

Truck Engine Manufacturer Implements ZGF Automatic Filtration System on Engine Washer to Reduce Maintenance and Improve Process Reliability



Metalworking / Part Washing



Each EC700S pod has (7) proprietary ZGF 50µ absolute gap, Spring Filters



ZGF EZ Clean EC700S, 6-Pod Automatic, Permanent Media Filtration System, design flowrate of 600 gpm

Customer Challenge:

A manufacturer of truck engines was upgrading four parts washing lines as well as installing four new lines. The new engine cleanliness specification required the wash solution to be extremely clean. In addition, the customer wanted automatic filtration rather than traditional bag filters.

Our Solution:

ZGF proposed a trial to determine the best technology for this application. Over a one-month period, onsite tests were performed including particle analysis, backwash efficiency, and overall reliability.

In each category, the Zero Gravity Filter proved superior to the traditional bag approach and another automatic filter. Based on the trial results, the Zero Gravity Filter system was chosen. A ZGF EZ Clean EC700S, 6-Pod automatic filtration system fitted with our proprietary ZGF Spring Filter elements (50µ absolute gap) was installed on each of eight truck engine parts washers.

Results:

The ZGF EC700S / Spring Filter system systems performed extremely well meeting all customer objectives.

- ✓ Bag filters and the associated purchase, shipping, inventory, changeout and disposal costs have been eliminated
- ✓ Daily / routine filter maintenance has been eliminated
- ✓ Wash solution cleanliness is consistent and within program specifications
- ✓ Process and equipment reliability is excellent

ZGF automatic, permanent media filtration system reduces the burden on maintenance and improves process reliability