



Essentia medical gas flowmeters are designed to measure and regulate flow. These are calibrated to specific gas & flow range. Oxygen flowmeter is intended for use with various delivery system when bubble/ micro bubble humidifier is attached downstream.

These flowmeters are widely used in home care, health centers, district/ general/ regional hospitals, tertiary care, emergency vehicles etc. for administration of supplemental oxygen through nasal cannula, simple face mask, partial re-breathing mask, non re-breather mask, resuscitation mask etc.

4 (Four) variants are available:

- 1. ESSENTIA OXY NEONATE - 0–3 lpm (For Infant use only)
- 2. ESSENTIA OXY PEDIATRIC - 0–5 lpm (For Pediatric use only)
- 3. ESSENTIA OXY ADULT - 0–15 lpm (For Adult use only)
- 4. ESSENTIA MED AIR ADULT - 0–15 lpm (For Adult use)

Features

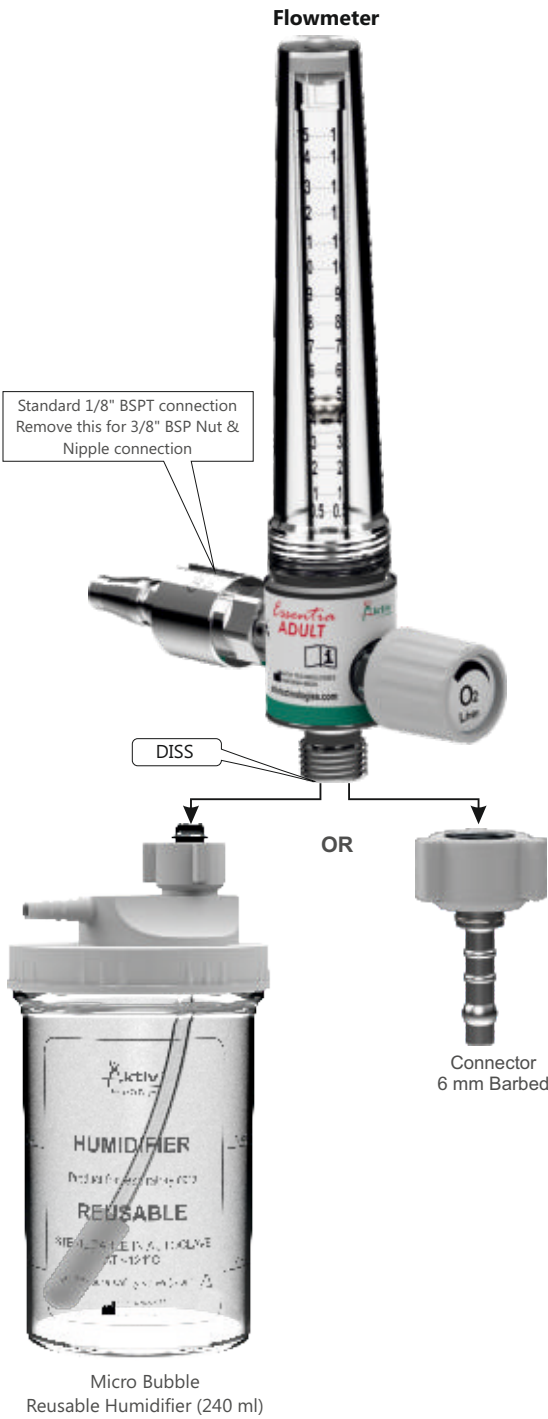
- Back pressure compensated design to give specified accuracy for entire range
- Standard Thorpe style for medical Oxygen (Adult, Pediatric, Neonate) & Medical Air
- Precise step-less control
- Chromium plated Brass body with SS 304 wire mesh filter
- Durable impact resistant Polycarbonate measuring tube and outer tube
- Transparent, clearly readable and permanent graduated column
- Adaptable to Quick connect or DISS probes / connectors
- Standard 1/8" BSPT with option of 3/8" BSP RH inlet connection
- Suitable for MGPS or through regulator with steady 4 bar outlet pressure

Technical Specifications – Essentia Medical Gas Flowmeter

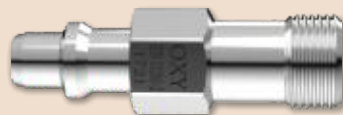
Conforms to : IS / ISO 15002 : 2008, IS / ISO 7396 - 1 : 2016 + A1 : 2017, HTM 02 - 01

	Essentia Variants			
	Oxy Adult	Oxy Pediatric	Oxy Neonate	Med Air Adult
Flow (lpm) @ 73 psi (5 bar) max.	0–15 Max.	0–5 Max.	0–3 Max.	0–15 Max.
Float	Ball SS 304	Ball SS 304	Ball SS 304	Ball SS 304
Inlet Connection	3 / 8" BSP RH / 1/8" BSPT			
Outlet Connection	DISS (Male)			
Filter	SS 304 Wire Mesh			
Thorpe Tube	Impact resistant Polycarbonate			
Body	Brass (Chrome plated) / Aluminium (Anodized)			
Calibrated Pressure & Temp. Accuracy	61psig (4.2 bar) at 21°C and accuracy ±10% of the scale value or 0.2L/min whichever is higher			
Notes: 1. Read scale through the center of the Ball (Float) for accuracy. 2. Thorpe Tube must be in upright position. 3. Medical Gas supply source : Either through Outlet (DISS or Quick Connect Terminal Unit) of MGPS or Compressed Gas Cylinder with pressure regulator to reduce pressure suitably.				

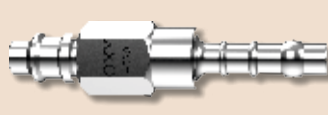
Dimensions (mm)



Connection Options



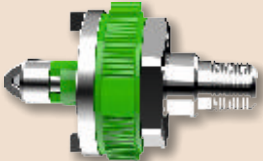
DIN (13260 - 2)



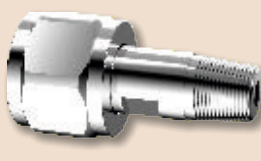
Puritan Bennett type



BS (5682)



Ohmeda Type



DISS (CGA V5)

Patient end connection 3/8" BSP, 1/8" BSPT or Hose

Additional Accessories for Medical Rail Mounting:

Extruded Homogenous Aluminium Medical Rail with 2 mounting Clamps
(Conforms to IS / ISO 19054 : 2005 + A1 : 2016)



Medical Rail 1800 mm	Ordering Code : 635J700	Medical Rail 900 mm	Ordering Code : 635J600
Medical Rail 1500 mm	Ordering Code : 635J500	Medical Rail 650 mm (Pendant)	Ordering Code : 635J200
Medical Rail 1200 mm	Ordering Code : 635J400	Medical Rail 320 mm (Pendant)	Ordering Code : 635J100



Self Locking Quick Claw Clamp (QCC) for Medical Rail mounting
Ordering Code: 635B100



QCC Compatible Mounting Block 3/8" x 3/8" BSP for Secondary Devices
Ordering Code: 635G100



6 mm Barbed connector
Ordering Code: 6016103



Flowconnect LP Medical Gas anti-static Hose Assembly with Crimped End Connectors
(Conforms to IS / ISO 5359:2014 + A1:2017)
Ordering Code: 6016113 (3m) & 6016123 (5m)

Essentia Ordering Code

Essential Medical Gas Flowmeter					Accessories		
With Probe Type	Medical Gas	Essentia Oxy Neonate	Essentia Oxy Pediatric	Essentia Oxy Adult	Humidifier (240ml)	OR	6mm Barb Connector
9/16" UNF Nut Nipple	Oxygen	6032211	6032221	6032231			
BS Probe	Oxygen	6032212	6032222	6032232			
	Medical Air	xx	xx	6033220*			
PB Probe	Oxygen	6032213	6032223	6032233			
DIN Probe	Oxygen	6032214	6032224	6032234			
DIAMOND Probe	Oxygen	6032215	6032225	6032235			
					6031210		6016103

*Adult variant for Medical Air



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Consult Instructions for Use

LT / 6038 Rev 00 11/21

Disclaimer: Due to our policy of continuous product improvement, Aktiv Technologies reserve the right to alter dimensions and/or specification without notice although every effort will be made to advise of any such modifications.