



Medical Air System Sizing Worksheet

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Date:

Project Name:

Quantity	Application Description	Unit	Unit SCFM	S.U.F. %	SCFM	Cumulative SCFM
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Anesthetizing Locations:

1	Specialized Surgeries (Open Heart, Organ Transplant, etc.)	Room	0.5	100%	0.50	0.50
1	Major Operating Rooms	Room	0.5	100%	0.50	1.00
1	Minor Operating Room/Cysto	Room	0.5	75%	0.38	1.38
1	Delivery Room	Room	0.5	100%	0.50	1.88
1	Emergency Operating Room	Room	0.5	25%	0.13	2.00
1	Cardiac Catherization	Room	0.5	10%	0.05	2.05
1	Endoscopy	Room	0.5	10%	0.05	2.10
1	Radiology	Room	0.5	10%	0.05	2.15

Acute Care (Non-Anesthetizing):

1	Post Anesthesia Care Unit (PAC Bed		2.0	25%	0.50	2.65
1	O. B. Recovery Room	Room	2.0	25%	0.50	3.15
1	Intensive Care Units/CCU	Bed	2.0	50%	1.00	4.15
1	Neonatal Intensive Care Units	Bed	1.5	75%	1.13	5.28
1	Emergency Room	Bed	2.0	10%	0.20	5.48
1	Ventilators	Each	1.5	100%	1.50	6.98

Subacute Patient Care Areas:

1	Normal Nursery	Bed	0.5	25%	0.13	7.10
1	L. D. R. P. Rooms	Room	1.0	50%	0.50	7.60
1	Patient Rooms	Bed	0.5	10%	0.05	7.65
1	Pre-Op Holding	Outlet	1.5	10%	0.15	7.80
1	Respiratory Care Dept.	Outlet	1.5	50%	0.75	8.55
1	Pulmonary Function Lab	Outlet	1	50%	0.50	9.05
1	EEG & EKG	Outlet	1	50%	0.50	9.55
1	Exam & Treatment Rooms	Room	1.0	10%	0.10	9.65

Other Areas

1	Anesthesia Workroom	Room	1.5	10%	0.15	9.80
5	Nursery Workroom	Room	2	10%	1.00	10.80

1	Respiratory Care Workroom	Room	1.5	10%	0.15	10.95
1	Equipment Repair	Outlet	1.5	10%	0.15	11.10
1	Medical Lab	Outlet	1.0	10%	0.10	11.20

Estimated Peak Calculated SCFM Demand: 11.2 SCFM