TABLE 13-4
System Sizing – Flow Requirements for Station Inlet/Outlet[1]

Number of Inlet/Outlet Terminal Units per Facility	Diversity Percentage of Average Flow per Inlet/Outlet Terminal Units	Minimum Permissible System Flow[2] L/min All Pressurized Medical Gas Systems	Vacuum Systems
1–10	100%	Actual Demand	See
11–25	75%	200	Table
26–50	50%	375	13-5
51–100	50%	500	

[1] Flow rates of station inlets/outlets per Table 13-2.

[2] The minimum system flow is the average inlet/outlet flow times the number of station inlets/outlets times the diversity percentage.

SI: 1L/min = 0.04 ft.^{3}/min

TABLE 13-5
Outlet Rating for Vacuum Piping Systems

	Free-Air Allowance, Expressed as L/min at 1 Atmosphere		Zone Allowances Corridors-Risers Main Supply Line-Valves	
Location of Medical-Surgical Vacuum Outlets	Per Room	Per Outlet	Simultaneous Usage Factor Percent	Air to Be Transported L/min
Operating				
Major "A" (Radical, Open Heart)	100	–	100	100
(Organ Transplant)	100	–	100	100
(Radical Thoracic)	100	–	100	100
Major " B" (All Other Major ORs)	57	–	100	57
Minor	28	–	100	28
Delivery Rooms	28	–	100	28
Recovery Rooms (Post-Anesthesia) and Intensive Care Units (a minimum of 2 outlets per bed in each such department)				
1st outlet at each bed	–	85	50	43
2nd outlet at each bed	–	28	50	14
3rd outlet at each bed	–	28	10	3
All others at each bed	–	28	10	3
Emergency Rooms	–	28	100	28
Patient Rooms				
Surgical	–	28	50	14
Medical	–	28	10	3
Nurseries	–	28	10	3
Treatment and Examining Rooms	–	14	10	2
Autopsy Area	–	57	20	11
Inhalation Therapy, Central Supply and Instructional Areas	–	28	10	3

SI: 1L/min = 0.04 ft.^{3}/min; 1bar = 1 atmosphere