



# C540 + F20

## Central unit and leak detection modules for on-line testing



C540 with 3 different types of module

- ✓ **VERSATILE MOUNTING:**  
PANEL, ON MODULE,  
FREE-STANDING
- ✓ **MULTI-TEST AND  
MULTI-HEAD CONTROL**
- ✓ **COMPACT (1/2 19")**
- ✓ **OPTIMISED MEASUREMENT**

## 5 SERIES

**A**TEQ introduces a new concept for faster and more cost-effective leak tests. One central unit (**ATEQ C540**) controls up to 10 **ATEQ F20**'s, which can be mounted close to the test parts, ensuring the best possible measurement conditions.

### 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
- Outputs and regulation via front or rear front panel
- 64 programs / head
- Manual calibration on front panel with calibrated leak
- **Serial links (C540):**  
**RS232:** printer, results storage module  
**RS232:** P.C. and configuration storage module  
**RS485:** ATEQ network  
**Infra-red:** switch, LFC, P.C...  
**Serial links (F20):**  
**RS232:** printer or P.C. or save modules  
**RS232:** intelligent remote control RC5  
**RS485:** ATEQ network

### 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

C540 : 14 inputs / 14 outputs

F20 : 7 inputs / 5 outputs

LCD display

Electronic regulator

Dual pressure

High speed valve

2 pneumatics 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 converter

**ATEQ**  
www.ateq.com



## User Interface

### CYCLE MENU

Program / special cycle selection

### PARAMETER MENU

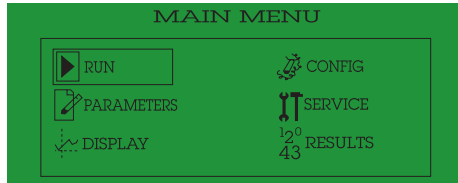
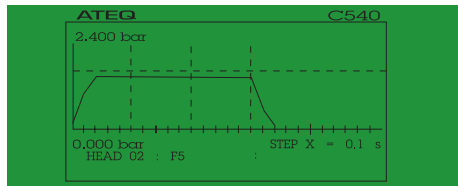
Access to programs and set of programs

### CONFIGURATION MENU

Parameters set up of the instrument:  
network, printing...

### DISPLAY MENU

Selection of informations while the



test is performing: test curve, histogram, test results...

### RESULTS MENU

Counters programming.  
Display of the results.

### SERVICE MENU

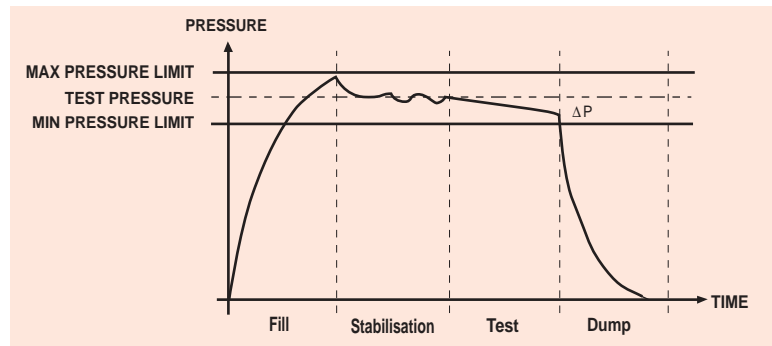
Network status  
Parameter  
Backup...



## Measurement Ranges

ΔP MEASUREMENT		
RANGE	ACCURACY	MAXIMUM RESOLUTION
0 - 50 Pa	± 2.5% P +1 Pa	0.01 Pa
0 - 500 Pa	± 2.5% P +1 Pa	0.1 Pa
0 - 5000 Pa	± 2.5% P +1 Pa	1 Pa
PRESSURE MEASUREMENT		
RANGE	ACCURACY	MAXIMUM RESOLUTION
All ranges	P + 2 digits	0.1% of Full Scale

PRESSURE REGULATION (mechanical or electronic)		
Vacuum / 5 - 50 kPa / 5 - 400 kPa / 5 - 1 000 kPa		
1-16 bar / 1-20 bar		



## Technical Specifications

### Physical

Dimensions (C540):

H x W x D = 287 x 250 x 180 mm

Weight (C540):

approximately 4.5 kg

Dimensions (F20):

H x W x D = 136 x 250 x 180 mm

Weight F20:

approximately 4 kg

### Interface

14 digits and graphical display  
(C540)

4-line LCD screen (F20 option)

Results indicator lights

(F20 option)

### External electrical supply

External power supplied by the  
C540 90 to 260 V AC

### Air supply

Clean and dry air required.

Air quality standard to be applied  
(ISO 8573-1)

### Temperature

Operating : + 10°C to + 45°C

Storage : 0°C to + 60°C

### Accessories

Start/Reset 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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