

AT-210/250 Diaphragm Meter



The AT-210 and AT-250 meters have a 5 PSIG Maximum Allowable Operating Pressure and can flow either 210 or 250 cubic feet per hour at 1/2" W.C. differential pressure.

Features

- Die-cast aluminum case
- Oil-impregnated, self-lubricating bushings
- Molded, convoluted diaphragms for smooth operation and long life
- Rigid, reinforced flag rods for positive alignment and sustained accuracy
- Graphite-filled phenolic valves to minimize wear
- Long-life, low friction, grommet seals
- Single coat polyester primer with high solids polyurethane top coat
- Security seals that indicate tampering

Advantages

- Temperature compensation available from -30°F to 140°F (-34°C to 60°C)
- Either 210 CFH (6m³/h) or 250 CFH (7.1 m³/h) (0.60 specific gravity gas) at 1/2-inch W.C. differential
- AMR/AMI compatibility
- Meets ANSI B109.1 specifications
- Measurement Canada accredited

Applications

The AT-210 and AT-250 were designed as replacements for the finned steelcase meters or other meters that have wide center-to-center top connections. The AT-210 has 5LT connections while the AT-250 has 10LT connections.

Options

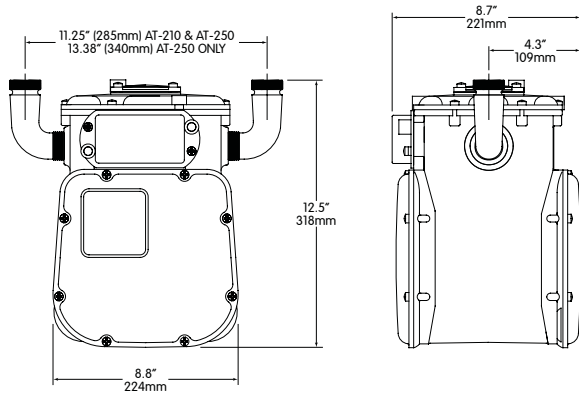
- Regular or Temperature Compensated
- Pointer or odometer index
- 1ft³ or 2ft³ drive
- Connection Sizes
 - AT-210
 - 5LT - 11 1/4"
 - AT-250
 - 10LT - 11 1/4" or 13 3/8"
- Pressure compensating indexes
- Standard or UV protected index covers
- Remote Volume Pulsers



ITT Controls

AT-210/250 Diaphragm Meter

Weight = 12 lbs



Capacities (0.60 specific gravity gas)

| Line Pressure PSIG (mbar) | Differential Inches W.C. (mbar) | AT 210 SCFH (m ³ /h) | AT 250 SCFH (m ³ /h) |
|---------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 0.25 (17) | 1/2 (1.2) | 210 ^{1,2} (5.9) | 250 ^{3,4} (7.1) |
| 1 (69) | 2 (5) | 410 (11.6) | 528 (14.9) |
| 2 (138) | 2 (5) | 424 (12.0) | 550 (15.6) |
| 5 (345) | 2 (5) | 462 (13.1) | 595 (16.8) |

1 - Propane - 132 SCFH (3.7 m³/h) 3 - Propane - 158 SCFH (4.5 m³/h)
 2 - Butane - 116 SCFH (3.3 m³/h) 4 - Butane - 138 SCFH (3.9 m³/h)

AT-210/250 Proof Curve

