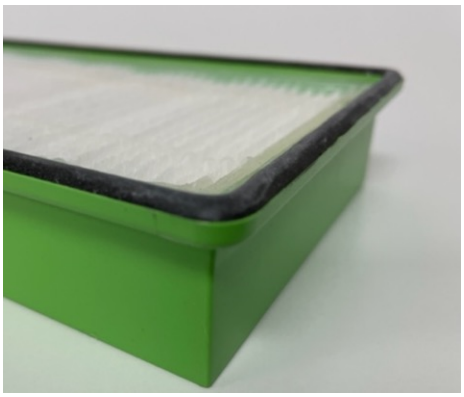
Foam In Place Gasketing

Columbus Industries employs Computer Numerically Controlled equipment to apply gasket material to the face of air filters. This gasket is a foaming, two part urethane material that can be configured into gaskets with varying durometers and varying sizes. Because it is applied with CNC equipment it is a consistent and accurate method for applying gaskets to air filters. There are three basic configurations of flat panel style filters with FIP gasket:

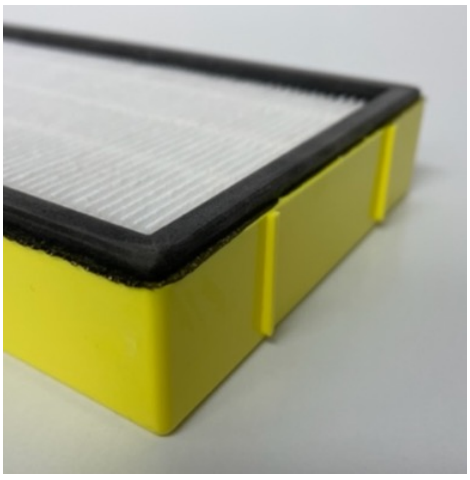


Design #1: Small Mating Surface

In this configuration, the gasket is applied to same side as sealant used to adhere the filter pack to the plastic filter frame. This configuration usually yields a gasket that is higher in durometer and is appropriate when its mating appliance has a small mating surface in the filter plenum.

Design #2: Maximize Filter Pack Space

In this design, the filter gasket is applied to the opposite side of the sealant used to adhere the filter pack to the plastic frame. This design is employed to maximize the amount of space for the filter pack. This gasket design is typically wider and softer and is most often used on larger filters.



Design #3: Dual Purpose

In this design, the FIP gasket serves a dual purpose. Not only does it provide a continuous flat, soft gasket surface but it is also used to seal the pleat pack to the filter frame. In this design the filter frame could be either plastic or chipboard. This filter design is very cost effective and allows most of the filter envelope to be used for the filtration media pack.