

# We test, You produce

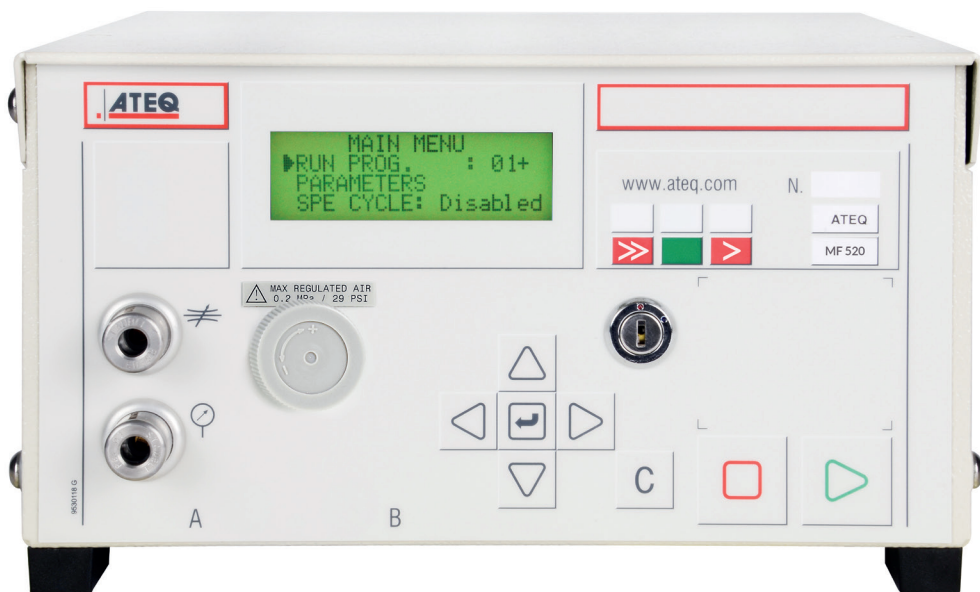
## MF520

### DIFFERENTIAL MICRO FLOW TESTER

ATEQ innovates in the measurement industry with this new instrument: the MF520. It associates speed with accuracy of leakage measurement through differential pressure drop measurement and flow measurement stability.

#### BENEFITS

- COMPACT 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...



# MF520

## DIFFERENTIAL MICRO FLOW TESTER

### Measurement Ranges

FLOW MEASUREMENT		
Range	Accuracy	Maximum resolution
2 ml/min	± 2.5 % of Flow + 0.002 ml/min	0.001 ml/min
20 ml/min	± 2.5 % of Flow + 0.02 ml/min	0.01 ml/min
200 ml/min	± 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

### 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

### Technical Specifications

#### Physical

Weight: approximately 7 Kg  
Dimensions: (LxHxP) 250 x 136 x 380 mm

#### Interface

Navigation keys  
4-line LCD display  
Results indicator lights

#### External electrical supply

24VDC/1.6A ou 110 à 240VAC

#### 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

### 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

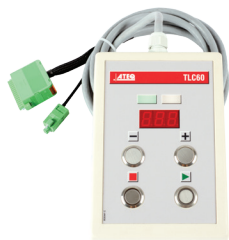
### Accessories

- 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*



REMOTE CONTROL



MF520 19"3U CASE



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