

# We test, You produce

## MF570

### DIFFERENTIAL MICRO FLOW TESTER

ATEQ innovates in the measurement industry with this new instrument: the **MF570**. It associates speed with accuracy of leakage measurement through differential pressure drop measurement and flow measurement stability.

#### Highlights

- INDUSTRIAL FORMAT
- OPTIMISED MEASUREMENT
- HIGH SPECIFICATIONS
- COMPETITIVELY PRICED
- EASY SET-UP



#### Applications

Leak detection and flow control: valve seats, gear boxes, hydraulic components, motors, control of aerosols, injectors...



# MF570

## DIFFERENTIAL MICRO FLOW TESTER

### Measurement Ranges

| FLOW MEASUREMENT |                                    |                    |
|------------------|------------------------------------|--------------------|
| Range            | Accuracy                           | Maximum resolution |
| 2 ml/min         | $\pm 2.5$ % of Flow + 0.002 ml/min | 0.001 ml/min       |
| 20 ml/min        | $\pm 2.5$ % of Flow + 0.02 ml/min  | 0.01 ml/min        |
| 200 ml/min       | $\pm 2.5$ % of Flow + 0.2 ml/min   | 0.1 ml/min         |

| PRESSURE MEASUREMENT |              |                     |
|----------------------|--------------|---------------------|
| Range                | Accuracy     | Maximum resolution  |
| All ranges           | P + 2 digits | 0.1 % of full scale |

### Main Features

- Measurement range: 2 / 20 / 200 ml/min
- Measurement units: SI, USA (SAE) and custom unit
- Indications of the ambient temperature and atmospheric pressure
- Measurement element fully integrated into one module
- 16 programs

### Environment

- Norm ROHS

### Flexible Communication format

- RS232: printer, P.C. and memory modules
- RS485: ATEQ network
- Time and date, language and units choice, test customisation

### Mechanical pressure regulation

- Vacuum / 5-50 kPa / 20-400 kPa / 500-900 kPa / 500-1600 kPa

### Electronical pressure regulation

- Vacuum / 1-10 kPa / 5-50 kPa / 20-200 kPa / 50-500 kPa / 100-1000 kPa / 100-1600 kPa / 100-2000 kPa



2 FUNCTION REMOTE CONTROL

### Technical Specifications

|                                   |                                                                               |
|-----------------------------------|-------------------------------------------------------------------------------|
| <b>Physical</b>                   | Weight: approximately 7 Kg<br>Dimensions: (LxHxP) 537 x 157 x 381 mm          |
| <b>Interface</b>                  | Navigation keys<br>4-line LCD display<br>Results indicator lights             |
| <b>External electrical supply</b> | 24VDC/1.6A ou 110 à 240VAC                                                    |
| <b>Air supply</b>                 | Clean and dry air required<br>Air quality standard to be applied (ISO 8573-1) |
| <b>Temperature</b>                | Operating: +10°C to +45°C<br>Storage: 0°C to +60°C                            |

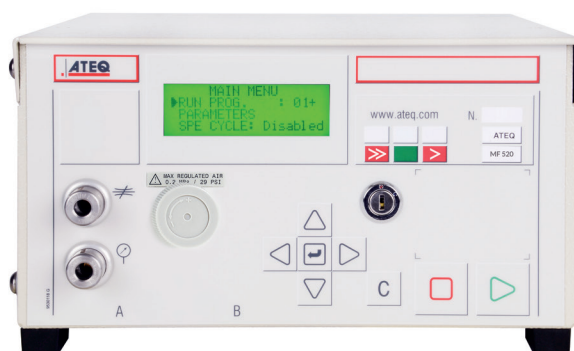
### Option

- 7 inputs / 5 outputs
- 2 pneumatic outputs for control of sealing connectors
- 6 x 24 V programmable outputs for external connection
- Electronic regulator
- Dual pressure
- High speed valve
- 2 analogic outputs: current or voltage
- Fieldbus

### Accessories

- Start/Reset remote control
- Printer
- ATEQ software (WINATEQ, S5 demo)
- Needle valve
- Calibrated leak
- Filtration kit
- Vacuum pump
- Sealing connectors

*Please refer to ATEQ accessories list*



MF520

