

# SOLO

## Compact leak detector for production testing



- ✓ COMPACT FORMAT
- ✓ ENTRY LEVEL INSTRUMENT
- ✓ EXCELLENT VALUE
- ✓ SIMPLIFIED SETUP

### 5 SERIES

*Without any doubt the smallest entry level leak detector on the market.*

*The F420 is equipped with the technical innovations of the 5 series and allows basic leak testing at a very competitive price.*



#### Main Features

- Pressure decay leak testing
- Wide range of measurement from 500 Pa to 100 kPa
- Test modes:
  - $\Delta P$  (Pa,  $1/10$  Pa)
  - $\Delta P / Dt$  (Pa/s,  $1/10$  Pa/s)
  - flow units (mm<sup>3</sup>/s, cm<sup>3</sup>/s, cm<sup>3</sup>/min, cm<sup>3</sup>/h)
  - blockage test
  - and others depending on your application
- 4 programs
- **Serial link:** RS232: printer, P.C. and memory modules
- **And:** Time and ate display, choice of languages and units, customisation of the test, ...



#### 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

3 inputs / 4 outputs

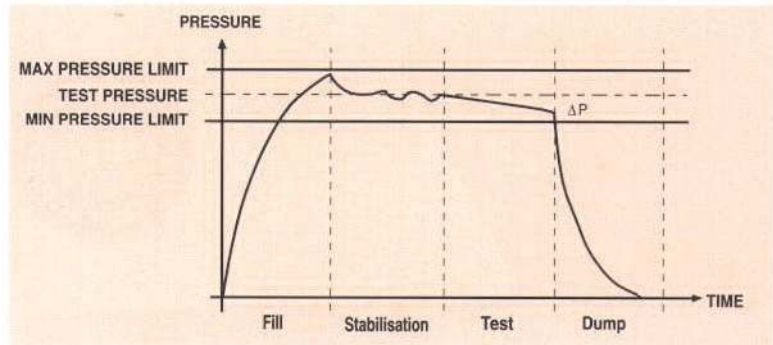
2 pneumatic outputs for the piloting of seal jigs



## Measurement principle



2 function remote control (accessories)

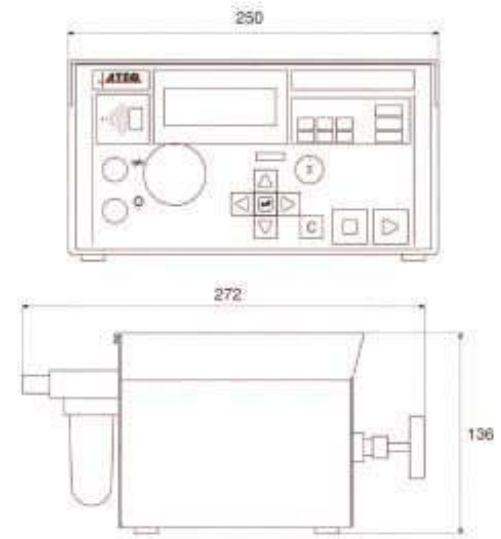


## Measurement Ranges

PRESSURE MEASUREMENT			
RANGE	EXTENT	ACCURACY	MAX RESOLUTION
-800 > -20 mbar	1 > 500 Pa	4% of the full scale	1 Pa
	10 > 1000 Pa		
	10 > 5000 Pa		
	10 > 10000 Pa		
50 > 500 mbar	1 > 500 Pa	4% of the full scale	1 Pa
	10 > 1000 Pa		
	10 > 5000 Pa		
	10 > 10000 Pa		
0,2 > 4 bar	10 > 1000 Pa	4% of the full scale	10 Pa
	10 > 5000 Pa		
	10 > 10000 Pa		
	10 > 50000 Pa		
0,5 > 9 bar	10 > 5000 Pa	4% of the full scale	10 Pa
	10 > 10000 Pa		
	10 > 50000 Pa		
	10 > 100000 Pa		

### MECHANICAL PRESSURE REGULATION

vacuum - 500 mbar - 5 bar - 9 bar



## Technical Specifications

- **Physical**  
Weight: about 7 kg
- **Interface**  
Navigation keys  
4 line LCD display  
Results indicators
- **External power supply**  
Voltage: 24 V DC / 1,6 A  
Mains adapter included 100 - 240 V AC
- **Air supply**  
Clean and dry air required  
Air quality standard to be applied (ISO 8573-1)
- **Temperature**  
Operation : + 10°C to + 45°C  
Storage : 0°C to + 60°C

### Accessories

- Start/Reset remote control
- Printer
- Needle valve
- Calibrated master leak
- Filtration kit
- Sealing connectors
- Please refer to ATEQ accessories list



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