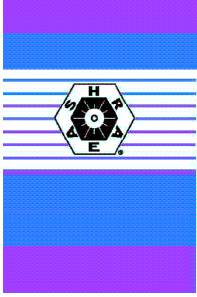


Table 4.1-2
Filter Efficiencies for Central Ventilation and Air-Conditioning Systems in Nursing Facilities

Area designation	Minimum number of filter beds	Filter efficiencies in MERV (%)	
		Filter bed no. 1	Filter bed no. 2
All areas for resident care, treatment, and/or diagnosis, and those areas providing direct service or clean supplies	2	7 (30%)	13 (80%)
Administrative, bulk storage, soiled holding, laundries, food preparation areas	1	7 (30%)	

Notes
1. MERV = minimum efficiency reporting value. MERVs are based on ASHRAE 52.2.
2. The filtration efficiency ratings are based on average dust spot efficiency per ASHRAE 52.1.

Particulate Matter and Filtration



BSR/ASHRAE/ASHE Standard 170P

Public Review

Draft

ASHRAE® Standard

Proposed New Standard 170, Ventilation of Health Care Facilities

Second Public Review (September 2006)
(Complete Draft for Full Review)

BSR/ASHRAE/ASHE Standard 170P, *Ventilation of Health Care Facilities*
Second Public Review Draft

Table 6.1—Minimum Filter Efficiencies for Heating, Ventilation and Air-Conditioning Systems in Health Care Facilities

Function of Space	Filter Bank no. 1 (MERV) ^a	Filter Bank no. 2 (MERV) ^a
Class B&C surgery; inpatient and ambulatory diagnostic and therapeutic radiology; inpatient delivery and recovery spaces.	8	14
All spaces for inpatient care, treatment, and diagnosis, and those spaces providing direct service or clean supplies and clean processing (except as noted below); <i>Airborne Infection Isolation rooms (AIIR)</i> ;	8	14
Protective environment rooms (PE); large organ transplant surgery; orthopedic surgery.	8	17 (HEPA)
Laboratories; Class A surgery and associated semi-restricted spaces	13 ^b	Not Required
Administrative; bulk storage; soiled holding spaces; food preparation spaces; and laundries	8	Not Required
All other outpatient spaces	8	Not Required
Skilled nursing facilities	8	Not Required

Note a: The Minimum Efficiency Reporting Value (MERV) is based on the method of testing described in ANSI/ASHRAE Standard 52.2 (see bibliography).
Note b: Additional roughing prefilters may be used to reduce maintenance for filters with efficiencies higher than MERV 8.
