

Table 7.3
Filter Efficiencies for Central Ventilation and Air Conditioning Systems in General Hospitals

Area designation	No. filter beds	Filter bed no. 1 (% <u>MERV</u>)	Filter bed no. 2 (% <u>MERV</u>)
All areas for inpatient care, treatment, and diagnosis, and those areas providing direct service or clean supplies such as sterile and clean processing, etc.	2	30 <u>(7)</u>	90 <u>(14)</u>
Protective environment room	2	30 <u>(7)</u>	99.97 <u>(16)</u>
Laboratories	1	80 <u>(13)</u>	--
Administrative, bulk storage, soiled holding areas, food preparation areas, and laundries	1	30 <u>(7)</u>	--

Notes

MERV = minimum efficiency rating value. MERVs are based on ASHRAE 52.2.

Additional roughing or prefilters should be considered to reduce maintenance required for filters with efficiency higher than 75 percent.

The filtration efficiency ratings are based on average dust spot efficiency per ASHRAE 52.1-1992.