

# We test, You produce

## D670 HIGH SPEED FLOW TESTER

After 45 years, and 275,000 testers installed in more than 5,000 customers worldwide, ATEQ presents its revolutionary flow tester: **D670**.

New electronic module, new measurement module, new interface, new accessories... All has been made to improve your quality control.

And yet, inside can be found the latest leak testing technics and technology that will guarantee you the fastest and most accurate leak testing cycle on the market.

### Highlights

- LARGE COLOR DISPLAY
- MAXIMUM PERFORMANCE
- MULTIPLE COMMUNICATION
- STANDARD INDUSTRIEL FORMAT



### Applications



**FLOW CONTROL**  
cookers, ovens, valve, gas taps, gas burners, lighters...



**LEAK DETECTION**  
Valve seats, gear boxes, hydraulic components, motors...



**CONTROL**  
of aerosols, injectors...



# D670

## HIGH SPEED FLOW TESTER

### Measurement ranges

FLOW MEASUREMENT		
Range l/h	Accuracy	Max. resolution l/h
1	± (2.5%F + 0.001l/h)	0.0001
5	± (2.5%F + 0.005 l/h)	0.0001
30	± (2.5%F + 0.03 l/h)	0.001
80	± (2.5%F + 0.08 l/h)	0.001
150	± (2.5%F + 0.15l/h)	0.01
500	± (2.5%F + 0.5 l/h)	0.01
1.500	± (2.5%F + 1.5 l/h)	0.1
4.000	± (2.5%F + 4 l/h)	0.1
10.000	± (2.5%F + 10l/h)	1

F=Flow

### Main 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

### Environment

- ROHS standard

### Flexible communication format

- RS232: Printer, modbus RTU
- Slave USB: PC supervision (WinAteq 300, sesame)
- Master USB: USB key to transfert (parameters, results, ...)
- Option Fieldbus: Profibus, devicenet, profinet, Ethernet/IP, Modbus RTU

### Additional:

Time & date, language & units choice, test customisation & more...



D620  
Compact Case



Pneumatic coupler



Master jet



TLC 600  
Remote control



TLC 60  
Remote control

### Technical Specifications

<b>Physical</b>	Weight: 7 kg Dimensions: (WxHxD) 540x160x380 mm
<b>Interface</b>	Graphic color screen with simple and intuitive menu-driven operator controls SMARTKEY: programmable key with user's functions
<b>External electrical supply</b>	100 - 240 V AC / 50 W
<b>Air supply</b>	Clean and dry air required Air quality standard to be applied (ISO 8573-1)
<b>Temperature</b>	Operating: +5°C to +45°C Storage: 0°C to +60°C

### Option

- 9 inputs / 5 local outputs compatible with 5 series instruments
- 6 inputs/ 6 outputs 24 V programmable for external automation
- External capillary: closed to test port
- Electronic regulator
- Double capillary
- Shut off / dumping / by-pass valve
- 2 pneumatic outputs for control of sealing connectors
- Memory card for archiving results (400 000)

### Accessories

- Simple remote control TLC 60 connexion I/O
  - Advanced remote control TLC 600 connexion master USB
  - USB key for parameters access
  - Y valve
  - WinAteq 300 software
  - Leak calibrator
  - Master jets
  - Vacuum pump
  - Sealing connectors
- Please refer to ATEQ accessories list

