Highly accurate and easy to use yet almost indestructible, Dwyer® Series 250-AF Inclined Air Filter 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 to prevent fluid loss and the gage continues in operation.

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 ±0.0002” to assure life long accuracy. A glass spirit level is built into the body to prevent fluid loss and the gage continues in operation. Gages are suitable for use in ambient temperatures of -20 to 150°F.

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 raises 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.

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.

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.

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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” diameter opening in Series 250-AF gages

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.

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For NIST traceable calibration certificate, add suffix -NIST to model numbers. Example: 244-NIST.