

# F570

## Leak detector for automatic and semi-automatic test stations



- ✓ DUAL DISPLAY - LCD AND HIGH VISIBILITY LED'S
- ✓ OPTIMISED MEASUREMENT
- ✓ EASY SET-UP
- ✓ STANDARD INDUSTRIAL FORMAT
- ✓ COMPREHENSIVE SPECIFICATIONS

### 5 SERIES

*S*pecially adapted for automatic or semi-automatic test stations. The **F570** comes with a high level of specifications as standard together with the latest advances in measurement and operation.

#### Main Features

- Differential pressure decay leak measurement
- 3 ranges of leak measurement ( $\Delta P$ )  
Full scale: 50 Pa or 500 Pa or 5000 Pa
- Test modes:
  - $\Delta P$
  - $\Delta P / \Delta t$
  - Flow units
  - Blockage test
  - and others, depending on your applications
- New, faster system to fill parts
- Manual calibration on front panel with calibrated leak
- 32 programs
- **Serial links:**
  - RS232:** printer P.C. and save modules
  - RS232:** intelligent remote control RC5
  - RS485:** ATEQ network
- Time and date display, choice of languages and units, customisation of tests for your requirements, automatic measurement cycle...

#### Applications



**Automotive:** shock absorbers, gearboxes, tank caps, carburettors, non return valves, cylinder heads, filters, radiators, seals, cylinders, engine oil and water circuits...

**Domestic appliances:** bottles, percolators, cookers, steam irons, ovens, washing machines...

**Medical:** catheters, dialysis equipment, micropipettes, plastic taps, drain bags, syringes, valves...

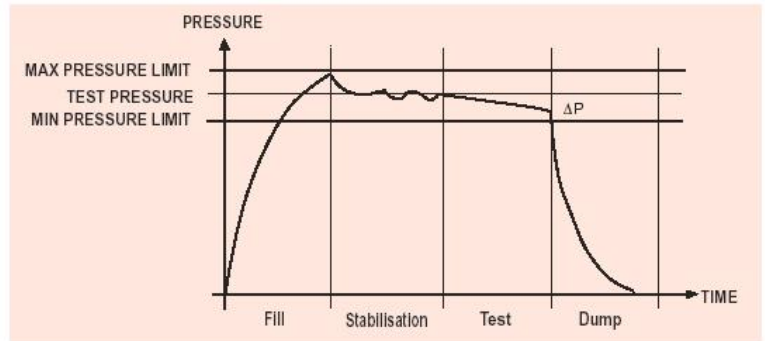
**Packaging:** aerosol cans and valves, trigger pumps, ink cartridges, cosmetic bottles, food sachets...

#### Options

- 7 inputs / 5 outputs
- Electronic regulator
- Dual pressure
- High speed valve
- Y-valve (2 test ports)
- 2 pneumatic outputs for control of sealing connectors
- 6 x 24 V programmable outputs for external connection
- 2 analogue outputs:  
0 - 10 V or 4 - 20 mA
- Automatic calibration check
- Temperature compensation
- Modbus (Fieldbus)

**ATEQ**  
www.ateq.com

## Principle of Measurement



## Measurement Ranges

### TEST PRESSURE MEASUREMENT

RANGE	ACCURACY
P. E. = 75 mbar	$\pm(1.5\%$ of the pressure + 0,2 hPa)
P. E. < 0,3 bar	$\pm(1.5\%$ of the pressure + 1 hPa)
$0,3 \leq P. E. \leq 1$ bar	$\pm(1.5\%$ of the pressure + 3 hPa)
$1 < P. E. \leq 5$ bar	$\pm(1.5\%$ of the pressure + 7.5 hPa)
$5 < P. E. \leq 10$ bar	$\pm(1.5\%$ of the pressure + 15 hPa)
$10 < P. E. \leq 20$ bar	$\pm(1.5\%$ of the pressure + 30 hPa)

### MECHANICAL PRESSURE REGULATION

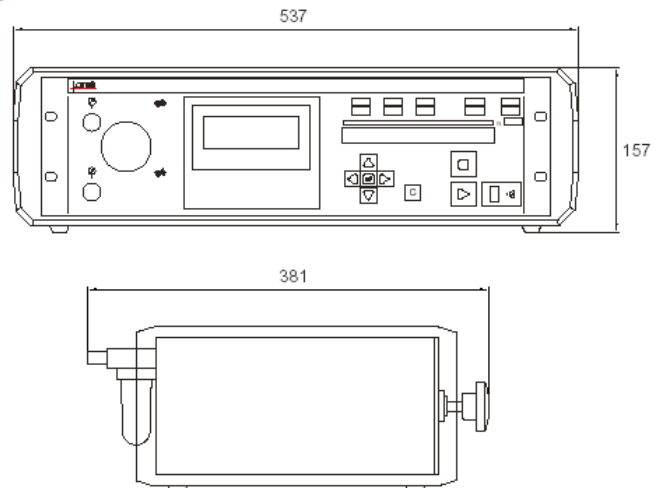
Vacuum / 5 - 50 kPa / 20 - 400 kPa / 50 - 900 kPa

### ELECTRONIC PRESSURE REGULATION

Vacuum / 1 - 10 kPa / 5 - 50 kPa / 20 - 200 kPa / 50 - 500 kPa /  
100 - 1 000 kPa / 100 - 1 600 kPa / 100 - 2 000 kPa

### PRESSURE DROP MEASUREMENT

RANGE	ACCURACY
0 - 50 Pa	$\pm(2\%$ of the pressure + 0.5 Pa)
0 - 500 Pa	$\pm(2.5\%$ of the pressure + 1 Pa)
0 - 5000 Pa	$\pm(2.5\%$ of the pressure + 10 Pa)



## Technical Specifications

### Physical

Weight: approximately 15 kg

### Interface

Navigation keys  
Alphanumeric display 14 digits  
LCD display 4 lines  
Results indicator lights

### External electrical supply

Voltage: 90 - 260 V AC / 1.6 A

### Air supply

Clean and dry air required  
Air quality standard to be applied (ISO 8573-1)

### Temperature

Operating : 0°C to + 45°C  
Storage : 0°C to + 60°C

### Accessories

Start/Reset remote control  
Intelligent remote control  
Printer  
Save modules  
ATEQ software (WINATEQ, S5 DEMO)  
Needle valve  
Calibrated leak  
Filtration kit  
Vacuum pump  
Sealing connectors

Please refer to ATEQ  
accessories list

Specifications subject to change without notice



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