

CFM10X-XX Flowmeter

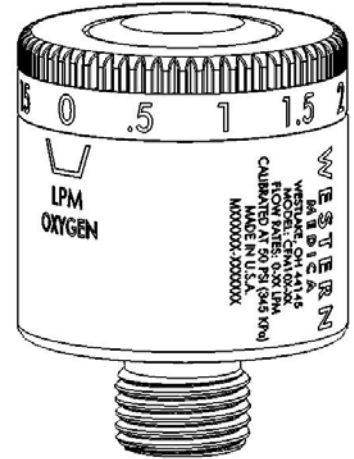
Oxygen Orifice Flow Selector



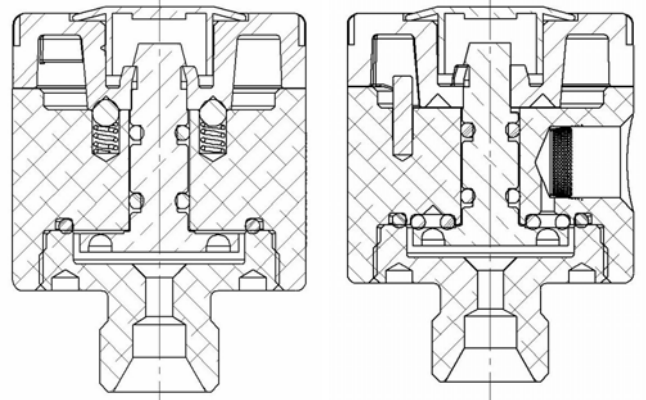
GAS CONTROL TECHNOLOGY

MATERIALS OF CONSTRUCTION

DESCRIPTION	Wetted Component	MATERIAL
Body	Y	Aluminum 6262-T6511
Outlet Cap	Y	Aluminum 6262-T6511
Orifice Plate / Shaft	Y	UNS C36000 Brass
Inlet Screen	Y	UNS S30400 Stainless Steel Mesh
Shaft and Bonnet O-rings	Y	70 Durometer Ethylene Propylene
Orifice Plate O-rings	Y	80 Durometer Ethylene Propylene
Adjustment Knob	N	ABS PA 717C
Springs	N	Music Wire
Ball Bearings	N	UNS S44000 Stainless Steel
Dowel Pin	N	UNS S18800 Stainless Steel
Lubrication	Y	Krytox 206GP



- Inlet Threads: 1/8 – 27 NPT
- Outlet Threads: 9/16 – 18 UNF-2A (CGA-022)
- Inlet Filtration: 250 X 250 Ø0.0016” SST Mesh
Nominal Filtration Rating – 61 micron
- Shipping Weight: 3.1 ozs
- Overall Dimensions: 1 3/4 High X 1 3/8” OD
- Leak Rate:
Internal: 3.0×10^{-3} cc/sec Oxygen
External: Bubble Tight
- Calibrated Inlet Pressure and Temperature: 50 psig @ 70°F
- Flow Accuracy: +/- 10% Reading (at calibrated inlet pressure and temperature)
- Operating Temperature Range: 0°F to 120°F
- Effect of Inlet Pressure on Flow Accuracy:
< 1.5% of Reading per psi



Model #	Flow Settings (SLPM Oxygen)															
	1/4	1/2	1	1.5	2	2.5	3	4	5	6	8	10	12	15	20	25
CFM10X-08	X	X	X	X	X	X	X	X	X	X	X					
CFM10X-15		X	X	X	X		X	X	X	X	X	X		X		
CFM10X-25			X		X		X	X		X	X	X	X	X	X	X

- The following CFM Orifice Flow Selector part numbers are “MR-Conditional” for use outside of the bore of an MRI machine under the following conditions: Static magnetic field of 3.0 Tesla or less and a spatial gradient field of 720 gauss/cm or less.

Base Number	Inlet Options	Gas Type	Inlet Connection	-	Flow Range
CFM	1	0	1, 2, 3, 4 & 9	-	08, 15, 25

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