

Automotive Supplier Installs ZGF EZ Clean Automatic Filter on Cooling Tower to Improve Productivity and Reduce Maintenance Costs



HVAC



**Each Pod contains (7)
proprietary, absolute gap
ZGF Spring Filter elements**



**EZ Clean EC700S, 4-Pod Filter
Flowrate: 1,200 gpm
Filtration: 125µ Absolute Gap**

Customer Challenge:

An automotive supplier of interior door panels was experiencing problems related to significant ingress of debris into its cooling tower. The debris was due to ongoing construction of the facility as well as nearby development projects and typical airborne contamination. The plant had installed "Y" strainers prior to each of its mold machines to prevent cooling jackets and cooling manifolds from blinding with debris. The strainers were not effective. The plant was continually cleaning the strainers which contributed to machine downtime as well as increased labor costs. The lost production and increased labor cost were not acceptable to management. The maintenance team was instructed to find a better solution.

ZGF Solution:

Full flow, automatic filtration was recommended. A ZGF EZ Clean EC700S, 4-Pod automatic filtration system was installed. The EC700S, 4-Pod is filtering the plant's entire cooling water flow and is protecting the mold machines, chiller, plate heat exchanger, and air compressors.

Results:

- Improved Productivity – No lost production due to dirty cooling water
- No regular maintenance - The filter unit has operated without downtime for several years. The "Y" strainers, while still installed, have not been cleaned, and maintenance of the cooling water has been significantly reduced.
- **Implementation of the ZGF EC700S filtration system has resulted in lower operating costs, improved productivity, and a better work environment by reducing the workload placed on the maintenance staff.**