

## Decrease production downtime by using a compact valve with the best cycle life in the market!

### FEATURES

- Controls high pressures with low actuation energy
- Balanced valve stem enables low actuation pressure
- Highly reliable with an exceptional cycle life
- Easy to maintain due to in-line serviceability
- Low cost of ownership
- Lightweight, compact and robust design
- Suitable for manifolds, reduced fitting and leak paths



## Automotive Component Manufacturing & Testing

High cycle valve in gas spring filling



VA Valve  
Solenoid Driven

For more information about this product, visit our website.

### APPLICATION

A leading automotive component manufacturer in the United States was looking for a production improvement in their gas spring production line. The application requires filling the gas chamber and then pressurizing to create the required operational force. The controlling test benches require 4 valves each, raising the proofing pressure for the gas spring up to 6,000 psig / 414 bar.

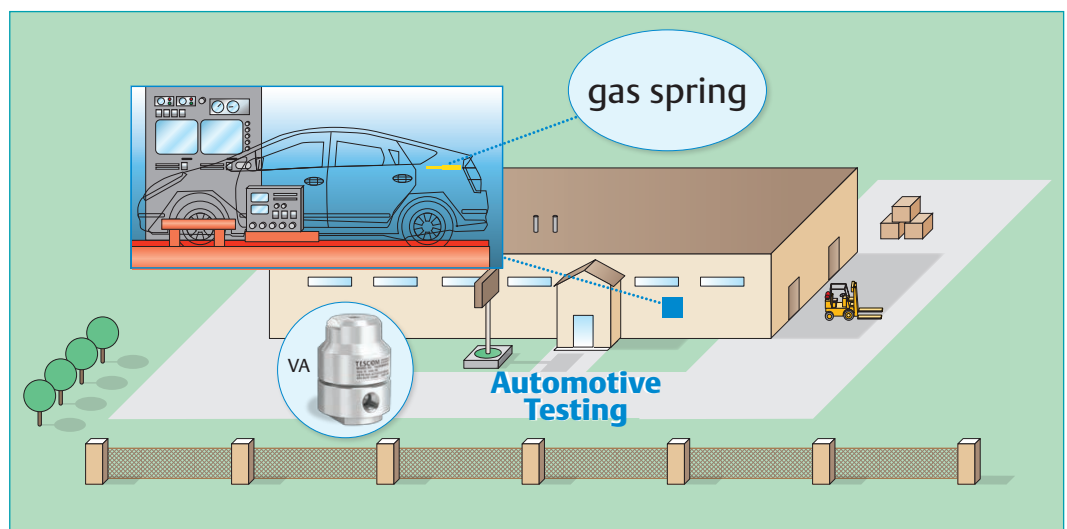
### CHALLENGE

A competitor's valve used in this application was repeatedly failing approximately every two months. The valve's stem would fatigue (twisting and breaking), requiring the units to be removed from the system for service. Production downtime significantly affected their business as the test stands work 24 hours per day, 7 days per week.

With high-volume production, this recurring problem dramatically increased the cost of service and replacement, creating a negative impact on their business profitability.

### SOLUTION

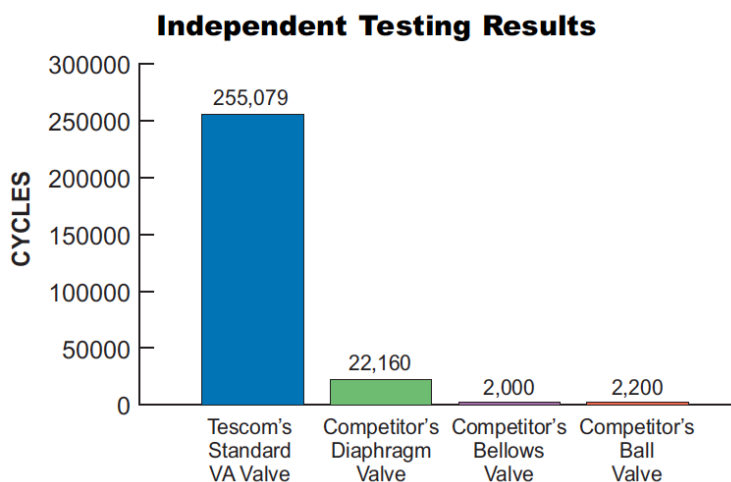
TESCOM recommended a highly reliable and compact valve that will beat the challenge: the VA Series valve.



The VA Series high pressure valve was easy to retrofit into the existing system due to its compact size while providing the customer with significantly longer service life.

VA Series valve is highly reliable with an exceptionally long cycle life (250,000+ cycles) due to balanced valve, non-rotating poppet, valve stem and linear actuation. In an independent test, the VA valve achieved over 250,000 cycles: 128 times greater than the leading brand's competing valve designs.

The robust design of the VA valve provides extended life between service intervals reducing production downtime. When servicing of the valve is required, it can be accomplished in-line, without breaking inlet and outlet connections. When properly equipped with a replacement valve cartridge, servicing the valve can be conducted in less than one minute, keeping production equipment active. The replaced valve cartridge can then be serviced when convenient.



## PROVEN RESULTS

TESCOM's VA valves installed in the customer production stands:

- Reduced maintenance labor cost
- Reduced maintenance inventory
- Reduced downtime frequency (down less)
- Reduced downtime duration

**Small valve, BIG results!**

For more information  
about this product,  
visit our website.

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