

SECTION 15885 - "AIR CLEANING"

- 1.0 Water and oil wash systems are prohibited.
- 2.0 Carbon type filters are permitted for special applications requiring the removal of gases only after review and approval by the Office of the University Engineer.
- 3.0 The minimum filter arrangement for supply air handling units for any application (laboratory, office, etc.) shall be specified as **30% efficient pre-filter and 95% efficient final** filter as tested in accordance with ASHRAE Standard 52.1. The maximum filter face velocity shall not exceed 500 feet per minute (FPM).
- 4.0 For each project application, review the following items with the Office of Environmental Health and Radiation Safety (OEHS):
 - A. Filter arrangement (draw through vs. blow through, etc).
 - B. Higher efficiency applications requirements (HEPA, etc.).
 - C. Applications that require terminal filtration, vivarium holding room exhaust grilles, BL-3 labs, etc.
- 5.0 Any deviation from the above standard filters must be submitted to the University's Representative for review and approval.
- 4.0 For fan sizing purposes, the manufacturer's recommended maximum "dirty" static pressure drop shall be used.
- 5.0 Refer to HVAC Section 15500 for other specific system filtration requirements.

END OF SECTION