



Oxygen Duration

Formula for Calculating Oxygen Duration

Gage Pressure – 200 psi x Cylinder Constant = Duration in min					
Cylinder Endurance					
Cylinder Size	D	E	G	M	H/k
Cylinder Constants	0.16	0.28	2.41	1.56	3.15
Capacity (liters)	300	600	1000	3450	6500
Flow Rate (liters/min)					
2	2:30	5:00	8:20	28:45	54:00
4	1:15	2:30	4:10	14:20	27:00
6	0:50	1:40	2:45	9:35	18:00
8	0:35	1:10	2:05	7:10	13:30
10	0:30	1:00	1:40	5:45	11:00
15	0:20	0:40	1:05	3:50	7:15

* Endurance times in hours and minutes are approximations based on full tank pressures

Oxygen Flow Rates and %

Oxygen Device	Flow Rate	Oxygen %
Nasal Cannula	2 – 6 LPM	25 – 40%
Simple Face Mask	6 – 12 LPM	40 – 60%
NRB Mask	10 – 12 LPM	90 – 100%
BVM	10 – 15 LPM	100% with Reservoir