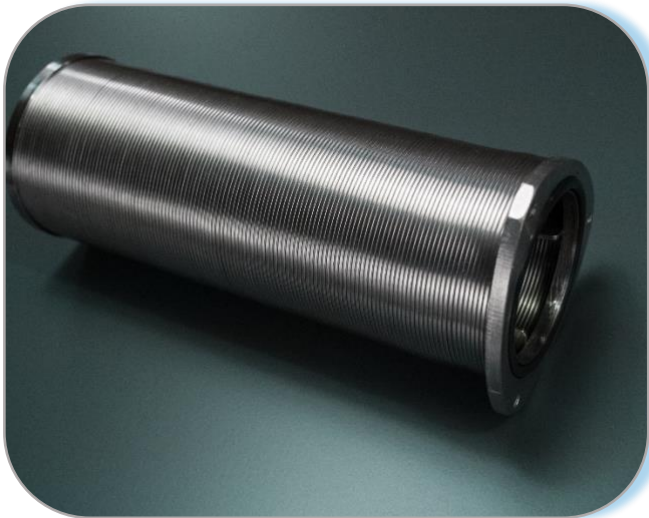


Automotive Transmission Manufacturer Reduces Test Stand Operating & Maintenance Costs



Each Pod contains (1) proprietary, ZGF Spring Filter element with a 50 micron absolute gap



**EZ Clean EC100 Duplex Automatic Filter with Controls
Flowrate: 20 gpm**

Customer Challenge:

A manufacturer of automotive transmissions wanted to maintain or improve the cleanliness of the test stand fluid and reduce maintenance and operating costs associated with the test stand.

The test stand consisted of a single tank and pump, and a single disposable filter cartridge.

The filter fouled frequently which caused the test stand to shut down, placing a burden on the limited maintenance staff. Filter cartridge replacement cost was \$170 per day.

ZGF Solution:

ZGF installed an EZ Clean EC100 duplex automatic filtration system. The new system included a new “dirty” tank and pump. Test stand fluid drains into the new dirty tank and is pumped through the EC100 fitted with 50 μ Spring Filter elements. The filtered fluid flows into the existing “clean” tank where the existing pump delivers clean fluid to the test cell.

Results:

- The new dirty tank / clean tank design allows for multi-pass filtration and provides consistently cleaner fluid to the test stand
- The manufacturer is currently saving \$170 in disposable media costs per day.
- **The estimated savings are providing a pay back of less than three months based solely on the cost of the filter cartridges.**
- The manufacturer realized additional operating and labor costs in that they are no longer required to purchase, stock, and dispose of all those cartridges.
- The customer purchased a second ZGF filtration system for another test cell.