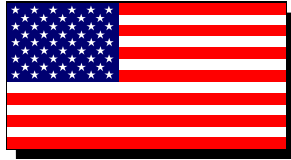


# Mid-West<sup>®</sup> Instrument

## MODEL 820 PRECISION FLOW TEST KIT



**Made In  
USA**



### Functions & Applications:

Rugged Medium Duty Portable Test Kit. This test kit is equipped with a  $\pm 3-2-3\%$  of full scale accuracy (ascending) piston type differential pressure gauge. Popular applications include but are not limited to, measuring pressure drop across various types of equipment, filters, checking pump performance, balancing valves, checking equipment for excessive pressure drop, leakage, etc.

### Product Features/Benefits:

- Over 30 Years of Input from Professional Testing Technicians
- Test kit is protected with 90 micron filters to minimize plugging with scale, sand, etc. Filter elements can be cleaned or replaced
- Durable Molded Plastic Carrying Case
- Test Procedures are Laminated in Clear Plastic
- 5 Year Warranty

### Specifications:

- Gauge Type: "Piston" Differential Pressure
- Dial Size: 2-1/2"
- Range: 0-10 PSID thru 0-100 PSID ranges available
- Accuracy:  $\pm 3-2-3\%$  Full Scale (Ascending)
- Working Pressure: 500 PSIG (Standard)
- Gauge Material: Aluminum Body & 316 S.S. Internals
- Wetted Internals: Buna-N Seals, Aluminum & 316 Stainless Steel
- Hoses & End Fittings: Nitrile Jacket and liner. Schrader 1/4" brass coupler (Connects with 1/4" 37° Flare Male Fittings).
- Tubing & Fittings: Nylon & Brass
- Hose Length: 5' long (1.5 meter)
- Filters: 90 Micron Brass (Order Replacement Filter Kit No. 98008)
- Approximate Shipping Wgt: 3.5 lbs / 1.6 kg
- Case: Polyethylene
- Dimensional Data: 12.25" x 6" x 7"
- Temperature Limitations: Maximum 150°F/65°C  
**Freezing Temperatures must be avoided**

# MODEL 820 TEST KIT

## BASIC OPERATING INSTRUCTIONS

1. Connect hoses to test connections – red high pressure hose upstream and green low pressure hose downstream
2. Open valves on device being tested and read differential.
3. Upon completion of test close valves, disconnect hoses and store them in test kit case.

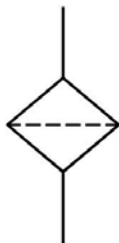
**NOTE:** The 820 Test Kit is equipped with in line filters near the ends of the hoses. If the gauges respond slowly to changes in the differential pressure the filter elements may be partially plugged.

To remedy this, unscrew the two halves of the filter housing and remove brass filter element. It may be cleaned by flushing with mild detergent and water. If, after reassembly this has not satisfactorily improved the response time a replacement filter element kit #98008 should be installed.

## MODEL 820 TEST KIT

### SCHEMATIC DIAGRAM

#### LEGEND



FILTER

