

Success Story

Application: Parts Washer

Industry Classification:

Automotive



Background: A manufacturer of truck engines was upgrading four parts washing lines as well as installing four new lines. The new engine program required a tight product cleanliness specification, which required that the water used to clean the part be extremely clean. In addition, the customer wanted automatic filtration rather than traditional bag filters.

The manufacturer of the parts washing equipment, together with the customer, narrowed the field of filtration alternatives to two approaches, including Zero Gravity Filters.

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.

Solution: Based on the trial's results, the Zero Gravity Filter system was chosen. A six pod System 2000 is installed on each of eight parts washers.

Application Details:

Flow Rate: 600 gpm
Micron Rating: 50 micron
Loading: High

Filter Specifications:

Filter: 6 pod System 2000
Controls: OEM's specs, Siemens PLC
Frame: Lowered to fit washer specs

Results: Trials proved very successful for both particle retention at 50 micron as well as backwash efficiency. A total of eight System 2000 filters were supplied.

Date: December 7, 2000