ZGF EZ Clean EZ700S
Product Data Sheet

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

ZERO GRAVITY FILTERS

The Most Advanced, Automatic, Non-Disposable Liquid Filtration System
Performance, Simplicity, Consistency, Reliability and the Lowest Cost of Ownership

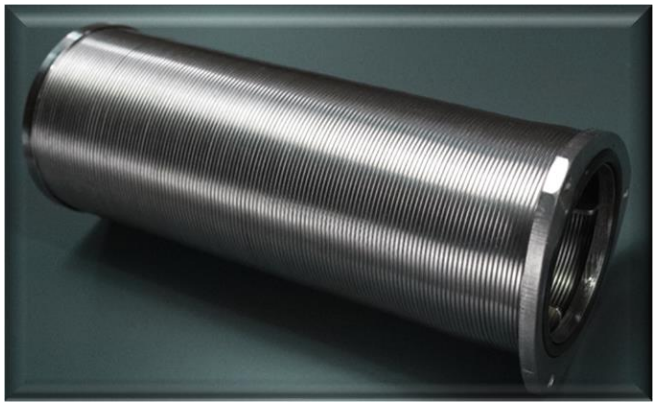
The EZ700S's modular "pod" design can meet any flow requirement greater than 200 gpm. The system flowrate and level of filtration (micron rating) determines the required number of pods.

The design allows for 24/7 uninterrupted operation.

The standard EZ700S is fabricated from 304 stainless steel. ZGF can also provide the pods and manifolds in 316 stainless steel and Super Duplex.

The EZ700S features three modes of backwash control - automatic based on differential pressure or time, and manual override.

Each EZ700S Pod includes (7) ZGF Spring Filter elements. The proprietary, non-disposable, absolute gap filter elements are available in micron ratings ranging from 20 – 400 micron and are guaranteed for 5-years!



The ZGF Spring Filter element to opens uniformly along its entire length during backwash. The benefits are as follows:

1. Particles wedged or lodged are quickly released and washed away as the gap is increased.
2. The Spring filter element "shimmers" which further enhances the cleaning process.
3. The moment the filter element begins to open during backwash, the fluid velocity is instantaneously increased and subsequently followed by a surge in flow that scours the coil effectively and efficiently removing the contaminants.

EZ700S	Precision Absolute Gap							
Design Flowrate per Pod	20 µ	35 µ	50 µ	75 µ	100 µ	150 µ	200 µ	400 µ
	70 gpm	128 gpm	175 gpm	225 gpm	300 gpm	300 gpm	300 gpm	300 gpm

NOTES:

1. ***The design flowrate is a GUIDELINE based upon a <u>clean differential pressure of 2.5 psi or less</u>.*** *The solids loading in the feed stream can also impact the design flowrate.* **<u>MAXIMUM flowrates are documented in the Product Specification Sheets</u>.**
2. ***Backwash Volume*: ~16 gallons per Pod**
3. *Based on "663" Spring Filter elements.*
4. *The solids loading, physical characteristics, material and density of the particles impact system sizing / design flowrate. 500 ppm is typical maximum loading for ZGF EZ Clean filtration systems utilizing the proprietary ZGF Spring Filter elements.*
5. *Designed for continuous service up to 190°F and pressures from 45 - 120 psi.*

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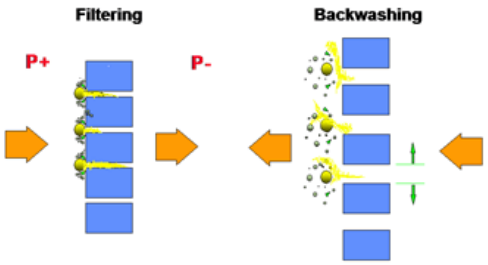
ZGF EZ700S filters provide value in several industries including Automotive, Steel, Power Generation, Food Processing, Pulp & Paper, HVAC, and Oil & Gas. EZ700S systems are used to filter machining coolant, wash solutions, process / cooling water, wastewater, white water, surface water and many other aqueous fluids.

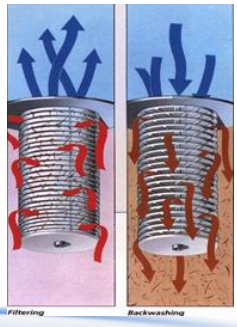
EZ700S FEATURE	YOUR BENEFIT
Full 1-year warranty on Phoenix filter assembly & 5-year warranty on Spring Filter elements	Peace of mind, Reduced operating and maintenance costs
Fully automatic, self-cleaning operation	Reduced maintenance and operating costs, Labor is now available for other value-added plant services
ZGF Spring Filter - precision engineered "Absolute Gap" manufactured to Aerospace specifications	Consistent and efficient particle capture & removal, Improved quality and lower operating costs
ZGF Spring Filter element "Continuous Coil wound with a Variable Pitch"	All contaminants are cleaned off the filter element during the backwash cycle, Consistent & reliable performance
Uninterrupted flow, even during backwash	24-hour / 7-day operation, eliminates downtime, allows for optimized operational productivity
Consistent and reliable performance	Improved quality and lower operating costs
In-line design	Eliminates need for additional pumps, motors and controls reducing maintenance and operating costs
Modular design	Easily configured to fit available space, Easy to expand
Low energy requirement	It uses less energy than a light bulb. Economically and environmentally responsible
Efficient and environmentally responsible design	Creates no additional waste (i.e. no disposable media, no packaging). It uses less energy than a light bulb.
Secondary batch processing system (Green Screen)	Allows for recovery of valuable process fluids and reduces waste. Reduced operating costs.
Permanent media (i.e. non-disposable) filter elements (316 Stainless Steel, Inconel/Super Duplex)	Replacement not required, No waste, No disposal, Improved Productivity
Minimal moving parts through simplicity of design	Increased reliability, Reduced maintenance and operating costs



100% clean with each and every backwash

ZGF Phoenix Backwash

- ✓ Quick: 3 to 4 seconds per filter element
- ✓ Efficient: <1 gallon per filter element
- ✓ Effective: 100% clean with each backwash



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