

IMPROVED FILTER MEDIA ACTIVE FIELD POLARIZED MEDIA AIR CLEANER

Abstract

Filter media for an active field polarized media air cleaner includes two layers of dielectric material with a higher resistance air permeable screen sandwiched between the lower resistivity electric layers. The filter media may further include a mixed fiber filter layer having fibers from different sides of the triboelectric scale. The filter media may further include a layer of relatively higher density dielectric material followed by a layer of relatively lower density dielectric material.

Figure: 6