



Measurement Solutions,  
**Global Leader.**

## ATEQ - **AUTOMOTIVE**

ATEQ provides a variety of instrument for flow analysis and supplies automotive leak detection equipment. We have many Tier 1 suppliers that utilize our testers to confirm that the parts supplied to their OEM (Original Equipment Manufacturers) clients meet their specifications.

The guidelines they receive will include the acceptable variances for the size of the components, and also the allowable leak tolerances and flow capacity.

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*"To be a passionate global leader of innovative measurement solutions by providing premium testing equipment and unsurpassed services to our valued customers and partners."*





## MOTOR APPLICATIONS

ATEQ can provide leak and flow testing solutions for your motor applications at every step of production.

- ✓ Intake manifold
- ✓ Head
- ✓ Block
- ✓ Turbo

### F620

By far the most popular technology, differential pressure decay uses a reference volume to test your part. This helps compensate for any ambient pressure or temperature variations as they occur on both parts simultaneously.

Only a leak on the test part will result in a movement of our transducer's membrane.

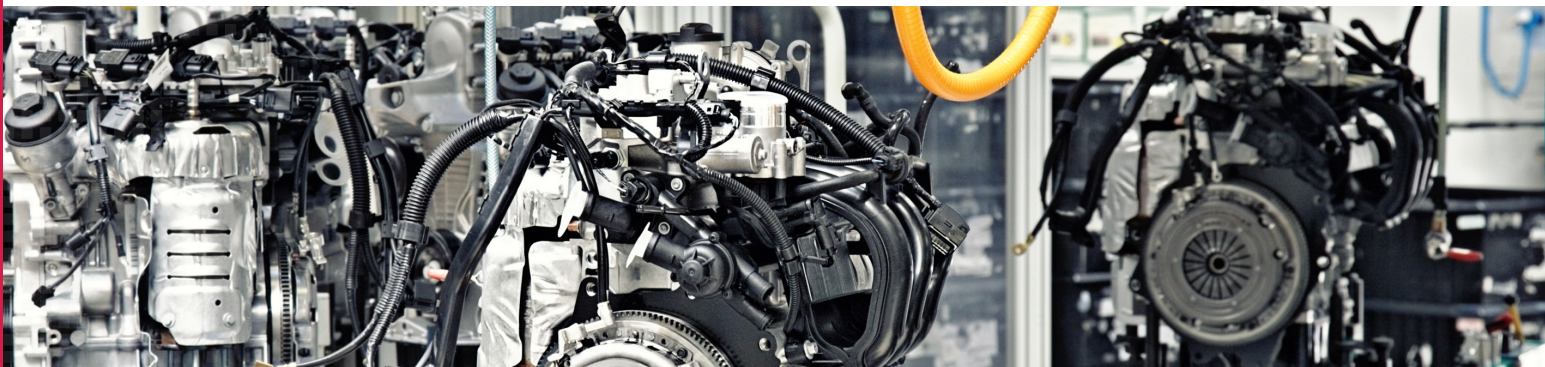
#### — F620 FEATURES

- ✓ Differential pressure decay leak measurement
- ✓ Large range of leak measurement ( P ) F.S.: 20Pa, 50 Δ
- ✓ Pa, 500 Pa or 5000 Pa
- ✓ Mechanical or electronic regulator from vacuum to 20 bar
- ✓ 128 programs
- ✓ Setting on line (via USB)
- ✓ 2 languages (English + other one)
- ✓ Manual calibration on front panel with calibrated leak
- ✓ Data storage on internal memory or USB key



### F620

- + Large color display
- + Maximum performance
- + Multiple communication





## EXHAUST APPLICATIONS

ATEQ can provide flow testing solutions for your exhaust applications at every step of production.



- ✓ Complete
- ✓ Quiet
- ✓ Catalytic converter

### D620

Sometimes a leak can be considered as a “small flow”, or a flow as a “big leak”. When your reject level is too high for other technologies, it may be necessary to use a laminar flow tester. A flow takes place between the pressure line and the leak hole of the part. Our instrument features a laminar flow element across which our differential pressure transducer is connected.

#### — D620 FEATURES

- ✓ Flow measurement in direct or indirect testing
- ✓ Continuous measuring mode
- ✓ Wide flow measurement range
- ✓ USA, S.I. and customer units
- ✓ Measurement in standard or customised conditions
- ✓ Recalculated flow at the nominal pressure
- ✓ Measurement element fully integrated into one module
- ✓ 128 programs
- ✓ Mechanical or electronic regulator from vacuum to 10 bar
- ✓ Setting on line (via USB)
- ✓ 2 languages (English + other one)
- ✓ Manual calibration on front panel with calibrated leak
- ✓ Data storage on internal memory or USB key



### D620

- + Large color display
- + Maximum performance
- + Multiple communication



## TRANSMISSION HOUSING APPLICATIONS

ATEQ can provide leak testing solutions for your transmission housing applications at every step of production.

- ✓ Component
- ✓ Assembly

### F600

Inside can be found the latest leak testing technics and technology to improve your quality control thanks to its renewed electronic module, measurement module, interface, accessories...

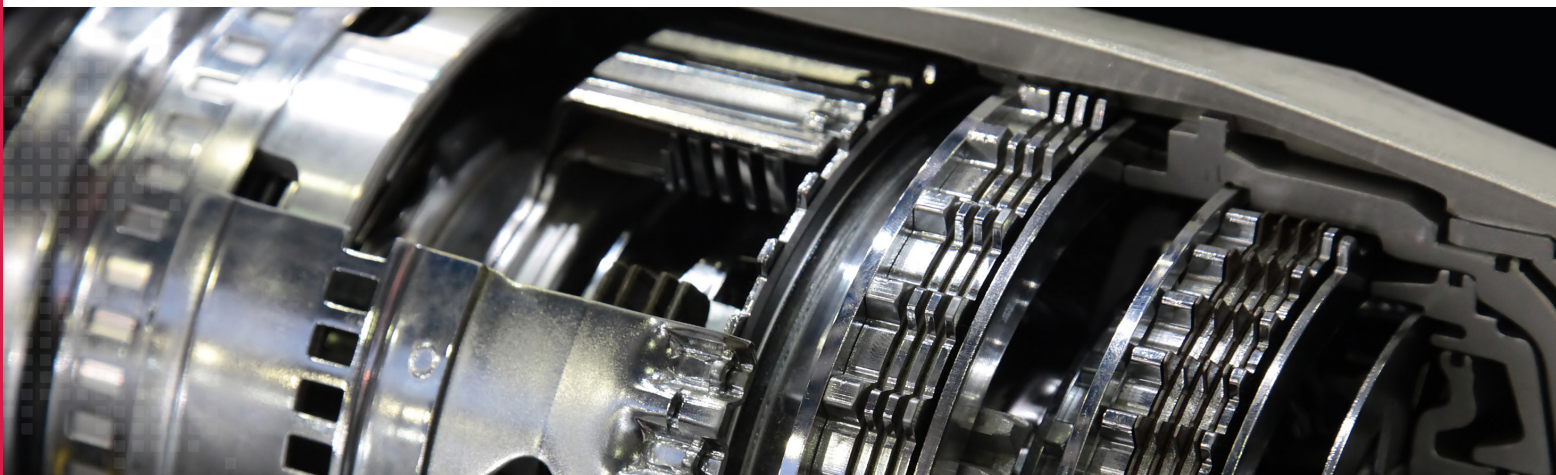
#### — F600 FEATURES

- ✓ Pressure decay leak measurement
- ✓ Mechanical or electronic regulator from vacuum to 20 bar
- ✓ 128 programs
- ✓ Setting on line (via USB)
- ✓ 2 languages (English + other one)
- ✓ Manual calibration on front panel with calibrated leak
- ✓ Data storage on internal memory or USB key



### F600

- + Large color display
- + Excellent value
- + Simplified set up





## IONIQ 20

On the basis of its well proven concept of production line QC Testers, ATEQ has developed a new leak tester designed for the specific requirements of high volume production of plastic parts. This instrument is used for the detection of localized moulding faults, insufficient membrane thickness, perforations, etc.



### IONIQ 20 FEATURES

- ✓ Integrated ionising high voltage generator (5 to 27.3 kV)
- ✓ Reject levels as % of nominal voltage (0 to 100%)
- ✓ Monitoring and protection of high voltage generator
- ✓ Limitation of the current rating
- ✓ Speed: Minimum cycle time 0.6s
- ✓ I/O's for instrument control and results
- ✓ 32 programs
- ✓ Remote control allows the test module to be closed to the test part
- ✓ And: Language selection, customization of test ...



### IONIQ 20

- + 1 to 3 simultaneous test channels
- + Display 1 to 3 channels
- + For industrial line and laboratory



Leak/Flow Detection

We test, You produce.



## OTHER APPLICATIONS

ATEQ can provide leak and testing solutions for your automotive applications at every step of production.

- ✓ 4 wheel drive hub locks
- ✓ Automotive air conditioning components
- ✓ Automotive brake calipers
- ✓ Automotive radiators
- ✓ Miniature plastic valves
- ✓ Torque converter housing
- ✓ Fuel lines
- ✓ Brake lines

### OUR RECOMMENDED PRODUCTS

F620



D620



F600





## TYPES OF TESTS & TESTED PARTS



Types of tests	Tested parts		
LEAK TEST	Air spring Ball bearing Brake caliper Brake tubes Catalytic exhaust Clutch cover Cylinder block Engine cylinder head Shirt Delco Head Transmission housing Engine block Engine seals Exhaust manifold Exhaust Fuel tank cap Gasoline filter Gas tank float Petrol tank	Gas tank Gearbox Gearbox housing Headlights Headlight ramp Radiator High pressure fuel circuit Honk Hydraulic transmission Injection ramp Intake manifold Valve Valve pad Jerrycan Mechanical transmission Oil pan Oil dipstick Oil cooler Lip seal	Petrol tank Pneumatic connections Pneumatic transmission Rubber tubing Shock spheres Damper valve Quiet Speed variator Oil seal for Camshaft Oil seal for crankshaft Cylinder head oil seal Engine oil seal Power steering Complete fuel circuit Turbo compressor Water circuit Water float Water pump
LEAKAGE & FLOW TEST	ABS braking circuit Camshaft cap Carburetor Casting parts Complete fuel circuit	Diesel filter Fuel gauge Gasoline injector Gasoline hoses Gas pump	Hydraulic pump Low pressure fuel circuit Oil circuit Oil filter Thermo switch
FLOW TEST	Air filter	Conical seal	Flow valve I
LEAKAGE & FLOW & ELECTRICAL TEST	Battery	Diesel & Gasoline injector	Petrol injection circuit
LEAKAGE & FLOW & PRESSURE TEST	Pressure switch		
LEAKAGE & FLOW & MULTI-TESTS	Shock absorber		
LEAKAGE & PRESSURE TEST	Brake system		
LEAKAGE & VOLUME TEST	Engine combustion chamber		
LEAKAGE & ELECTRICAL TEST	Engine spark plug		
VOLUME TESTING	Piston		





## TIRE APPLICATIONS

ATEQ has launched its pressure testing technologies into the automotive world based on the new and increasingly popular technology of tyre pressure sensors, TPMS monitoring equipment, for production lines from small to large manufacturing plants.

VT65



VT66



VT620



VT520







## EDUCATIONAL LEAK TESTING RESOURCES



ATEQ's Leak Testing Academy is committed to providing educational industrial leak testing information through training courses, white papers, articles, videos and application studies.

### — CALCULATOR

Our Leak Calculator simulates gas and liquid flow across an orifice given its approximate geometry, integrating laminar, turbulent and sonic regime contributions as well as membrane tension blocking. Please contact ATEQ's worldwide support team for a consultation to plan a custom leak testing solution.



### — FAQs

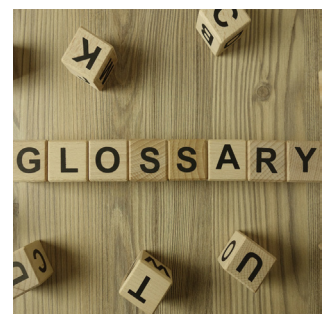
- How does volume relate to pressure in the leak testing industry?
- What values are typically considered low and high in the leak testing industry?
- How does a differential pressure sensor bend to show if the test or reference part is leaking?
- A question?

Learn the answers to these questions and more from ATEQ's Leak Testing Academy.

**ATEQ has the answer!**

Visit [ateq.com](http://ateq.com) for white papers, videos and more educational content.

**CONTACT YOUR LOCAL ATEQ OFFICE**  
for information about training courses.

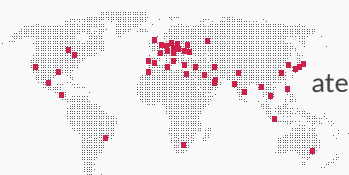




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scan this QR code !"



ATEQ strives to continuously improve the industrial ecosystem through  
respect integrity, security, green technologies  
and the use of materials and recyclable components.



[ateq.com](http://ateq.com)

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