



TOTAL FILTRATION SERVICES

Protecting Equipment with Permatron Prevent Screens

Customer Case Study



PROFILE

This customer is a tier-1 supplier to the automotive industry located in Grand Rapids, MI. They manufacture automotive interior, exterior and wheel trim and have several facilities with applications requiring filtration.

CHALLENGE

During a routine sales call, the customer directed their TFS Account Manager to the compressor room to discuss intake filters on their compressor units. Upon reviewing the application, TFS observed the current solution included the use of bulk rolled polyester media, which was manually cut to fit each unit.

TFS informed the customer of the air bypass issue the current solution was producing, as the media wasn't always cut accurately and often didn't fit into the frames. As a result, each unit was at risk of being corroded and causing compressed air tools and equipment to fail.

THE TFS SOLUTION

TFS recommended the customer apply the Permatron PreVent® intake filter, which is a vinyl screen sized to fit any equipment and can be directly mounted or applied magnetically for easy installation and removal. The PreVent® screen is a washable filter that can be re-used by simply blowing-off dust and debris with compressed air or washed with detergent if oils are present.

TFS provided samples of the PreVent® screen and was able to show the customer how they could improve the level of protection for their equipment and improve efficiency by eliminating the manual cutting process.

Each compressor unit was measured so PreVent® screens could be manufactured and supplied at the exact dimensions needed to prevent air bypass and fully protect air intakes.

RESULTS

The maintenance team is extremely satisfied with the PreVent® intake filter screen solution and have ordered a spare set of screens for each unit. They are also using the PreVent® throughout the rest of the facility to ensure the air intakes for all of their equipment is protected.

TFS recommended a solution that went beyond the customer's initial request and lowered the total cost of ownership in the following ways:

- Customer equipment and tools are adequately protected and are no longer at risk of being clogged with debris and requiring costly repairs.
- Elimination of manual cutting of media allows the maintenance team to re-allocate resources and avoid potential injuries from repetitive motion and lacerations.
- Eliminated waste resulting from excess material and dirty media.
- Achieved cost savings by using a re-usable product instead of continually replacing media.