship, resulting in a better bottom line. These auto lifts are precision manufactured – meeting strict ANSI industry standards and carrying the ALI/ETL Gold Label – with each lift component being rigorously pressure tested. They are less expensive to install and maintain and feature ergonomic pneumatic lift power controls.
The moment you see its gleaming pistons rise from the floor you'll understand why it's a better solution to lifting. Its advantages are clear as water.

Discover how the first realGREEN® car lifts look better, run cheaper and outperform their traditional inground counterparts.

With a design this simple and efficient, we've decided to make some cuts:

- No electric motor.
- No hydraulic oil or bio-fluids.
- No high pressure cylinders to replace.
- Less moving parts, meaning less replacement parts.
- Less grease and labor.
- Smaller footprint on the planet and in your garage.

How Do AquaVantage Car Lifts Work?

AquaVantage car lifts utilize our two most abundant, inexpensive and green natural resources: air and water. The benefits of stripping electrical motors, oil, ATF fluid and bio-fluid from the equation go far beyond savings, although return on investment is heavily impacted by the design simplicity, size and operational efficiency of AquaVantage car lifts. Additionally, AquaVantage lift operators will never have to worry about issues with federal (EPA), state or local regulations regarding the disposal of fluids.

The AquaVantage lift realGREEN design also functions similarly to the traditional low-pressure, high-oil volume lifts of yesterday, resulting in superior safety, reliability, productivity, performance and eco-friendly benefits.

Raising the Lift

Compressed air is forced into the base of each cylinder, opening the air actuated water valves. This forces the water in the internal reservoir piston to flow into the larger lifting piston, resulting in positive rise.

Lowering the Lift

Compressed air opens the air actuated water valves and the air in the internal reservoir piston is exhausted, allowing the water to travel from the lifting piston back to the internal reservoir piston, resulting in descent.

Power Control Configurations

Since our AquaVantage car lifts run on air and tap water, there are no electrical motors and no petroleum or vegetable-based hydraulic oils that become rancid after time. This makes the lift's power controls truly unique and user-friendly. The power controls can be mounted directly to any workbench face or inside the cabinet (behind the workbench) for a hidden, integrated look.

The AquaVantage inground car lift includes these standard power control unit features:

- Convenient, simple pneumatic up and down switching
- Integrated air pressure gauge
- Keyed lockout safety feature
- Standard wall mount design, integrated bench design, or cabinet mount for concealed unobtrusive look

Servicing Made Easy

All AquaVantage car lift components are within arm’s reach, meaning they are service accessible by simply removing the cover plate.

Find easy access to:

- Lock release
- Air actuated water valve
- Control valve
- Air fitting
- Grease points

Features and Benefits

1. **Patented AquaVantage Technology runs on air and water:** Provides an energy efficient lifting solution that's the leading environmentally friendly automotive lift on the market.
2. **Comes with a recycled polymer cassette tub and requires no electric motor or hydraulic oil:** The only realGREEN sustainable earth friendly lift product.
3. **Large 8 ¼" double walled, anodized aluminum pistons:** Provides stability, corrosion resistance and a clean, showroom appearance.
4. **Air actuated water control valve:** Allows for positive ascent and descent.
5. **80" rise:** Provides maximum headroom for working underneath vehicles.
6. **3-stage front and rear arms or Drive on Fixed Pad with 4-way adjustable sliders:** Provides maximum arm retraction and reach to accommodate wide body sport cars and longer wheelbase vehicles.
7. **87" wide drive-thru:** Accommodates wider vehicles, minimizes tire pinching and provides easy drive-on.
8. **Double telescoping screw pads:** Reach multiple vehicle pickup point heights reducing the need for adapters.
9. **Simple, surface accessible lifting component maintenance design:** Provides access to all lifting components without excavation, allowing routine maintenance at surface level.
10. **Drive-over recessed hex bolts:** Minimizes tire damage.

Optional Feature:

StayDry: Pneumatically powered from the existing air supply, the StayDry automatically removes any accumulated condensate from the floor of the lift containment system each time the lift operator lowers the lift. An internal mounted flojet pump quietly removes liquid out through a chase tube.

Environmental Considerations

Interested in helping protect the environment? Looking to acquire LEED® certification for a new build or remodel? Our exclusive patented realGREEN™ lifting technology is more energy efficient than traditional electric/oil hydraulic lifts, making it a clear choice for green projects.

Unlike some green products, there's no compromise in performance and reliability. AquaVantage has a faster speed of ascent and rises taller and quieter than traditional electric/oil inground auto lifts.

Discover why AquaVantage lifts are the best automotive lifting solution – good for your Bottom Line & the Environment.

EnviroLift® with AquaVantage™

realGREEN™ earth friendly product

Compressors

AquaVantage car lifts have been installed with these major air compressor brands. If you'd like more information on air requirements, contact a Challenger Lifts representative.

- Champion
- IngersollRand
- Kaeser Compresores
- Saylor-Beall

Lower Cost of Ownership

According to the National Automobile Dealers Association (Based on NADA Avg. Dealership Profile = 18 lifts), each AquaVantage EnviroLift offers new construction installation savings, including:

- No 25 amp dedicated electrical circuit for each lift at installation
- No electrical conduit, copper wire, or electrical labor to install

  Avg Cost per Lift = $1,350.00
  = $24,300.00 savings

- Water is 450 times less expensive than hydraulic oil and bio-fluid costs three times as much as petroleum oil

  15 quarts hydraulic oil per lift = $37.50
  vs. 25 gallons water per lift = $0.083
  = $673.50 savings

- No hydraulic hoses – air lines are factory furnished with each AquaVantage lift

  = $1,530.00 savings

  $26,503.50
  18 lift bay estimated installation savings

Awards & Accolades

- Motor Magazine Top 20 Tool Winner
- Undercar Digest 2010 Top 10 Tool Winner
- Undercar Digest 2009 Top 10 Tool Winner
- Showcased in Fixed Ops Magazine, Vol. 6, No.1, January 2009
- ALI/ETL Certified

Contact Us

Challenger Lifts has been leading car lifts innovation for over 28 years. In addition to creating the industry's first realGreen™ AquaVantage™ car lifts – the first 100% environmentally friendly lifts to run exclusively on air and water – we've also pioneered versymmetric® lifting technology, now an industry standard.

Contact a Challenger Lifts representative today with questions and let us put our award-winning innovation to work for your business. 800-648-5438