



## Selex™ Cartridge Filters



### Leading Edge of Filter Technology

The Selex Cartridge filter high-precision, graded density cartridge filter is on the leading edge of depth filter technology. The Selex delivers consistently high particulate retention rates that equal the performance of absolute rated filters. The patented Selex manufacturing process controls the density and fiber size which are the keys to the filter's high particle retention, high dirt holding capacity and long life.

- Absolute filter performance
- Graded density construction provides long life
- Sharp efficiency cutoff
- No media migration or contaminant release
- Pure polypropylene

### Cartridge Specifications

Outside Diameter  
2 1/2 inches (64 mm)

Inside Diameter  
1 inch (25 mm)

Lengths  
Continuous, weld free, lengths to 40 inches (101.6 cm)

Maximum Operating Temperature  
140°F (60°C)

### Performance Specifications

Selex Grade	Micron Rating	90%	95%	98%	99%	99.5%
E	1	0.5	0.7	0.9	1.0	1.3
G	3	1.1	1.5	1.8	2.0	2.4
D	5	1.5	1.8	2.9	4.3	5.0
A	10	3.2	5.2	7.3	8.4	9.7
C	20	15.1	17.5	18.9	19.3	20.0
F	30	16.6	18.9	20.8	24.2	32.1

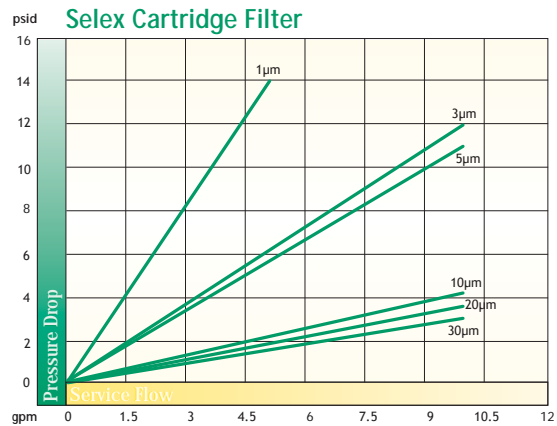
### Critical Applications

Selex Grade	Removal Rating
E	1.8
G	3.0
D	6.5
A	11.0

## Selex Advantages

For demanding applications the SELEX combines high performance filtration with the purity and chemical compatibility of polypropylene resulting in superior performance in many processes and industries including: Petrochemicals, CPI, Pure Water, Food and Beverage, Electronics and Pharmaceuticals

## Flow Performance in Clean Water



## Ordering Information

To determine the proper description for your application pick one designation from each column. Example: To order a SELEX E, 30 inches long with a 222 O-ring adapter (silicone O-rings) and solid endcap your description will look like this: **SXE-30-ESS**.

Product Name	Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material
SXE (01 µm)	9.75 (24.8)	Y = 1 Inch Open End Gasket	Y = 1 Inch Open End Gasket	P = Gasket
SXG (03 µm)	9.875 (25.1)			
SXD (05 µm)	10 (25.4)	L = Extended Core	K = Self Seal Spring	S = O-Ring
SXA (10 µm)	19.5 (49.5)			
SXC (20 µm)	20 (50.8)	E = 222 O-Ring	H = Fin	E = EPDM
SXF (30 µm)	29.25 (74.3)			
	30 (76.2)	F = 226 O-Ring	S = Solid End	B = Buna
	40 (100.6)			
		X = Plain End		V = Viton*

\* Viton is a registered trademarks of E.I. DuPont de Nemours and Company, Inc.



### Material and FDA Compliance

Selex cartridge filters are made from thermally-welded blown microfibers of polypropylene. No additives, resin binders, lubricants, anti-static or release agents are used in the manufacturing of Selex cartridge filters. Osmonics certifies that the filter material meets the requirements of the Food and Drug Administration (FDA) Title 21 of The Code of Federal Regulations 174.5 and 177.1520.

### Important Notice To User:

The following is made in lieu of all other warranties expressed or implied. Manufacturer's and Seller's only obligation shall be to issue credit against the purchase or replacement of the product proved to be defective in material or workmanship. Neither Manufacturer nor Seller shall be liable for any injury, loss or damage, direct or indirect, special or consequential, arising out of the use of, misuse, or the inability to use such product. The information contained herein is based on technical data and tests which we believe to be reliable and is intended for use by persons having technical skill at their discretion and risk. Since conditions of use are outside Osmonics' control, we can assume no liability whatsoever for results obtained or damages incurred through the application of the data presented. This information is not intended as a license to operate under, or a recommendation to infringe upon, any patent of Osmonics or others covering any material or use. The foregoing may not be altered except by a written agreement signed by officers of the Manufacturer.

### For More Information:

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