

Dwyer

SERIES 250-AF

INCLINED MANOMETER AIR FILTER GAGES

Precision Machined, Solid Acrylic Plastic Gages, Accurate To $\pm 1\%$ Of Full-Scale



Model 250.5-AF



Model 452-AF

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 $\pm .0002"$ 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 chrome plated brass to assure parallax free reading by alignment of the meniscus 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 but easily removed for zeroing or addition of fluid.

FEATURES/BENEFITS

- High-accuracy and easy to use make it a dependable device for many years of service
- Easy to read polished inclined scale allows pressure minute pressure differences to be read
- No moving parts mean no calibration or nothing to wear out

APPLICATIONS

- Air filter gage

ACCESSORIES

Model	Description
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

▲ 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.

MODEL CHART

Model	Range: Water Column	Minor Divisions	Scale Length Inclined (Inches)	Overall Size (Inches)
250-AF	.10-0-1.0"	.02"	5-1/2	8-1/2 x 4-1/8 x 1
250.5-AF	.10-0-1.0"	.01"	8	11-3/8 x 4 x 1
251-AF	.05-0-50"	.01"	5-1/2	8-1/4 x 3-3/8 x 1
252-AF	.20-0-2.0"	.02"	8	11-1/8 x 6-1/2 x 1
260-AF	0-1.5"	.02"	5-1/2	8-3/8 x 5-7/8 x 1
452-AF▲	0-2"	.02"	8	11 x 4 x 5/8

▲ 2 PSI maximum working pressure

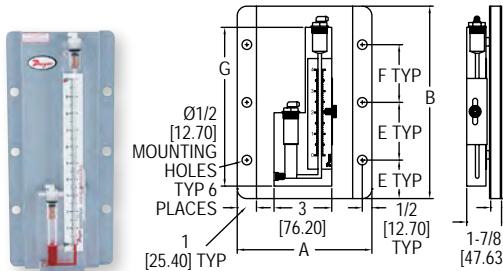
USA: California Proposition 65

⚠ WARNING: Cancer and Reproductive Harm

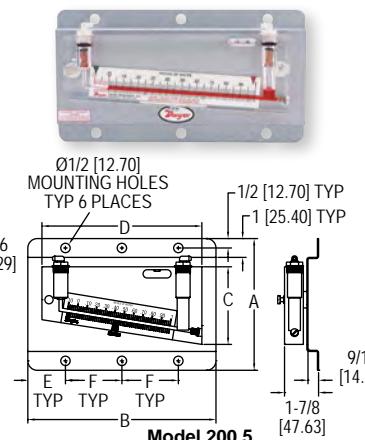
SERIES 200 & 300

DURABLOCK® SOLID PLASTIC STATIONARY GAGES

Suitable for Total Pressures Up to 100 psig, Temperatures Up to 150°F, Accuracy $\pm 2\%$ of Full-Scale (1% on Models 215, 244, 246 Only)



Model 310



Model 200.5

Model	Dimensions, Inches						
	A	B	C	D	E	F	G
200.5	7	13	3-15/16	11-3/8	2	4-1/2	-
202.5	9	13	5-5/8	12	2	4-1/2	-
209	9	13	7	11-1/4	2	4-1/2	-
215	7	10	3-1/16	9-1/2	2	3	-
244	11	16-1/2	3-1/8	15-5/8	4	8-1/2	-
246	11	23	11	22	4	15	-
310	7	16	-	-	4	4	15-1/4

Dwyer® SERIES 200 & 300 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 fabrications of acrylic instruments.

FEATURES/BENEFITS

- High-accuracy measurement of low range gas and air pressure suitable for laboratory or general industry
- Precision built assures device meets the highest standards
- No moving parts mean no calibration or nothing to wear out
- Over-pressure trap prevents liquid from being expelled from gage, preventing disruption of operation

APPLICATIONS

- Low pressure laboratory and industrial service applications



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-pressure simply raises the float, force the O-ring over the opening and seal the fluid in the gage. When pressure is reduced, the float drops down releasing the O-ring safety trap which allows the gage to continue operation.

MODEL CHART

Incline Type Model	Range Inches of Water	Minor Scale Divisions	Scale Length	Weight lb-oz
200.5	.10-0-1.0	.01	8-1/4	3-11
202.5	.20-0-2.0	.01	8-3/4	4-7
209	.20-0-3.0	.02	8-3/4	4-11
215	.05-0-25	.005	6	2-14
244	0-4	.02	13-1/4	9-11
246	0-6	.02	20	13-14
Vertical or Well-Type Model	Range Inches of Water	Minor Scale Divisions	Scale Length	Weight lb-oz
310	0-10	.10	11-1/8	3-10

Note: Model 200.5 replaces Model 200. Model 202.5 replaces Model 202.

OPTIONS

To order add suffix:	Description
-NIST	NIST traceable calibration certificate
Example: 244-NIST	