Schroeder INDUSTRIES
Advanced Fluid Conditioning Solutions®
Proudly Manufactured In The United States

ELEMENT TECHNOLOGY

Product Line Overview

Excellement® Z-Media®

GeoSeal®

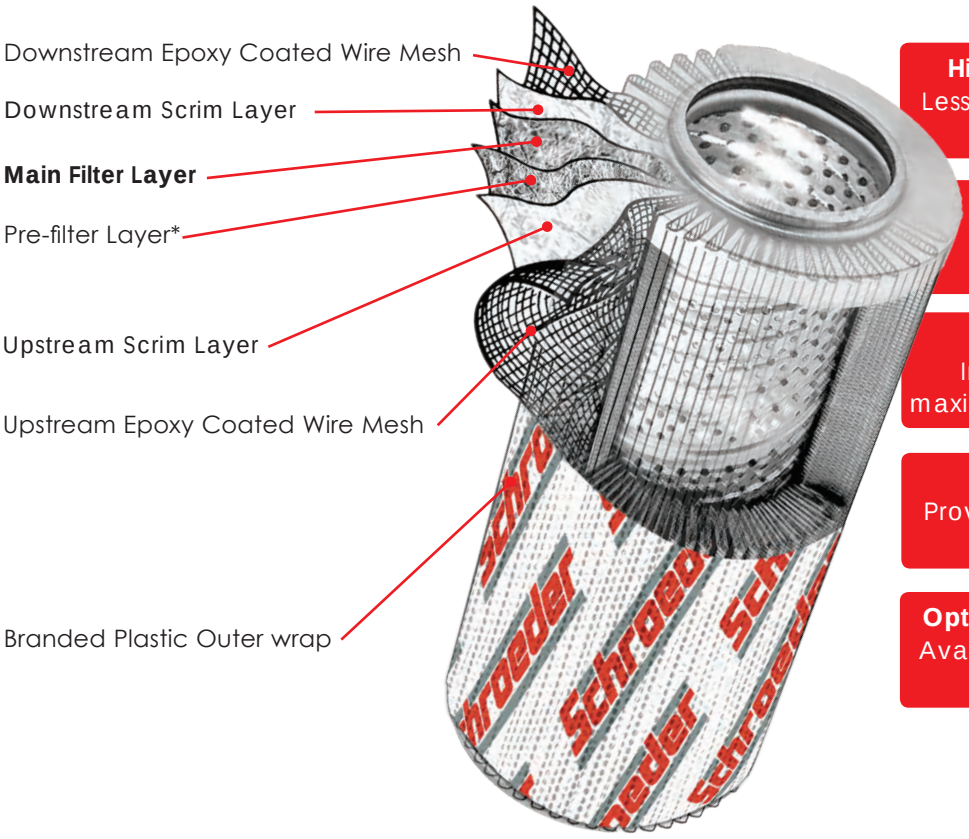
Anti-Stat Pleat Elements

BestFit® Elements

Coalescing Elements

EXCELLEMENT
Synthetic Microglass Filtration Media

Optimized Media Layers



High Cost-Effective Media Area
Less restriction, lower pressure drop, lower hydraulic load

Wire Mesh Upstream and Downstream
Better pleat stability

Multilayer Filter Media
Intricate passageways for the maximum entrapment of dirt particles

Multilayer Media Support
Provides strength and protection to the support media layers

Optimized for Different Applications
Available in a wide range of micron ratings and element sizes

The special class of micro-glass and other fibers used in Z-Media® are manufactured with utmost precision, to specific thicknesses and densities, and bonded with select resins to create material with extra fine passages.

Element Media	Filtration Ratio Per ISO 16889			
	ßx(c) ≥ 75 (98.7%)	ßx(c) ≥ 10 (99%)	ßx(c) ≥ 200 (99.5%)	ßx(c) ≥ 1000 (99.9%)
Z1	<4.0	<4.0	<4.0	4.2
Z3	<4.0	<4.0	<4.0	4.8
Z5	<4.0	4.2	4.8	6.3
Z10	6.8	7.1	8.0	10.0
Z25	16.3	17.1	19.0	24.0

* Where applicable

Excel-ZPlus®

- ♦ True β1000 Efficiencies at 5 and 10 micron
- ♦ Highest Dirt Holding Capacity in the market
- ♦ Lowest pressure drop over the life of the element
- ♦ Backed by intensive R&D and validated by several rounds of testing

REHENSIVE ELEMENT SOLUTIONS

GeoSeal®

- Provides a unique way for OEM's to retain replacement element business and keeps a filter's performance at the level that it was supplied
- The critical sealing arrangement between a filter housing and its replacement element takes on a shape other than the standard circular arrangement. The element grommet and mating bushing are given a unique geometric shape.

DirtCatcher®

- DirtCatcher® elements, a superior alternative to inside-out filtration
- An outer shell prevents contaminants from falling back into the system during element changes
- Provides the excellent dirt retention of Excellement® media
- Available in single and double length K, BB, and 18L size elements

Coalescing Elements —

- Designed to provide the highest water and particulate removal efficiency from today's ULSD and biodiesel based fuels
- Patent-pending, three-phase, particulate and fuel/water separation media technology
- Tested according to the SAE J1488 water removal test and ISO 16889 particulate removal test, modern standards used to evaluate today's fuel cleanliness technology

CNG Elements —

- For the removal of contaminates including water, compressor oil, rust, and scale from compressed gasses
- Provides the necessary protection of sensitive alternative fuel system components, extending system life and reducing overall maintenance costs
- High quality solutions available for common dispensing and on-vehicle applications operating pressure of 3,000 psi

Schroeder ASP —

For Varnish Protection

- Developed to greatly reduce or eliminate electrostatic discharging problems that can occur during filtration of hydraulic and lube fluids by combining proven Excellement® media and ASP technology, it is now possible to offer both high filtration efficiency and electrical conductivity

AQUA EXCELLEMENT®

- Schroeder's AquaExcellement® filter elements excel at removing both water and solid particulates from petroleum-based fluids
- Currently available in cartridge (K-size) and 10M size spin-ons

BestFit®

- Affordable filtration solution that are sized to fit a wide variety of applications and replace a wide range of competitor elements
- Cartridge and Spin-on styles available
- Variety of media grades (cellulose, synthetic, water removal, anti-stat, stainless steel, metal mesh)
- Available for private label branding
- Over 40,000 cross references online
- **Visit our online converter: http://schroederindustries.info/CrossReference.aspx**

F-Pack Elements —

For Power Generation

- Today's high demand for the use of fire-resistant fluids; assuring safe and dependable operation in an electro hydraulic system (EHC) demand peak performance
- The change-over to "F" pack media from a traditional, high performance, synthetic media results in lower clean pressure drop and higher efficiency
- This change eliminates cast-off, or shedding of synthetic fibers, which can result in component failure

Markets Served

ELEMENT TECHNOLOGY

L-4360 | 2019

EXCELLEMENT® Synthetic Microglass Filtration Media

BUILT WITH

- Excel-ZPlus
- BestFit® PERFORMANCE REPLACEMENT ELEMENT
- AQUA EXCELLEMENT®
- CoreCentric® CORELESS ELEMENT WITH BACKBONE
- SchroederASP
- DirtCatcher® there's no way out!
- Schroeder COALESCING ELEMENTS
- Schroeder CNG ELEMENTS
- GeoSeal®

A wide range of Schroeder Z-Media®

Schroeder Z-Media® elements are tested under cyclic flow conditions to verify flow fatigue characteristics. Extra strength and rigidity are engineered into every one of these filter elements through the use of stainless steel wire fabric and additional support layers. (ZX Series high crush strength capabilities are available for 3000 psi applications.)

A wide range of Schroeder Z-Media® elements enable you to achieve the desired cleanliness level for your system. Developed through comprehensive laboratory testing and field performance studies.

We are confident that the high efficiencies, exceptional dirt holding capacities, and low pressure drops—combined with Schroeder's competitive prices— make elements made with Z-Media® the best value in the market today.

Visit us online @ www.schroederindustries.com for our complete product offering!

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