

Table 3-3 Ventilation Design Parameters

Function of Space	Pressure Relationship to Adjacent Areas (p)	Minimum Outdoor ACH, ach	Minimum Total ACH, ach	All Room Air Exchanged Directly to Outdoors (p)	Air Restricted by Means of Room Units (p)	RAU (p) (p)	Design Temperature (p) (p) (p)
SURGERY AND CRITICAL CARE							
Class B and C Operating rooms (m) (a) (p)	Positive	4	20	N/R	No	20-60	60-75/20-24
Operating surgical cytotoxic rooms (m), (b) (p)	Positive	4	20	N/R	No	20-60	60-75/20-24
Delivery room (Gynaecology) (m) (b), (c)	Positive	4	20	N/R	No	20-60	60-75/20-24
Subacute service area	N/R	2	6	N/R	No	N/R	N/R
Recovery room	N/R	2	6	N/R	No	20-60	70-75/21-24
Critical and intensive care	N/R	2	6	N/R	No	20-60	70-75/21-24
Intermediate care (a)	N/R	2	6	N/R	N/R	max 60	70-75/21-24
Wound intensive Care (Burn Unit)	N/R	2	6	N/R	No	40-60	70-75/21-24
Neonatal intensive care	Positive	2	6	N/R	No	20-60	75-70/22-26
Treatment room (p)	N/R	2	6	N/R	N/R	20-60	70-75/21-24
Trauma room (adult or shock) (c)	Positive	3	13	N/R	No	20-60	70-75/21-24
Medical Anaesthesia gas storage (f)	Negative	N/R	8	Yes	N/R	N/R	N/R
Laser Eye Room	Positive	3	13	N/R	No	20-60	70-75/21-24
IR Waiting Rooms (q)	Negative	2	12	Yes	N/R	max 65	70-75/21-24
Trays (q)	Negative	2	12	Yes	N/R	max 60	70-75/21-24
ER Decontamination	Negative	2	12	Yes	No	N/R	N/R
Radiology waiting rooms (q), (s)	Negative	2	12	Yes	N/R	max 60	70-75/21-24
Class A Operating Procedure room (a) (d)	Positive	3	13	N/R	No	20-60	70-75/21-24
INPATIENT NURSING							
Patient room (b)	N/R	2	6	N/R	N/R	max 60	70-75/21-24
Toilet room	Negative	N/R	10	Yes	No	N/R	N/R
Nurses nursery suite	N/R	2	6	N/R	No	20-60	75-70/22-26
Preoperative pre-induction room (b)	Positive	2	12	N/R	No	max 60	70-75/21-24
All room (a)	Negative	2	12	Yes	No	max 60	70-75/21-24
Combination All PP room	Positive	2	12	Yes	No	max 60	70-75/21-24
All anteroom (a)	(p)	N/R	10	Yes	No	N/R	N/R
PP anteroom (b)	(b)	N/R	10	N/R	No	N/R	N/R
Combination All PP anteroom	(p)	N/R	10	Yes	No	N/R	N/R
Labor delivery/recovery postpartum (LDR) (b)	N/R	2	6	N/R	N/R	max 60	70-75/21-24
Labor delivery/recovery (LDR) (b)	N/R	2	6	N/R	N/R	max 60	70-75/21-24
Patient Corridor	N/R	N/R	2	N/R	N/R	N/R	N/R
Nursing unit air room	N/R	N/R	2	N/R	N/R	N/R	N/R

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Consulting-specifying Engineer ,2003 *Guide for Hospital Buyers* ,2002 Infection Control Issues in the Environment of Care ,2005 Disease causing organisms result in nearly two million infections in hospitals each year and nearly 88 000 patients die as a result The text addresses the unique infection control issues within the environment of care for all health care settings **ASHRAE Journal** ,1995 **Guidelines for Design and Construction of Residential Health, Care, and Support Facilities** Facility Guidelines Institute,2014 The new standard was developed in response to the widespread adoption of person centered care and deinstitutionalization in the residential care industry Based on Part 4 Residential Care Facilities of the 2010 edition of the FGI Guidelines for Design and Construction of Health Care Facilities and public proposals submitted on that text in fall 2011 the book is divided into a section on planning and predesign a section on design and construction elements common to all facility types in the book and three sections grouped by facility type ANSI ASHRAE ASHE Standard 170 2013 Ventilation of Health Care Facilities has been included as Part 6 Facility Guidelines Institute website Guidelines for Design and Construction of Hospitals and Outpatient Facilities 2014 Facility Guidelines Institute,2014-01-01 This product of the Facility Guidelines Institute FGI provides minimum standards for design and construction of hospitals and outpatient facilities The standards for long term care facilities will appear in a new document for 2014 please see the entry for Guidelines for Design and Construction of Residential Health Care and Support Facilities Included in the Guidelines for Hospitals and Outpatient Facilities is information on the planning design construction and commissioning process and facility requirements for both hospitals and outpatient facilities Included are general hospitals psychiatric hospitals and rehabilitation facilities as well as new chapters on children s and critical access hospitals Outpatient facilities covered include primary care facilities outpatient surgery facilities birth centers urgent care centers mobile units outpatient psychiatric and rehabilitation centers facilities for endoscopy dialysis and cancer treatment and a new chapter on dental facilities In addition the 2014 Guidelines includes new material on safety risk assessments and medication safety zones increased requirements for commissioning infrastructure systems and updated requirements for surgery imaging endoscopy and dialysis facilities as well as primary care facilities and freestanding emergency facilities

Steam Sterilization and Sterility Assurance in Health Care Facilities Association for the Advancement of Medical Instrumentation,2002 **Sound & Vibration 2.0** David Sykes,Gregory C. Tocci,William J. Cavanaugh,2012-10-02 This document was commissioned by the Facility Guidelines Institute as the sole reference for acoustics in health care facilities It was written by the Health Care Acoustics Working Group a permanent committee of the Acoustics Research Council ARC comprised of members of leading professional societies in acoustics noise control engineering acoustical consulting and related professions ARC organized the health care Working Group in 2004 5 drawing its members from ten constituencies that range from medicine to law public policy architecture design and engineering in order to provide constructive guidance on sound and vibration based on research and best practices Sound and Vibration 2 0 has been adopted as the sole reference

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