

# ZGF Green Screen Product Data Sheet

The Most Advanced, Automatic,  
Non-Disposable Liquid Filtration System



*Performance, Simplicity, Consistency, Reliability and the Lowest Cost of Ownership*

The ZGF Green Screen is a backwash fluid recovery device.

Machining coolants, metalworking fluids, quench fluids, wash solutions and many other fluids processed through ZGF EZ Clean filters are extremely valuable. These fluids are expensive to purchase and expensive to dispose of or recycle. When the Green Screen is used as a backwash fluid recovery device with an EZ Clean filter, virtually none of this valuable fluid is lost.

### The Green Screen backwash fluid recovery device:

- requires minimal maintenance or operator interface
- provides consistent and reliable performance
- utilizes gravity settling and a permanent media filter panel – NO disposable media
- has a compact design
- is simple, clever, and effective



### Green Screen Overview

The Green Screen backwash fluid recovery device utilizes a combination of gravity and a permanent media barrier to capture the solids from the filter backwash and return the valuable fluid back to the process.

- ✓ 304 stainless steel construction
- ✓ Approximate Footprint: 2' x 2' x 4' high
- ✓ Connections:
  - Inlet: 2" NPT
  - Outlet: 1.5" NPT
  - Waste: 2" NPT

### Green Screen Description and Operation

- The Green Screen is a manual device. Automation is available upon request.
- Backwash fluid from a ZGF EZ Clean automatic, permanent media filtration system is directed into the Green Screen.
- The Green Screen utilizes a series of baffles to reduce velocity and encourage settling of solids into the solids collection hopper at the bottom of the device.
- The larger and heavier solids will settle and collect in the hopper.
- Smaller and lighter solids, that do not settle, are captured by a permanent media filter panel. The permanent media filter panels are easily removed and cleaned, as required.
- The flow of fluid from the Green Screen back to the process is via gravity. If gravity flow is not feasible, then ZGF can provide a pump back system.
- On a periodic basis:
  - ✓ The valve on the bottom of the hopper must be opened to discharge the collected solids.
  - ✓ The permanent media filter panel must be removed and cleaned.