



THE SEVERE-SERVICE STANDARD IN VALVE AUTOMATION



ACTUATORS



CONTROLS



POWER SYSTEMS





## NEW, HIGHER STANDARD FROM ATI

Automation Technology, Inc. was founded in 1995 in Industry, Texas. In addition to the original facility in Industry, ATI has an assembly and sales facility in Houston, Texas. This second facility also houses our research and development lab, where we are constantly improving and adding products to our portfolio of solutions.

Since the beginning, ATI has focused on the customer by solving automation problems. ATI is a manufacturer of linear valve piston actuators, controls systems, and power systems. Through this integrated approach to automation, ATI has been able to establish a reputation for turnkey, adaptable designs that our customers value. Our sales team can provide a quote in less than a day.



## ATI CORE VALUES

### ATI ADAPTABILITY

ATI makes its actuators adaptable to the top works of any rising stem valve. In service, the actuator marries up with the valve perfectly, for smooth vertical movement and reduced stress on the operating system. We ensure that our actuators can adapt to both old and new equipment.

### ATI RELIABILITY

We take failure-proofing seriously. Our actuators are custom-built and structurally made for severe-service. Structural members are designed with more steel for a 400% safety factor. This is where ATI reliability is worth every penny.

### ATI QUALITY

ATI manufacturing quality and rigorous tolerance control lead to extremely well-built valve automation products. Actuators are ASME III approved for nuclear regulatory quality specifications. With more than 10,000 units worldwide and an exceptional performance track record, ATI has built a strong industry standing.

***“One ATI record demonstrates our valve automation value in terms of time-in-service. Less than half of one penny per dollar of sales is spent on warranties. ATI automation quality is one of the best risk-reduction strategies you can use to extend your process control system’s operating life.”***

## THREE PRODUCT LINES FOR INTEGRATED SOLUTIONS

### ATI VALVE ACTUATORS

ATI piston actuators are used on all types of rising stem valves including gate valves, globe valves and rising stem ball valves. We offer both pneumatic and hydraulic actuators in spring-return and double-acting varieties depending on the failure mode specified. In addition, we offer a full line of manual overrides.

### ATI CONTROLS

ATI offers its own proprietary line of control systems with a superb track record. We also offer control systems from well-known and commonly specified manufacturers. Our brackets are custom designed to accommodate all controls needed to achieve proper valve automation. Leading control valve manufacturers rely on ATI actuators for precise positioning in critical applications.

### ATI POWER SYSTEMS

With ATI power systems, you will never be restricted by your available power source. We accommodate all power sources – even all actuators. We can also amplify the power, which can reduce the actuator size to provide a more cost-effective actuator solution. ATI power systems can be seamlessly integrated with ATI control systems to provide a total package.

**SAME-DAY QUOTE: 979.357.2570**  
**OR VISIT [WWW.ATIACTUATORS.COM](http://WWW.ATIACTUATORS.COM)**

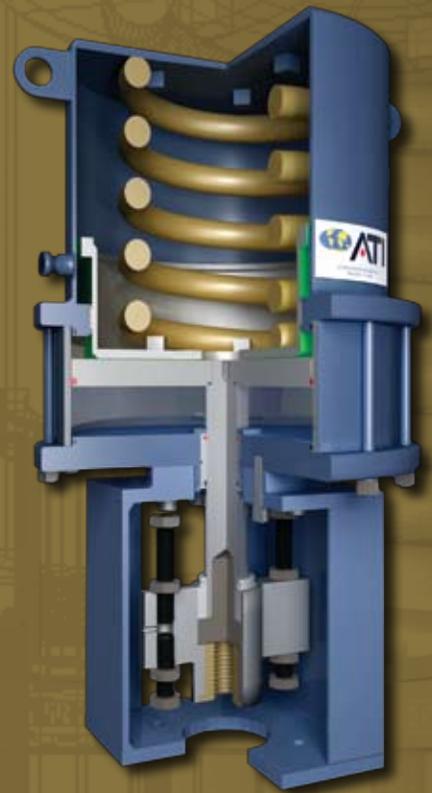


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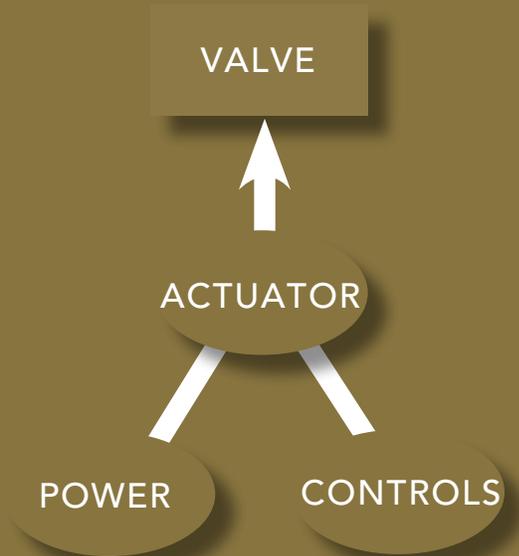
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## ATI INTEGRATED SOLUTIONS



# ATI PRODUCT AND SOLUTIONS

## ATI ACTUATORS

### LINEAR PNEUMATIC ACTUATORS

Our L & HDL series are piston operated valve actuators that use air pressure or natural gas to provide the force required to open, close and control rising stem valves.

Max. working pressure up to 150 psi. Max. thrust available 216,676 lbs.



*Unit after unit, time after time, ATI actuators offer exceptional dependability.*

### LINEAR HYDRAULIC ACTUATORS

Our H & HDH series are piston operated valve actuators that use hydraulic pressure or high pressure gas to provide the force required to open, close and control rising stem valves.

Max. working pressure up to 5,000 psi. Max. thrust available 573,027 lbs.



*ATI adapts its systems to yours, even helping older plants meet today's demands.*



*Linear Pneumatic Spring Return*



*Linear Pneumatic Double Acting*



*Linear Hydraulic Spring Return*



*Linear Hydraulic Double Acting*

## ATI PERFORMANCE HIGHLIGHTS

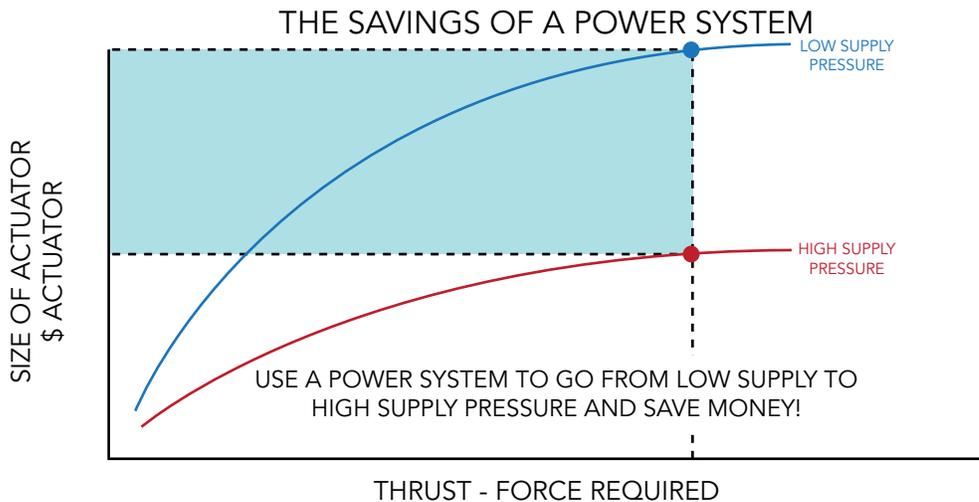
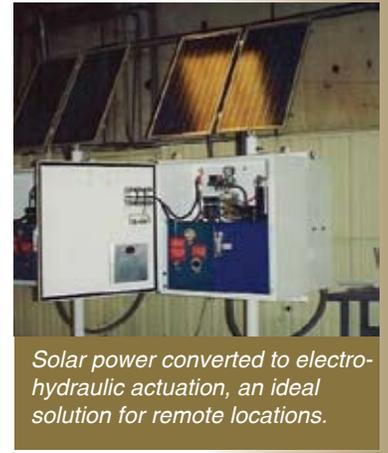
- Our pneumatic actuators are perfect for control valves. With smooth operation from speeds as slow as .012 inches per second to speeds as fast as 14 inches in 400 milliseconds.
- Our hydraulic actuators can be effectively used for control valve applications especially when it incorporates the ATI hydraulic positioning system.
- The adaptable nature of our design allows you to automate valves in place without shutting the plant down.

***ATI adapts to a variety of valves from very small ones to large ones like the gate valve shown here.***



# ATI POWER SYSTEMS

Every actuator needs power: air or hydraulic fluid pressure, electrical, solar, etc. With ATI's products, you will never be restricted by your available power source. We accommodate all power sources. For example, if you only have electric power available, we can convert it to hydraulic or pneumatic power to operate any actuator. We also amplify the power in order to provide a more cost effective solution for you (see figure below.) This can be especially important when the application has space limitations.



# ATI CONTROL SYSTEMS

To complement the actuator, ATI offers a full line of control systems from well known and commonly specified manufacturers.

Our design team carefully reviews the specifications to ensure that the final offering satisfies the necessary codes and regulations from FM to ATEX, all classes and divisions, and the proper enclosure ratings.

We custom design each bracket to accommodate all controls needed to achieve proper valve automation.

In addition, ATI has its own proprietary line of control systems with a superb track record. Leading control valve manufacturers rely on ATI actuators for precise positioning in critical applications.



# SUPPLY CHAIN



## CUSTOMERS

### Valve Automation Centers and Distributors

- Our skilled team of designers will work with you to offer your customer a solution that saves money and achieves its performance goal.
- ATI is your turnaround partner. We understand the challenges of maintaining plant efficiency and building new capacity. This requires an automation partner that can adapt to older valves, convert and amplify power systems, and reverse-design better control scenarios to replace outdated assemblies.

*One recent example, involved a gas plant in Louisiana. ATI was called in to replace older hydraulic actuators from the 1970's that were no longer available in the marketplace. Our design team representative visited the site, made all the necessary measurements, and designed a solution to replace all the outdated equipment. This has eliminated leaks and decreased maintenance costs for the plant.*

### Valve Manufacturers

ATI has built very strong relationships with manufacturers. The challenges facing manufacturers is sometimes different than those facing distributors. In the design of our actuators, we strive to preserve the engineering and brand identity that goes into the design of the valve.

- 40% of ATI's actuators are used in control valve applications
- High thrust, precise control, fast response
- Globe valves, choke valves, special trim, cage guided, etc.

## INDUSTRY SOLUTIONS

- Turbine bypass
- Feedwater
- Steam control
- Level control
- Pressure reducing and letdown
- Nuclear rated
- LNG regasifying valve actuators
- Anti-surge valve actuators with cushions
- Emergency shutdown spring return actuators
- Gas pipelines, remote installation, using solar power and telemetry
- Severe-service installations



# APPLICATIONS

1. HDH Spring Return Retract/Surge Control
2. Pneumatic Double Acting on Thru Conduit Valve
3. HDH Double Acting on 24" Valve w/ Operating Time of 3 seconds
4. HDL Spring Return Extend w/ Hydraulic Manual Override
5. Linear Pneumatic Spring Return Control Valve Actuators
6. Self Contained Hydraulic
7. Linear Pneumatic Spring Return Actuators for LNG Facility
8. HDH Spring Return Explosion Proof
9. HDL Spring Return Extended w/ Saddle Mounted Bracket
10. 42" HDL Double Acting
11. Hydraulic Actuators & Controls for Jet Test Stand
12. Electro-Hydraulic (on/off)
13. Double Acting Actuators on Knife Gate Valves
14. Double Acting Actuators Ready for Shipment
15. HDL Spring Return Retract
16. HDL Double Acting on Tank Bottom Valve
17. Large Double Acting Actuators on Thru Conduit Gate Valves
18. Pneumatic Air Motor Driving Hydraulic Actuator



WE TAKE  
YOU  
FROM THIS



TO THIS  
IN ONE  
EASY STEP!

## SAME DAY QUOTE

Visit [www.atiaactuators.com](http://www.atiaactuators.com) to receive a same day quote from ATI. Consider the following actuator sizing information when placing your order:

- **THE THRUST**  
The amount of force required from the actuator to open and close the valve. Just give us the valve class and type and we can calculate the thrust.
- **THE STROKE**  
The stroke of the valve.
- **THE POWER SOURCE**  
ATI can accommodate any power source; air, hydraulic, electric, solar, etc.
- **THE FAILURE MODE**  
Fail closed, fail open, fail last, etc.

If you are unsure of your needs, a sales representative will be happy to assist you in finding the right solution. Call us today, 979-353-2570 and let's work the problem. ATI also provides valve actuator training at our facility or yours.



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