



## Functioning

The indicator is actuated by dual rupture-proof bellows with integral temperature compensation. The bellows are liquid filled and will withstand repeated over ranges equal to the working pressure of the instrument housing without causing a calibration change. Motion transmission is a hermetically sealed torque tube, thus eliminating friction, leakage and the need for lubrication.



**Shown with optional case**

# Duke **Barton**

## Model 226A-BFT Test Kit

**3**  
Test  
Equipment  
&  
Misc

### FEATURES

- Two valve (vent) operation - highside and lowside
- Indicator size: 3" (optional 6": Model 227A-BFT)
- Gauge displays 0-15 PSID in tenths of a pound.
- Accuracy: 0.5%
- Working pressure: 500 PSI
- Splash guard (lens cover)
- Teak block wood case to protect the torque tube
- Weight: 5 lbs.
- Carrying case optional
- 0 to 200 PSI pressure gauge optional

Includes: 3 test hoses, carrying strap, brass fittings & testing instructions



# Duke

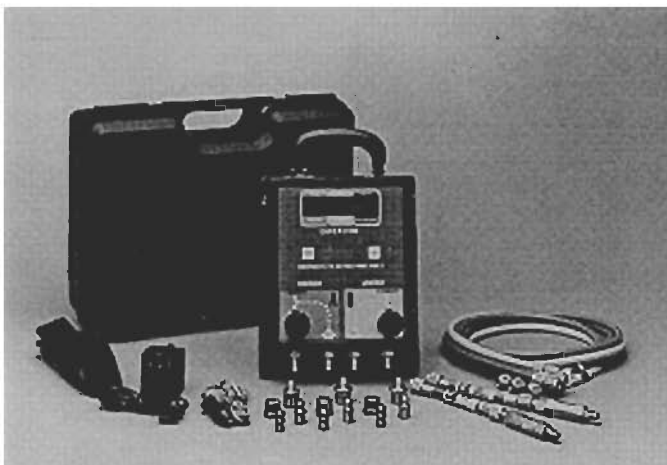
## Model EZ 900 Test Kit

### FEATURES

- Tests All Backflow Assemblies
- 3-Gauges in one tester with continuous display of high side and low side and differential pressures.
- 0-250 psi. High side and low side in 1 psi increments. Differential pressures in tenths (0.0 psi).
- Function prompts shown in display.
- Automatic calibration (upon gauge activation).
- Accuracy +/- .2 PSID.
- Null feature, differential pressures can be reset to zero and then restored to normal operation.
- Two SS transducers (pressure sensors).  
Overload Pressure: 900 psi  
Burst pressure: 3000 psi
- Temperature: 35 - 250°F
- 2 valve (vent) operation, high side and low side.
- 2 keypad buttons: On and Hold/Null/Manual off
- Automatic off, after 10 minutes of no activity.
- 3 replaceable D rechargeable batteries (may use alkaline batteries).
- Low battery indicator (star appears top left in display).
- Rechargeable batteries recharged by 110V or 12VDC adapters
- Water resistant design.
- Weight: Less than 5 pounds.

### Computerized Backflow Test Gauge

Includes: Carrying case & strap, Battery chargers, Hoses, Brass fittings, Testing Instructions



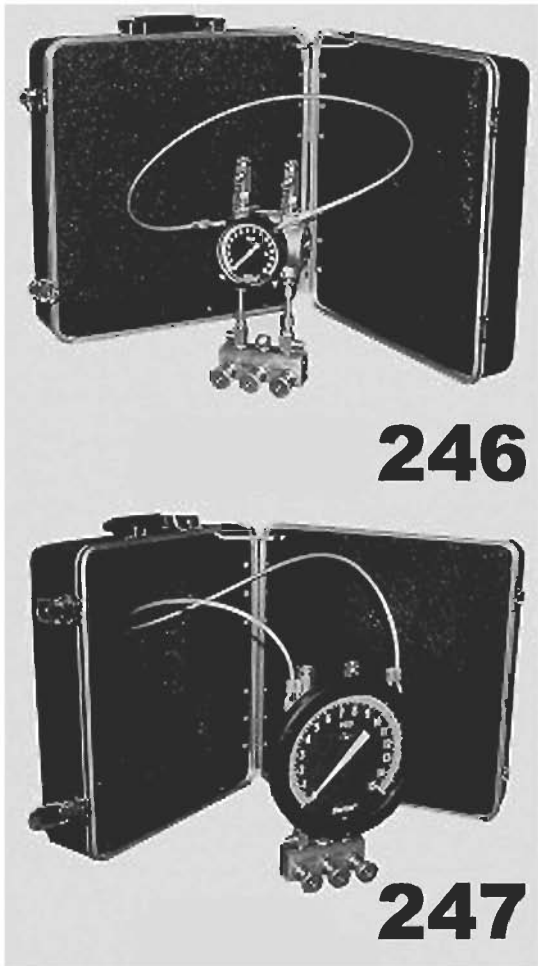
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# Duke Barton

## Model 246 Model 247

### Test Kits

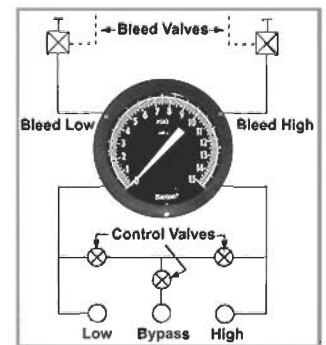
**3**  
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## FEATURES

- Pressure Overrange Protection (up to 500 PSI) - no damage to the meter due to pressure spikes
- Easy reading Scale - 150 separate 0.1 PSID divisions mark the large 270° scale
- 246 BFT's small 3-inch scale provides a compact tester.
- 247 BFT's large 6-inch scale provides easy measurement reading.
- Five easy to use valves - designed with stainless steel, corrosion resistant, stems and soft seats
- Unique built-in manifold - allows the addition of a pressure gauge to obtain static pressure reading during testing.
- Compact Case (Steel Reinforced Polyethylene) w/foam insert - minimizes damage while stored
- Adaptable - allows performance on all types of backflow assemblies
- Hand/Shoulder Strap - allows field use
- Fittings/Hoses Included - test fittings and three color coded, 6 foot hoses for easy hookup
- Reviewed by University Of Southern California

## SPECIFICATIONS

Safe Working Pressure	.... 500 PSI
Material	..... Brass
DP Range	..... 0-15 PSID
Scale Face:	
246	..... 3-inch (0-15 PSID, 150 divisions)
247	..... 6-inch (0-15 PSID, 150 divisions)
Accuracy	..... ±0.5% (0.075 PSID)
Temperature Range	..... +32°F to +200°F
Lens Material	..... Lexan
Carrying Case	..... Metal reinforced high density polyethylene. Water-resistant closed-cell foam inside
Hoses	..... (3) 6' (up, down, bypass)
Manifold	..... 3-valve (high, low, bypass)
Bleed Valves	..... (2) 1/4-inch (brass)
Adapter Fittings	..... (3) each: SAE 1/8", 1/4", 1/2", 3/4"
Gauge Dimensions	..... 246: 10.5" x 4" ..... 247: 10.5 x 7.5"
Gauge Weight	..... 256: 7 lbs, 247: 8.5 lbs



## ACCURACY

Using the Barton welded beryllium copper bellows assembly, these testers are accurate to one-half of one percent, translating a reading within 0.075 PSID in both ascending and descending actions.

# IS YOUR BACKFLOW TEST GAUGE BUBBLE TIGHT?

## *How to check your gauge for leakage*

1. Disconnect all hoses and seal all flare inlet connections using caps with o-ring.
2. Close all valves.
3. From an external source pressurize highside and lowside of test gauge to 100+ psi through one of the vent valves.
4. Close vent valves and disconnect external source.
5. Create a pressure differential by reducing highside pressure through the highside vent valve.



6. Note pressure differential.
7. Wait 10 seconds. Note pressure differential. **Pressure differential must not change.** If it does, your test gauge is leaking.
8. Have your test gauge repaired to eliminate leakage.

## *American Backflow Specialties*

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