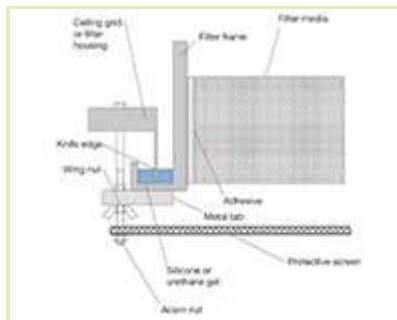


HEPA and ULPA Filters

By **Ed White** May 22, 2013 12:16 pm EDT



High efficiency particulate air (HEPA) filters and ultra-low penetration air (ULPA) filters are used in almost every aseptic process HEPA filters have an efficiency of at least 99.97% for 0.3-micrometer particles. ULPA filters have an efficiency of at least 99.999% HEPA and ULPA filters consist of a filter frame, filter media, separators, bond material, and gasket material HEPA and ULPA filters work by the sieve effect, inertial impaction, interception, and diffusion Use of HEPA and ULPA filters in critical zones is mandated by US and international current good manufacturing practice (CGMP)...

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