E-SC **Series**

StainlessSteelHeavy-Duty Cartridges

SC-series filter cartridges are constructed of 100% stainless steel in both pleated and cylindrical geometries. When your application operates at high temperature and needs a filter that tolerates high differential pressure, Endoer offers you multiple design options. These rugged designs can handle repeated physical cleaning, chemical cleaning, and back-washing cycles for years of reliable use.



Construction Options

1. **Pleated Woven Mesh / #E-SCPWM Series**
   Available with the most alloy options, 304, 316, 316L
2. **Pleated Sintered Fiber / #E-SCPSF Series**
   Offers the best economy in all-AISI316L construction
3. **Pleated Sintered Mesh / #E-SCPSM Series**
   Triple-layer construction can be back-flushed most effectively.
4. **Sintered Powder, Cylindrical / #E-SCSPC Series**
   Ratings down to 0.3um. Surface can be easily scrubbed
5. **Sintered Mesh, Cylindrical / #E-SCSMC Series**
   Ratings down to 1um. Best economy. Easily cleaned.

Features

- 100% stainless steel construction
- High tolerance to heat and differential pressures
- Each cartridge receives a 5-step cleaning process to assure freedom from particulate and contamination
- Electropolished finish
- Available heavy-duty core option
- Retention ratings from 0.3 to 40 microns

Applications

- High temperature fluids
- Steam
- Cryogenic fluids
- Molten polymers

Product Quality

- Individual elements are tracked by serial number.
- Manufactured within an ISO 9001:2015 certified quality management system.
- Certificate of Quality document is provided with each production lot.

Materials of Constructions

Media & Hadware:	AISI316, 316L, or 304 Stainless Steel
Seal Options:	FKM, E-FKM, NBR, EPDM, Silicone

Dimensions

Diameter:	64mm (2.5") nominal
Lengths:	10”, 20”, 30”, 40”, & custom lengths as needed

Operating Conditions

Operating Temperature:	215°C (420°F) max. **
Operating dP (max.):	10 bar (150 psi) @ 100°C (212°F) / standard core
	16 bar (235 psi) @ 100°C (212°F) / heavy-duty
Servicing dP:	core 4.1 bar (60 psi) @ 100°C (212°F)

** Use of FKM or silicone seals is advised for use above 250°F.

Ordering Information

E-SC□□□ — □ — □□□□ — □□ — □□□ — □□□□ — □

Type
PWM = Pleated Woven mesh
PSF = Pleated Sintered Fiber
PSM = Pleated Sintered Mesh
SPC = Sintered Powder Cylindrical
SMC = Sintered Mesh Cylindrical

Cage
C = caged
N = no cage

Removal Rating
0030 = 0.3μm
0100 = 1μm
0500 = 5μm
1000 = 10μm
2000 = 20μm
4000 = 40μm

Length
10 = 10”
20 = 20”
30 = 30”
40 = 40”

End Cap Type
DOE = DOE
2FL = 222/Flat
6FL = 226/Flat
6FN = 226/Fin
2FN = 222/Fin
1M = 1"MNPT

Alloy
304 = AISI304
316 = AISI316
316L = AISI316L

Seal Material
S = Silicone
E = EPDM
B = NBR
V = FKM
F = E-FKM

For additional options of rating, length, or end configurations, please inquire.