Schroeder INDUSTRIES

Advanced Fluid Conditioning Solutions®

Eliminate Spin-On Filter Waste!

A spin-on alternative engineered for the future.

SCB Sustainable Cartridge Bowl

In the world of traditional spin-on filters, convenience comes at a cost:

Wasted metal.

Wasted oil.

Wasted potential.

Meet the **Sustainable Cartridge Bowl**

Spin-on design that changes the game.

>90%
less scrap metal waste

>80%
less hydraulic oil waste

>80%
less CO_2 emissions

Improved Performance

Carbon-Cutting

Longer System Life

Sustainably Designed

Cost-Saving

A Filter Engineered for the Future

The SCB is Schroeder Industries' answer to the wasteful design of conventional spin-on filters.

Current spin-on filter technology contributes to waste and CO2 emissions in two primary ways: wasted scrap metal and wasted oil. This waste takes up landfill space and contributes to emissions released during filter production.

Let's see how the SCB's carbon footprint compares to a conventional spin-on filter:

7" Typical Cellulose Spin-On	SCB1 (7")
Scrap Metal Waste Per 1,000 Units	
1,966lbs	20lbs
Oil Waste Per 1,000 Units (If Not Properly Drained)	
450gal	57.2gal
CO_2 Emissions Per 1,000 Units	
~10,600lbs	~1,300lbs

>90% reduction

>80% reduction

>80% reduction

Innovation from the Experts in Filtration:

The patented coreless filter element design of the SCB allows for simple, secure change-outs that preserve the housing bowl and dramatically reduce waste.

- The outer shell is injection-molded plastic, supported by an internal steel tube and flange structure for a lightweight, yet rugged housing bowl.
- The end cap of the filter element slides over the bowl, forming a secure seal along the outer rim and preventing operation without a filter element in place.

Powered by Schroeder Industries' Element Technology

With support from epoxy-coated wire mesh, pleat stability, efficiency, and dirt holding capacity are increased.

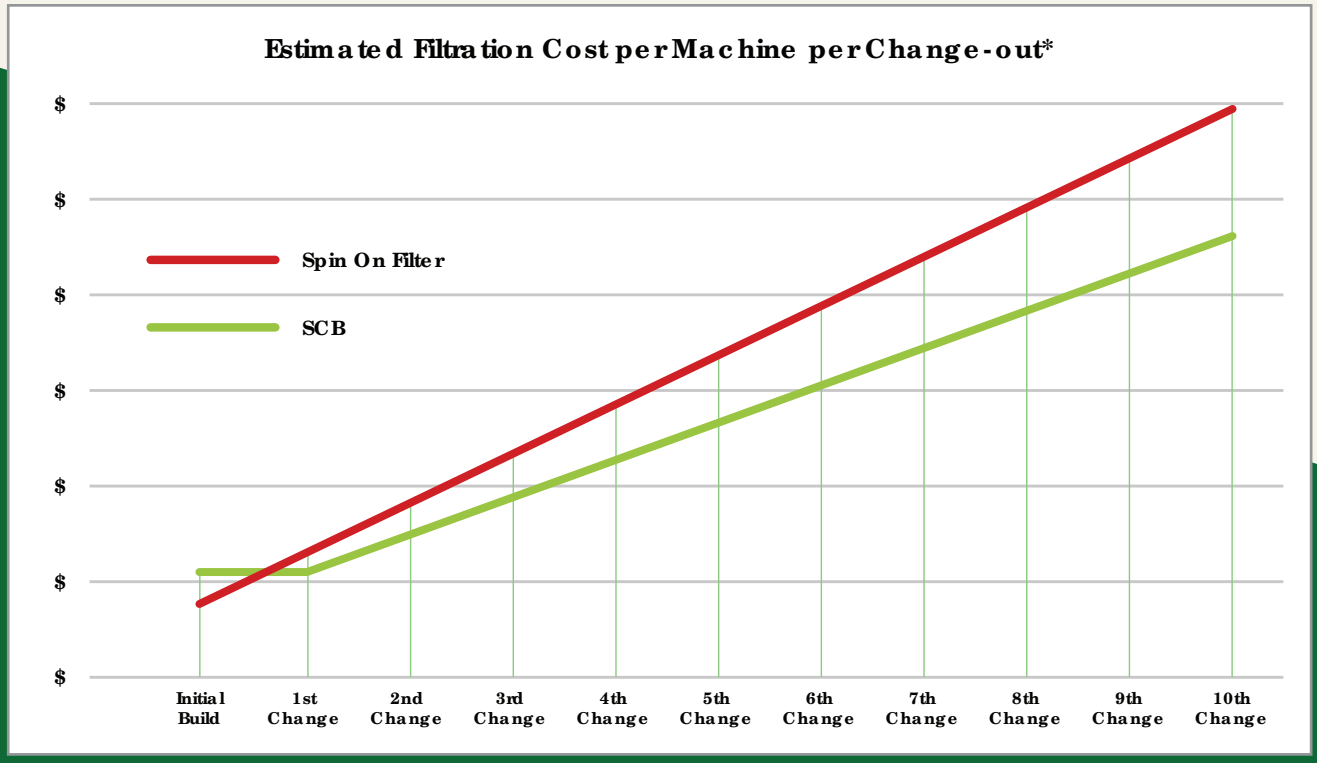
- The coreless element design is easily shredded and compressed or incinerated for disposal, taking up less space in landfills than a conventional spin-on filter.

Carbon-Cutting Filtration, Without Compromise

Schroeder Industries believes that sustainable filtration does not have to come at the expense of cost-effectiveness and high performance.

How can being green, save you green?

With a reusable housing bowl, only the filter element must be replaced, which results in exponential savings after just a few element change-outs. Over the lifetime of a given piece of equipment, these savings can be substantial!



NOTE: The initial SCB kit comes with one bowl and two elements, so your first change-out is already paid for!

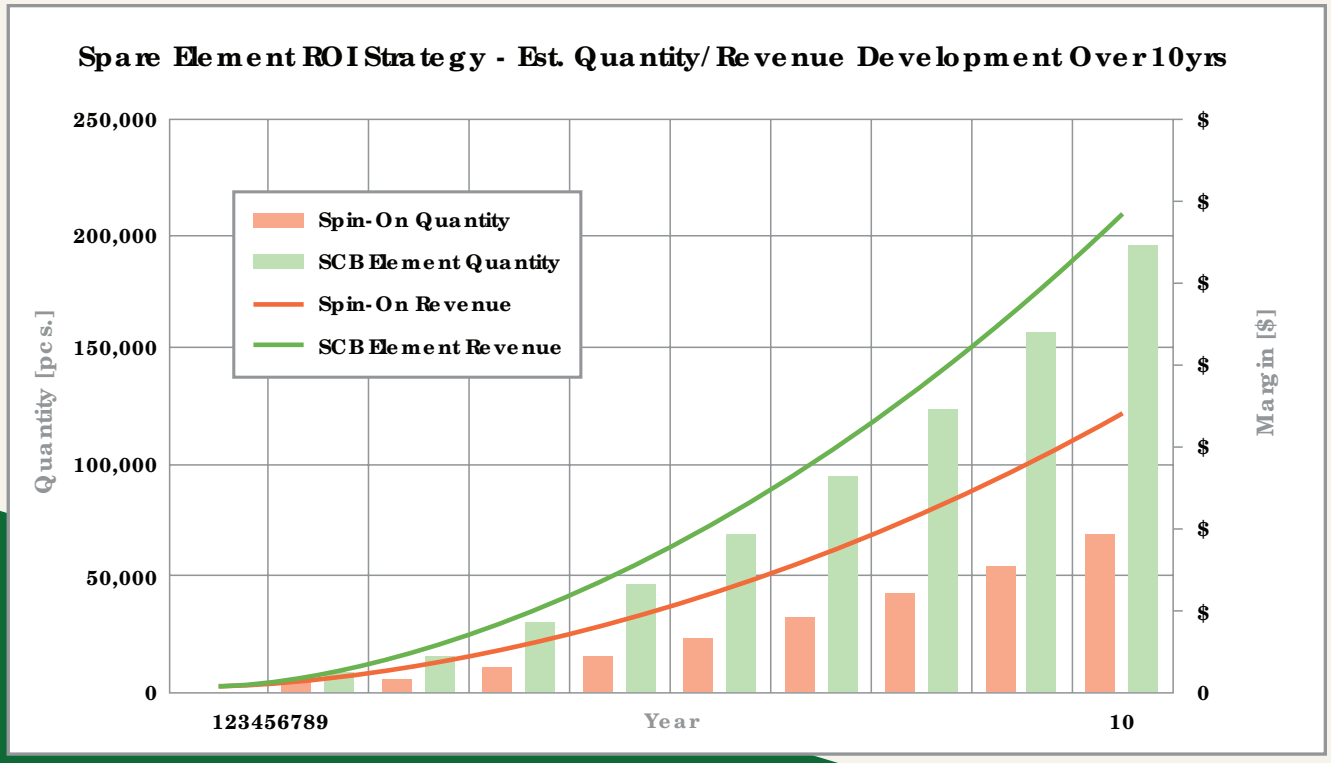
**Contact Schroeder Industries or a verified Schroeder distributor for pricing information.*

Increase profit margins through an SCB-driven spare element strategy.

The average aftermarket filter element retention for OEMs is just ~35%.

However, the Quality Protection built in to every SCB bowl and element prevents the use of subpar third-party elements. Not only does this help the end user protect their vital equipment, **it can boost aftermarket retention for OEMs to as high as 100%.**

Assuming 1,000 machines are produced per year, with 4 element changes per year, substantial gains in aftermarket revenue are possible through a spare element sales strategy:



Ask about private labeling for additional aftermarket revenue!

Engineered for Excellence

Schroeder Industries subjected the SCB to intensive laboratory analysis, validating its durability under extreme testing conditions:

Tested for Toughness

Impact and leak tested to verify durability.

Performs Under Pressure

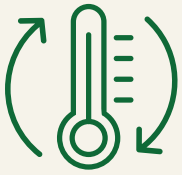
Cyclic pressure tested to 175psi for 1 million cycles.
Bowl burst rating >600psi for a 4:1 safety factor.

Exceptional Filtration

Balances higher dirt holding capacity with lower differential pressure versus conventional spin-on filters.

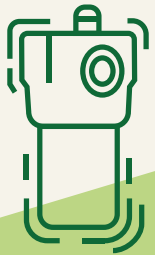
Longer Service Intervals

High-quality filter element design extends change-out intervals, keeping your equipment active for longer.



Withstands Extreme Conditions

Hot and cold cyclic tested to verify durability and high performance in extreme operating environments.



Good Vibrations

Vibration tested to BS EN 61373 spec; rated to endure extreme rail vibration harmonics.

Tested Against Industry Standards:

ISO 4548-14 – Cyclic Testing
ISO 3968 – Performance Testing
ISO 16889 – Performance Testing
BS EN 61373 – Vibration Testing
UL 1105 Spec – Impact Testing
NFPA T2_06_01 – Static/Cyclic Testing
ISO 4548-13 – Static Testing

Sustainable Cartridge Bowl Fluid Compatibility	
Petroleum-Based Fluids:	Z-Media® and Anti-Static media (synthetic)
High Water Content:	All Z-Media® and Anti-Static media (synthetic)
Invert Emulsions:	10 and 25µm Z-Media® and 10µm Anti-Static media (synthetic)
Water Glycols:	3, 5, 10 and 25µ Z-Media® and all Anti-Static media (synthetic)

Sustainable Cartridge Bowl Specifications	
Flow Rating:	50 gpm (190 L/min)
Max. Operating Pressure:	150 psi (10 bar)
Burst Pressure:	600+ psi (41.4+ bar)
Temperature Range:	-20°F to 225°F (-29°C to 107°C) *up 250°F (121°C) with Viton*
Replacement Element Case:	6 elements

Available in these standard sizes:

7” SCB, 10” SCB

Multiple micron & media options available:

- **Media Types:** Synthetic, Anti-Static, Water Removal, etc.
- Offered in Buna Nitrile and Viton Seals for fluid compatibility

One Solution, Virtually Endless Compatibility

BT8510-MPG	P550387	934200	TT75S-8-25B
B239	HC7500SCN4H	934200Q	TT75S-8-25V
BT287	HC7500SCN4Z	FA511CC10	TT75S-8-3B
BT287-10	HC7500SCN8H	FA511CC25	TT75S-8-3V
BT387-10	HC7500SCN8Z	FA57CC10	TT75S-8-6B
BT388	HC7500SCS4H	FA57CC25	TT75S-8-6V
BT8307-MPG	HC7500SCS4Z	PR3959	LE-10
BT8308-MPG	HC7500SCS8H	PR3960	LE-25
BT8309-MPG	HC7500SCS8Z	PR3961	LE-3
BT8310-MPG	HC7500SCT4H	PR3962	SE-10
P165762	HC7500SCT4Z	PR3963	SE-25
P165875	HC7500SCT8H	PR3964	SE-3
P165876	HC7500SCT8Z	TT75S-4-10B	ZGCE-03
P165877	926169	TT75S-4-10V	ZGCE-10
P165878	926170	TT75S-4-25B	ZGCE-25
P167162	926541	TT75S-4-25V	ZLE-03
P167832	927736	TT75S-4-3B	ZLE-10
P169430	928766	TT75S-4-3V	ZLE-25
P176830	928767	TT75S-4-6B	ZSE-10
P550250	929445	TT75S-4-6V	ZSE-25
P550251	929446	TT75S-8-10B	R750-H-0403A
P550252	932073	TT75S-8-10V	R750-H-0406A

Discover over 1,000 crossovers (and counting)!

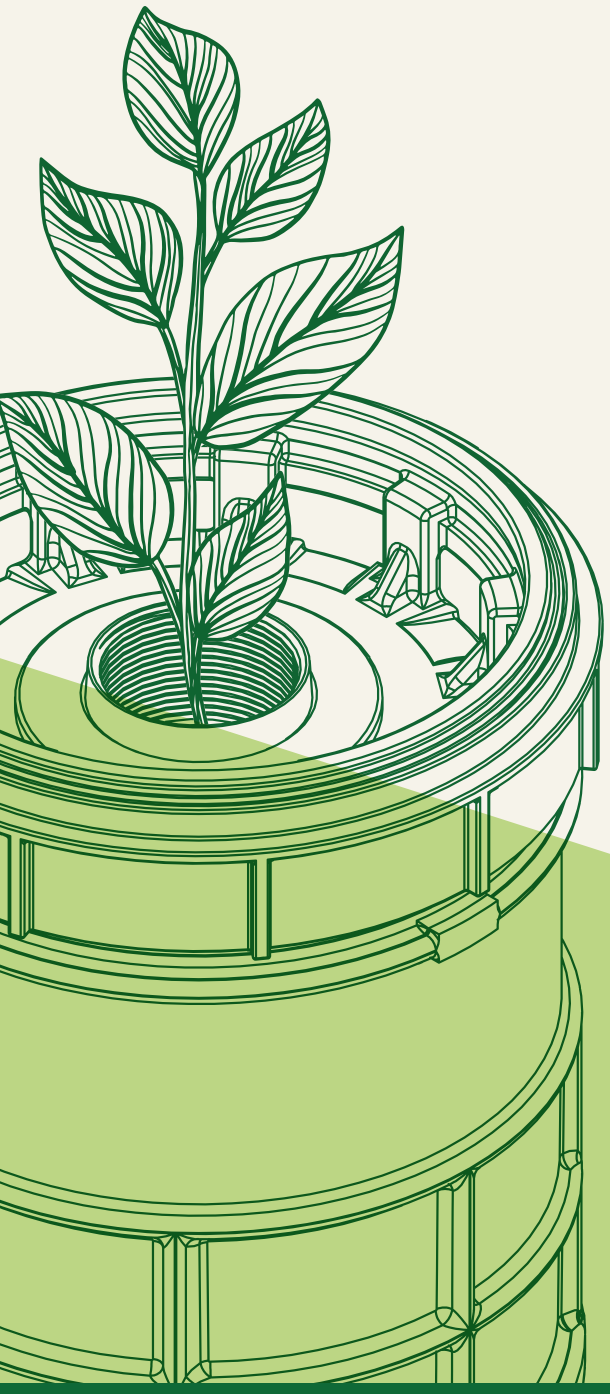
The Sustainable Cartridge Bowl is a valid substitute for a wide range of commercially available filters.

Scan the QR code to review our current list of crossover part numbers. Don’t see your part listed? **Contact us!**

Sustainable Cartridge Bowl

Spin-on filtration just got more sustainable.

Learn More



Si Energy Sustainability

Delivering Responsible Energy Solutions

Part of Schroeder Industries'

Energy Sustainability Initiative

Providing filtration solutions that support our customers' sustainability goals by:

- Conserving Fluid Resources
- Enabling Energy Efficiency
- Facilitating Cleaner Fuel
- Empowering Clean Energy
- Engineering Sustainable Solutions

Contact our filtration experts to learn what the SCB can do for your operation:

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