FM100 & FM200 Flowmeter

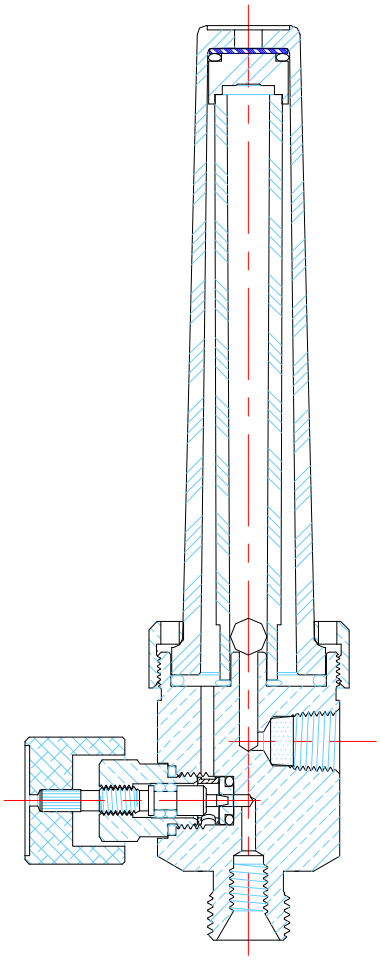
Oxygen Flowmeters

WESTERN a Scott Fetzer company

GAS CONTROL TECHNOLOGY

MATERIALS OF CONSTRUCTION

DESCRIPTION	Wetted Component	MATERIAL
Body	Y	Chrome Plated UNS C36000 or JIS H3250 C3604 Brass
Flow Tube	Y	Mobay Makrolon 2608
Flow Tube Cover	Y	GE Lexan 144-111 or 112 (or Bayer Polycarbonate 2608-1112)
Inlet Screen	Y	UNS S30400 Stainless Steel Mesh
Burst Disc	Y	70 Durometer Neoprene
Float	Y	Black Glass
O-rings	Y	70 Durometer Buna-N
		70 Durometer EPDM
Bumper Disc	Y	High Density Polyethylene
Needle Valve	Y	UNS C36000 Brass
Adjustment Knob	N	2011-T3 Aluminum
Valve Bushing	Y	Chrome Plated UNS C36000 or JIS H3250 C3604 Brass
Lubrication	Y	Krytox 206GP



- Dimensions: 6 ¼" High × 2 ¼" Deep (with device On)
- Weight: 10.5 ozs
- Inlet Threads: 1/8 – 27 NPT
- Outlet Threads: 9/16 – 18 UNF-2A (CGA-022 / DISS1240)
- Inlet Filtration: 250 × 250 Mesh, ∅0.0016" SST Wire
  Nominal Filtration Rating – 61 micron
- Leak Rate:
  Internal: 3.0×10^{-3} cc/sec Oxygen
  External: 3.0×10^{-3} cc/sec Oxygen (Bubble Tight)
- Calibrated Inlet Pressure: 50 psig
  Pressure Compensated Flowmeter
- Operational Torque: < 10 in-ozs
  Closing Torque: < 15 in-ozs
- Burst Disc Rupture Pressure: 500 psig nominal
- Flow Accuracy: +/- 5% Full Scale (over operating range of 1.0 – 15 LPM Oxygen)
- Maximum Flow (Flood): 10 SLPM O2 Maximum @ 50 psi for FM200
  75 SLPM Oxygen Minimum @ 50 psi for FM100
- Effect of Inlet Pressure on Flow Accuracy: ~ 1.0% of Reading per psi

- CSA Listed – Contract Number 174593
- Units meet performance requirements of CGA E-7 2006

Western reserves the right to make design changes without prior notice

For additional technical information or assistance in ordering, please contact Western Customer Service at 1.800.783.7890 or 440.871.2160