



# FILTRATION & PRE TREATMENT PRODUCTS

# Schroeder Sox Housings (Single Sock)



Schroeder Biofuels offers a complete line of sock filters and housings ready for quick delivery. These “sox” are available in a variety of sizes with many flange, cover and seam options. The matching housings are available in stainless steel with connection sizes ranging from 1" NPT to 12" ANSI flange and larger. Multi-bag housings are available for applications with a higher flow rate.  
(See L-2839A for drawings and complete sizing information)

## Specifications

|                                  |                                     |                        |                         |                         |
|----------------------------------|-------------------------------------|------------------------|-------------------------|-------------------------|
| <b>Max. Working Pressure:</b>    | 100 psi (7 bar) or 150 psi (10 bar) |                        |                         |                         |
| <b>Max. Working Temperature:</b> | 165°F (75°C)                        |                        |                         |                         |
| <b>Support Legs:</b>             | Adjustable                          |                        |                         |                         |
| <b>Lid Closure:</b>              | Threaded Clamp or Swing Bolted Lid  |                        |                         |                         |
|                                  | <b>SH11</b>                         | <b>SH12</b>            | <b>SH13</b>             | <b>SH14</b>             |
| <b>Max Flow</b>                  | 90 gpm<br>(340 L/min)               | 200 gpm<br>(755 L/min) | 20 gpm<br>(75 L/min)    | 45 gpm<br>(170 L/min)   |
| <b>Housing Volume:</b>           | 4.75 gallons<br>(18 L)              | 9.72 gallons<br>(33 L) | 2.67 gallons<br>(6.3 L) | 3.00 gallons<br>(7.6 L) |
| <b>Empty Weight:</b>             | 44 lbs.<br>(20 kg)                  | 55 lbs.<br>(25 kg)     | 29 lbs.<br>(13 kg)      | 33 lbs.<br>(15 kg)      |

### How to Build a Valid Model Number for a Schroeder Sox Housing:

|       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 | BOX 7 |
| SH    |       |       |       |       |       |       |

**Example:** NOTE: One option per box

|       |       |       |       |       |       |       |                |
|-------|-------|-------|-------|-------|-------|-------|----------------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 | BOX 7 |                |
| SH    | 1     | 2     | 304S  | 2N    | E     | 0     | = SH12304S2NE0 |

## Model Code

| BOX 1                | BOX 2                  | BOX 3            | BOX 4   | BOX 5  |
|----------------------|------------------------|------------------|---|--|
| <b>Filter Series</b> | <b>Number of Sox</b>   | <b>Sox Size</b>  | <b>Material</b>   | <b>Connection Size</b>   |
| SH                   | 1                      | 1<br>2<br>3<br>4 | 304S 304 Stainless Steel<br>316S 316 Stainless Steel<br>316L 316L Stainless Steel | 1N 1" NPT<br>15 1.5" NPT<br>2N 2" NPT<br>2F 2" Flange<br>25 2.5" NPT<br>3N 3" NPT<br>3F 3" Flange<br>4N 4" NPT<br>4F 4" Flange |
| <b>BOX 6</b>         | <b>BOX 7</b>           |                  |   |  |
| <b>Seal Material</b> | <b>Pressure Rating</b> |                  |   |  |
| E EPDM<br>V Viton    | 0 100 psi<br>1 150 psi |                  |   |  |

NOTE: Elements Sold Separately. See pages 46 - 48 for Schroeder SOX replacement elements  
\* Shaded selections are standard

# Schroeder Meltblown Plastic housings



The Schroeder Meltblown depth filter cartridges and housings are a reliable, versatile and low cost solution to numerous filtration needs. These graded density elements (page 43), made from 100% pure polypropylene fibers, offer a high dirt holding capacity. By trapping the larger sized particles on the outside of the element while the smaller particles are trapped closer to the element's core, these elements can filter as fine as 1µ while still maintaining a low pressure drop. This product line offers various sizes and styles of housings to fit a wide variety of application.

## Specifications

|                    |  |
|--------------------|--|
| Housing Flow Rate: | 40 gpm (151 L/min)   |
| Housing Material:  | Polypropylene  |
| Cap:               | Polypropylene  |
| O-ring:            | Viton or Buna-N  |
| Max. Temperature:  | 100°F (37.7°C)   |
| Max. Pressure:     | 125 psi (6.90 bar) for 2.5" diameter element housings<br>100 psi (8.63 bar) for 4.5" diameter element housings |

## Model Code

### How to Build a Valid Model Number for a Schroeder Meltblown Plastic Housing:

|       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 | BOX 7 | BOX 8 | BOX 9 |
| BCH   |       |       |       |       |       |       |       |       |

**Example:** NOTE: One option per box

|       |       |       |       |       |       |       |       |       |                  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 | BOX 7 | BOX 8 | BOX 9 |                  |
| BCH   | 1     | 2     | 10    | PP    | 34    | B     | 0     | 0     | = BCH1210PP34B00 |

| BOX 1                | BOX 2                     | BOX 3            | BOX 4                   | BOX 5                          |
|----------------------|---------------------------|------------------|-------------------------|--------------------------------|
| <b>Filter Series</b> | <b>Number per housing</b> | <b>Diameter</b>  | <b>Cartridge Length</b> | <b>Housing Material</b>        |
| BCH                  | 1                         | 2 2.5"<br>4 4.5" | 10 10"<br>20 20"        | PP Polypropylene head and bowl |

| BOX 6                                   | BOX 7                | BOX 8  | BOX 9                          |
|---|----------------------|--|--------------------------------|
| <b>Connection Size</b>                  | <b>Seal Material</b> | <b>Pressure Rating</b>                           | <b>Pressure Relief Button</b>  |
| 34 3/4" NPT<br>1N 1" NPT<br>15 1.5" NPT | B Buna-N<br>V Viton  | 0 125 psi for 2.5" dia.<br>100 psi for 4.5" dia. | 0 no button<br>P button in cap |

NOTE: Elements Sold Separately. See page 43 for Schroeder Meltblown replacement elements  
\* Shaded selections are standard

# Schroeder Meltblown Stainless Housing



The Schroeder Meltblown depth filter cartridges and housings are a reliable, versatile and low cost solution to numerous filtration needs. These graded density elements (page 43), made from 100% pure polypropylene fibers, offer a high dirt holding capacity. By trapping the larger sized particles on the outside of the element while the smaller particles are trapped closer to the element's core, these elements can filter as fine as 1µ while still maintaining a low pressure drop. This product line offers various sizes and styles of housings to fit a wide variety of application.

Housing Flow Rate: up to 110 gpm (416 L/min)

Housing Material: stainless steel (304 or 316)

O-rings: Viton or EPDM

Max Working Pressure: 150 psi @ 200° F

## Specifications

### How to Build a Valid Model Number for a Schroeder Meltblown Stainless Housing:

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 | BOX 7 | BOX 8 |
| BCH   |       |       |       |       |       |       |       |

**Example:** NOTE: One option per box

|       |       |       |       |       |       |       |       |                  |
|-------|-------|-------|-------|-------|-------|-------|-------|------------------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 | BOX 7 | BOX 8 |                  |
| BCH   | 7     | 2     | 10    | 304   | 2M    | E     | 1     | = BBH72103042ME1 |

## Model Code

| BOX 1                  | BOX 2                           | BOX 3                  | BOX 4                                | BOX 5  |
|------------------------|---------------------------------|------------------------|--------------------------------------|--|
| <b>Filter Series</b>   | <b>Number per housing</b>       | <b>Diameter</b>        | <b>Cartridge Length</b>              | <b>Housing Material</b>                            |
| BCH                    | 7<br>12<br>15<br>18<br>20<br>25 | 2 2.5"                 | 10 10"<br>20 20"<br>30 30"<br>40 40" | 304 304 Stainless Steel<br>316 316 Stainless Steel |
| BOX 6                  | BOX 7                           | BOX 8                  |                                      |  |
| <b>Connection Size</b> | <b>Seal Material</b>            | <b>Pressure Rating</b> |                                      |  |
| 2M 2"MNPT              | E EPDM<br>V Viton               | 1 150 psi              |                                      |  |

NOTE: Elements Sold Separately. See page 43 for Schroeder Meltblown replacement elements  
\* Shaded selections are standard

# K9 Medium Pressure Filter



- Base-ported in-line filter available in three different lengths
- Extremely versatile multiple inlet and outlet porting possibilities
- Stacked K-size elements require less than 9" clearance to change elements
- Available with recleanable metal mesh or high efficiency synthetic Excellement® elements

## Specifications

|                           |   |
|---------------------------|---|
| Flow Rating:              | Up to 100 gpm (380 L/min) for 150 SUS (32 cSt) fluids                 |
| Max. Operating Pressure:  | 900 psi (60 bar)  |
| Min. Yield Pressure:      | 3200 psi (220 bar)  |
| Rated Fatigue Pressure:   | 750 psi (42 bar) per NFPA T2.6.1-R1-1991                              |
| Temp. Range:              | -20°F to 225°F (-29°C to 107°C)                                       |
| Bypass Setting:           | Cracking: 40 psi (2.8 bar)<br>Full Flow: 80 psi (5.5 bar)             |
| Porting Base & Cap:       | Cast Aluminum   |
| Element Case:             | Steel   |
| Weight of K9-1K:          | 19 lbs. (8.6 kg)  |
| Weight of K9-2K:          | 30 lbs. (13.6 kg)   |
| Weight of K9-3K:          | 41 lbs. (18.6 kg)   |
| Element Change Clearance: | 8.50" (215 mm) for 1K; 17.50" (445 mm) for KK; 26.5" (673 mm) for 27K |

## Model Code

**How to Build a Valid Model Number for a Schroeder K9 Medium Pressure Filter:**

|       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 |
| K9    |       |       |       |       |       |

**Example:** NOTE: One option per box

|       |       |       |       |          |       |                      |
|-------|-------|-------|-------|----------|-------|----------------------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5    | BOX 6 |                      |
| K9    | 3     | KZ3   | V     | P20NP20N | D5C   | = K93KZ3VP20NP20ND5C |

| BOX 1         | BOX 2              | BOX 3   | BOX 4                                 | BOX 5        |              |              |              |
|---------------|--------------------|---|---------------------------------------|--------------|--------------|--------------|--------------|
| Filter Series | Number of Elements | Element Model No.   | Seal Media                            | Porting      |              |              |              |
| K9            | 1                  | K3<br>K10<br>K25<br>KZ1<br>KZ3<br>KZ5<br>KZ10<br>KZ25<br>KM10<br>KM25<br>KM150<br>KM260 | B    Buna N<br>H    EPR<br>V    Viton | Port 1 (STD) | Port 2 (OPT) | Port 3 (STD) | Port 4 (OPT) |
|               | 2                  |   |                                       | N            | N            | N            | N            |
|               | 3                  |   |                                       | P16          | P16          | P16          | P16          |
|               |                    |   |                                       | P20          | P20          | P20          | P20          |
|               |                    |   |                                       | P24          | P24          | P24          | P24          |
|               |                    |   |                                       | S16          | S16          | S16          | S16          |
|               |                    |   |                                       | S20          | S20          | S20          | S20          |
|               |                    |   |                                       | S24          | S24          | S24          | S24          |
|               |                    |   |                                       | B16          | F16          | B16          | F16          |
|               |                    |   |                                       | B20          | F20          | B20          | F20          |
|               |                    |   |                                       | B24          | F24          | B24          | F24          |
|               |                    |   |                                       |              | B16          |              | B16          |
|               |                    |   |                                       |              | B20          |              | B20          |
|               |                    | B24   |                                       | B24          |              |              |              |

| BOX 6       |                  |
|-------------|------------------|
| Dirt Alarm® |                  |
| D5          | Indicator        |
| D5C         | Indicator in Cap |

\* See Appendix A for Port Sizing Specifications  
NOTE: See page 45 for K size elements

# QF15 In-Line Filter



- High flow (500 gpm; 1900 L/min), high capacity (39" elements) filter
- Pressure up to 1500 psi (100 bar)
- L-ported (QLF) or Inline (QF) allows for installation flexibility
- Available with recleanable metal mesh or high efficiency synthetic Excellementt elements (including p/n 39Q150PSV)

## Specifications

|                           |   |
|---------------------------|---|
| Flow Rating:              | Up to 450 gpm (1700 L/min) for 150 SUS (32 cSt) fluids    |
| Max. Operating Pressure:  | 1500 psi (100 bar)  |
| Min. Yield Pressure:      | 4900 psi (340 bar)  |
| Rated Fatigue Pressure:   | 800 psi (55 bar), per NFPA T2.6.1-R1-1991                 |
| Temp. Range:              | -20°F to 225°F (-29°C to 107°C)                           |
| Bypass Setting:           | Cracking: 30 psi (2.1 bar)<br>Full Flow: 55 psi (3.8 bar) |
| Porting Base & Cap:       | Ductile Iron  |
| Element Case:             | Steel   |
| Weight of QF15-16Q:       | 139.0 lbs. (63.0 kg)                                      |
| Weight of QF15-39Q:       | 198.0 lbs. (89.4 kg)                                      |
| Element Change Clearance: | 16Q 12.0" (305 mm)<br>39Q 33.8" (859 mm)                  |

### How to Build a Valid Model Number for a Schroeder QF15 In-line Filter:

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 | BOX 7 | BOX 8 |
| QF15  |       |       |       |       |       |       |       |

Example: NOTE: One option per box

|       |       |       |       |       |       |       |       |                    |
|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| BOX 1 | BOX 2 | BOX 3 | BOX 4 | BOX 5 | BOX 6 | BOX 7 | BOX 8 |                    |
| QF15  | 16    | Q     | Z1    | V     | P24   |       | D5C   | = QF1516QZ1VP24D5C |

## Model Code

| BOX 1  | BOX 2  | BOX 3   | BOX 4                        | BOX 5                                    |
|--|--|---|------------------------------|--|
| <b>Filter Series</b>   | <b>Element Length</b>  | <b>Style</b>  | <b>Media Grade</b>           | <b>Housing Seal Material</b>             |
| QF15   | 16<br>39   | Q   | Z1<br>Z3<br>Z5<br>Z10<br>Z25 | (Omit) Buna N<br>H EPR<br>V <b>Viton</b> |
| BOX 6  | BOX 7  | BOX 8   |                              |  |
| <b>Porting*</b>  | <b>Bypass Setting</b>  | <b>Dirt Alarm®</b>  |                              |  |
| P24<br>P32<br>P48<br><br>S24<br>S32<br><br>F24<br><br>F40<br>F48 | (Omit) = 30 psi Cracking<br>50 = 50 psi Cracking<br>X = Blocked Bypass | D5C Cartridge in Cap<br>D5 Cartridge in Base<br><br>DPG Differential Pressure Gauge |                              |  |

\* See Appendix A for Port Sizing Specifications

NOTE: See page 45 for QF15 elements