

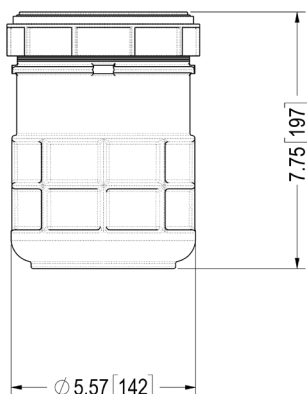
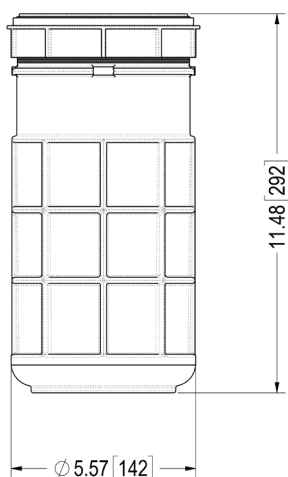
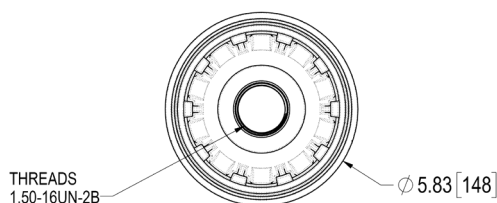
150 psi - *10 bar*  
Standard50 gpm - *190 L/min*

SCB



### Features and Benefits

- Reusable, plastic bowl with disposable element cartridge
- Directly fits on existing spin-on heads in the field
- Eliminates disposal of oil filled, metal spin-on cans in landfill
- Quality Protected design to ensure filter bowl is not operating without a filter element installed
- Available in 7" and 10" lengths
- SCB is packaged as a kit with 1 reusable filter bowl and 2 filter cartridge elements



## 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

|                                |                                                                  |
|--------------------------------|------------------------------------------------------------------|
| <b>Petroleum-Based Fluids:</b> | Z-Media® and Anti-Static media (synthetic)                       |
| <b>High Water Content:</b>     | All Z-Media® and Anti-Static media (synthetic)                   |
| <b>Invert Emulsions:</b>       | 10 and 25µ Z-Media® and all Anti-Static media (synthetic)        |
| <b>Water Glycols:</b>          | 3, 5, 10, and 25µ Z-Media® and all Anti-Static media (synthetic) |

### Sustainable Cartridge Bowl Specifications

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| <b>Flow Rating:</b>              | 50 gpm (190 L/min)                                             |
| <b>Max. Operating Pressure:</b>  | 150 psi (10 bar)                                               |
| <b>Burst Pressure:</b>           | 600+ psi (41.4+ bar)                                           |
| <b>Temperature Range:</b>        | -20°F to 225°F (-29°C to 107°C)<br>up 250°F (121°C) with Viton |
| <b>Replacement Element Case:</b> | 6 Elements                                                     |

## Multiple micron & media options available:

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

# SUSTAINABLE CARTRIDGE BOWL

SCB

## Element Part Number Selection

| Particulate Elements | Filtration Ratio per ISO 16889 |                        |  | Using APC calibrated per ISO 11171 |  |
|----------------------|--------------------------------|------------------------|--|------------------------------------|--|
|                      | DHC(g)                         | $\beta_x (c) \geq 200$ |  | K-Factor (psid/gpm)                |  |
| 5SC7Z1               | 42                             | <4.0                   |  | 0.41                               |  |
| 5SC7Z3               | 36                             | 5.1                    |  | 0.25                               |  |
| 5SC7Z5               | 40                             | 8.2                    |  | 0.17                               |  |
| 5SC7Z10              | 42                             | 11.6                   |  | 0.11                               |  |
| 5SC7Z25              | 50                             | 19.7                   |  | 0.09                               |  |
| 5SC10Z1              | 75                             | <4.0                   |  | 0.24                               |  |
| 5SC10Z3              | 63                             | 5.1                    |  | 0.14                               |  |
| 5SC10Z5              | 70                             | 8.2                    |  | 0.10                               |  |
| 5SC10Z10             | 74                             | 11.6                   |  | 0.06                               |  |
| 5SC10Z25             | 88                             | 19.7                   |  | 0.05                               |  |

## How to Build a Valid Model Number for a Schroeder SCB:

|      |         |         |       |        |       |     |
|------|---------|---------|-------|--------|-------|-----|
| SCB1 |         |         |       |        |       |     |
| SCB  | Bowl OD | Element | Media | Micron | Seals | Kit |

\*\*Starting from the left to the right you will choose your SCB and work your way through each category as illustrated above.

| SCB                                                     |                                        | Bowl OD                                                |                                      |
|---------------------------------------------------------|----------------------------------------|--------------------------------------------------------|--------------------------------------|
| <input type="checkbox"/> SCB1                           |                                        | <input type="checkbox"/> 5 = 5" OD                     |                                      |
| Element                                                 | Media                                  | Micron                                                 | Seals                                |
| <input type="checkbox"/> SC7 = 7" Bowl/Element Length   | <input type="checkbox"/> Z = Synthetic | <input type="checkbox"/> 1 <input type="checkbox"/> 10 | <input type="checkbox"/> Omit = Buna |
| <input type="checkbox"/> SC10 = 10" Bowl/Element Length | *Other media available on request      | <input type="checkbox"/> 3 <input type="checkbox"/> 25 | <input type="checkbox"/> V = Viton   |
|                                                         |                                        | <input type="checkbox"/> 5                             |                                      |

## Element Replacement:

|         |         |       |        |       |     |
|---------|---------|-------|--------|-------|-----|
| 5       | SC7     |       |        |       |     |
| Bowl OD | Element | Media | Micron | Seals | Kit |

\*\*Starting from the left to the right you will choose your SCB and work your way through each category as illustrated above.

| Bowl OD                                |                                                                                   | Element                                                 |  |
|----------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------|--|
| <input type="checkbox"/> 5 = 5" OD     |                                                                                   | <input type="checkbox"/> SC7 = 7" Bowl/Element Length   |  |
|                                        |                                                                                   | <input type="checkbox"/> SC10 = 10" Bowl/Element Length |  |
| Media                                  | Micron                                                                            | Seals                                                   |  |
| <input type="checkbox"/> Z = Synthetic | <input type="checkbox"/> 1 <input type="checkbox"/> 5 <input type="checkbox"/> 25 | <input type="checkbox"/> Omit = Buna                    |  |
| *Other media available on request      | <input type="checkbox"/> 3 <input type="checkbox"/> 10                            | <input type="checkbox"/> V = Viton                      |  |