**Inclined Manometer Air Filter Gages**

**Precision Machined, Solid Acrylic Plastic Gages, Accurate To ±1% Of Full Scale**

**FEATURES**

Highly accurate and easy to use yet almost indestructible, Dwyer® Series 250-AF Inclined Air Filter Gages are foolproof and dependable. There are no moving parts — no mechanical linkages — nothing to wear out, jam or deteriorate from vibration. They never need calibration.

The mirror polished inclined scale allows the operator to easily read minute differences in differential pressure across the filter accurately without parallax error. The only servicing required is occasional zeroing. If cleaning is necessary, it is easily done with soap and water.

Construction

Dwyer® DURABLOCK® Series 250-AF Gages are precision machined 1” thick solid acrylic plastic, virtually unbreakable and free of distortion. The fluid bore is precision drilled to ±.0002” to assure life long accuracy. A glass spirit level is built into the body and encapsulated to prevent damage or tampering. The scale is mirror polished with its reflection. Safety traps are incorporated in the body to prevent loss of fluid due to pressure surges. Red and green signal flags indicate clearly when a filter change is necessary. Gages are suitable for use in ambient temperatures of -20 to 150°F. Connection fittings are positively sealed by O rings but easily removed for change is necessary. Gages are suitable for use in ambient temperatures of -20 to 150°F. Connection fittings are positively sealed by O rings but easily removed for changing the filter.

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**Economy Model 452-AF** is similar to the 250 Series except they are not equipped with over pressure traps. Two A-324 1/4” compression fittings are included with each gage but not shown. Bodies are of 5/8” thick acrylic and scales are mirror polished, epoxy coated aluminum.

**Dwyer® Solid Plastic Stationary Gages — or draft gages — are offered in inclined and vertical (well-type) styles for highly accurate laboratory or general industrial service, for measurement of low range gas and air pressures, positive, negative or differential. To assure the accuracy required in instruments of this type, all machining of bores and wells is to the highest standards of precision backed by Dwyer’s years of experience in the fabrication of acrylic instruments.**

**Over-Pressure Safety Traps Prevent Fluid Loss**

Exclusive Dwyer® over pressure safety traps assure that over range pressures whether gradual or a sudden surge will not force the liquid out of the gage. Over pressures simply raise the float, force the O-ring over the opening and seal the fluid in the gage. When pressure is reduced, float drops down releasing the O-ring safety trap opens and the gage continues in operation.

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**Series 300**

**200 & 300**

**Durablock® Solid Plastic Stationary Gages**

Suitable for Total Pressures Up to 100 psig, Temperatures Up to 150°F

Accuracy ±2% of Full-Scale (1% on Models 215, 244, 246 Only)

**Accessories**

A-310B, 3-way vent valve, 1/8” NPT to 1/4” metal tubing, 10 psi rating

A-317, Gage connector, 1/8” pipe thread opening, less OD thread, for slip fit in 3/4” 3-way vent valve

A-324, 1/4” compression fittings, two per gage

3-way vent valve, 1/8” NPT to 1/4” metal tubing, 10 psi rating

**American and British Standards**

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