

### SCEK Series

#### Sustainable Cartridge Element Kit



#### Features and Benefits (SCEK)

- Reusable plastic bowl with disposable element cartridge
- Fits existing spin-on heads in the field, anywhere the 0160/0180 MA elements/interchanges are used
- Available in 0160 SC and 0180 SC lengths
- Quality Protected design with “Missing Element Protection” (cannot operate without element installed)
- SCEK is packaged as a kit with 1 reusable filter bowl and 2 filter cartridge elements
- Cost-Saving Innovation:
  - Long-lasting, reusable bowl that eliminates frequent replacements.
  - Easy maintenance—just swap the element cartridge for efficient, low-cost upkeep.
- Environmentally-Friendly Solution:
  - Element cartridge is incinerable
  - Eliminates disposal of oil filled, metal spin-on cans in landfill

#### Applications



Agricultural



Automotive



Construction



Gearboxes



Industrial



Pulp & Paper



Steel / Heavy Industry

#### Technical Specifications

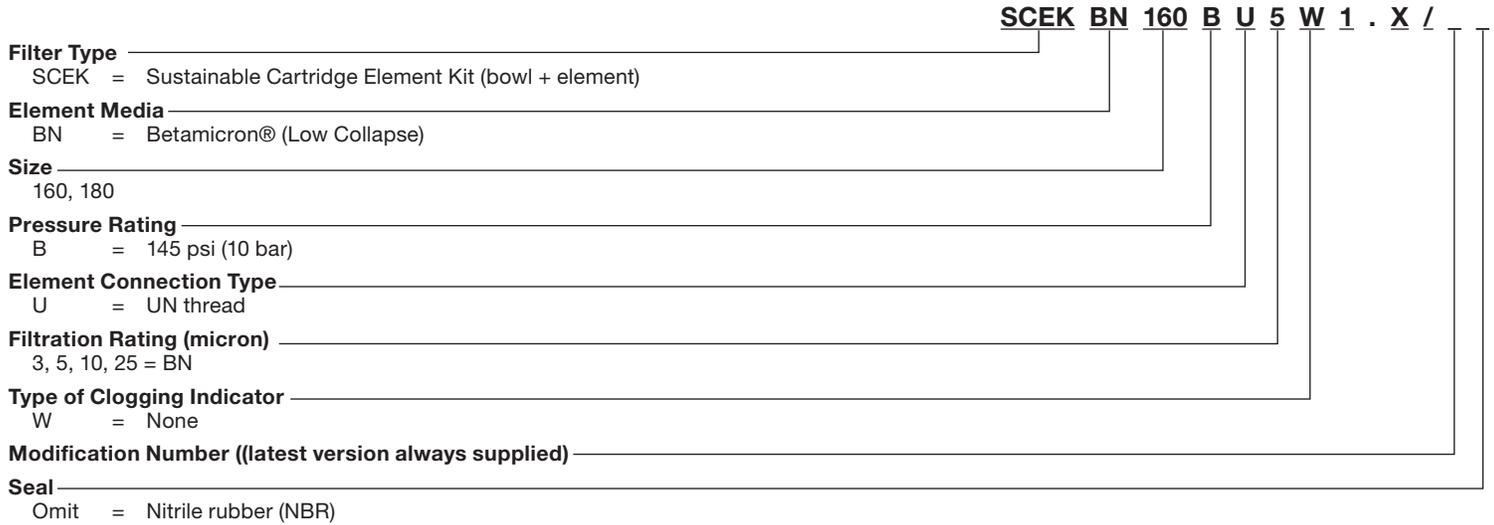
<b>Construction Materials</b>	Plastic
<b>Flow Capacity</b>	
160	25 gpm (95 lpm)
180	50 gpm (190 lpm)
<b>Pressure Rating</b>	
Max. Operating Pressure	145 psi (10 bar)
Burst Pressure	600 psi (41.4 bar)
<b>Fluid Temperature Range</b>	-20°F to 225°F (-29°C to 107°C)
Consult HYDAC for applications below 250°F (121°C)	
<b>Fluid Compatibility</b>	Compatible with all petroleum oils rated for use with Nitrile rubber (NBR) seals.
<b>Tested to Industry Standards</b>	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

Particulate Elements	Filtration Ratio per ISO 16889
	DHC (g)
0160 SC 003 BN	36
0160 SC 005 BN	40
0160 SC 010 BN	42
0160 SC 025 BN	50
0180 SC 003 BN	63
0180 SC 005 BN	70
0180 SC 010 BN	74
0180 SC 025 BN	88



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## Model Code



## Replacement Cartridge Model Code



## Spin-on Connection Chart

Size	Can Connection Thread
	SCEK
0160/0180	1-1/2" - 16 UN - 2B

## Element K Factors

$\Delta P \text{ Elements} = \text{Elements (K) Flow Factor} \times \text{Flow Rate (gpm)} \times \frac{\text{Actual Viscosity (SUS)} \times \text{Actual Specific Gravity}}{141 \text{ SUS} \times 0.86}$   
 (From Tables Below)

Size	...SC...BN			
	3 µm	5 µm	10 µm	25 µm
0160	0.2500	0.1700	0.1100	0.0900
0180	0.1400	0.1000	0.0600	0.0500

All Element K Factors in psi / gpm.



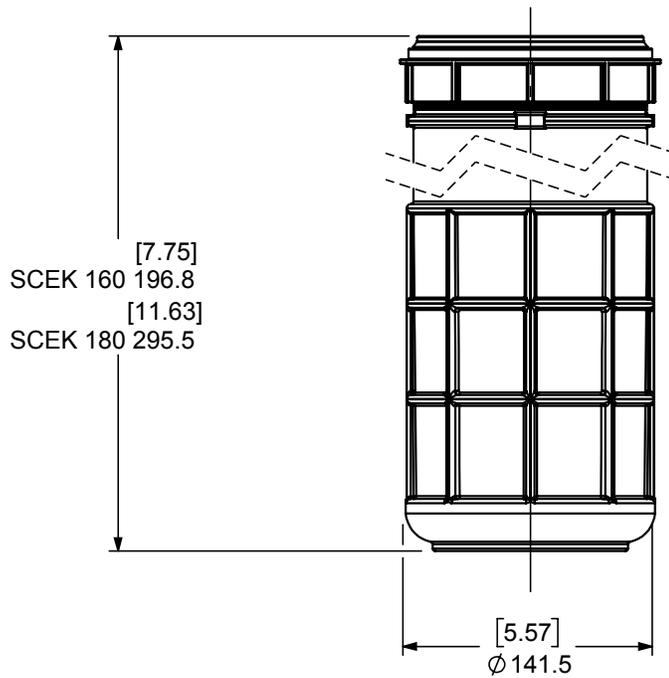
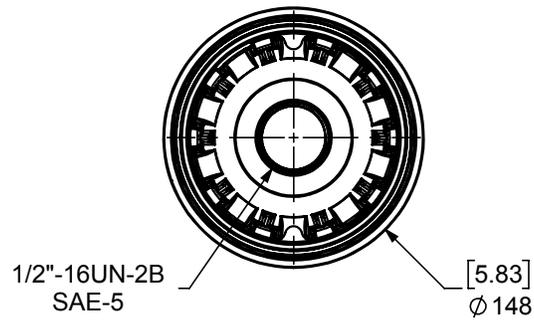
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# Dimensions



Dimensions are [inches] millimeters



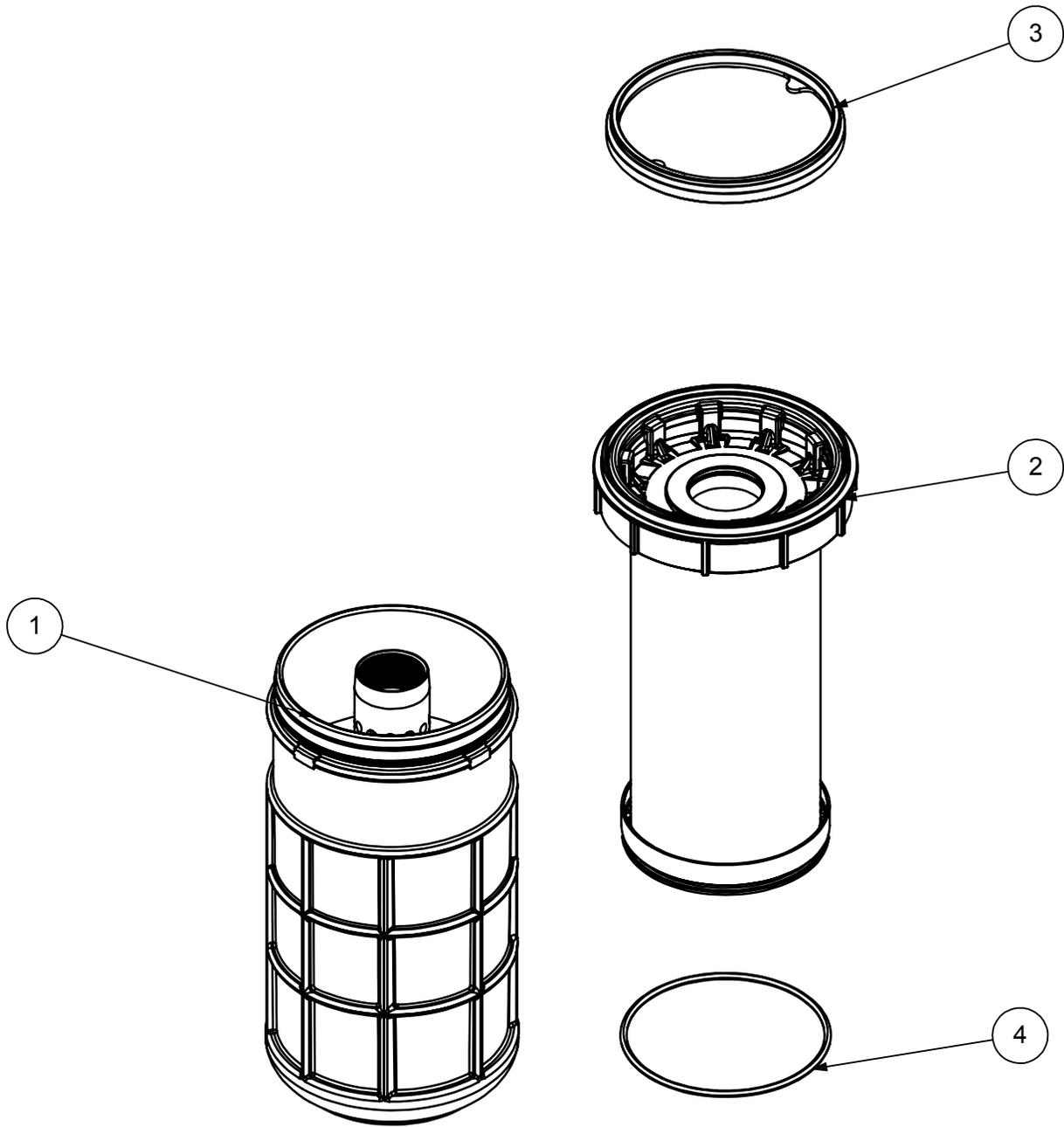
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# Spare Parts



ITEM	DESCRIPTION
1	BOWL
2	FILTER ELEMENT
3	GASKET
4	O-RING 107.54X3.53

For proper installation, refer to installation instructions printed on each bowl

Dimensions are [inches] millimeters



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