Tank-Mounted Magnetic Suction Separators

**Features and Benefits**
- Protects components downstream by capturing potentially harmful ferrous particles

**Specifications**

<table>
<thead>
<tr>
<th>Flow Rating</th>
<th>75 gpm (285 L/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Element Replacement</td>
<td>with check valve: A-SKB-3-76</td>
</tr>
<tr>
<td>Part Number</td>
<td>without check valve: SKB-3</td>
</tr>
<tr>
<td>Element Change Clearance</td>
<td>13.5&quot; (345 mm)</td>
</tr>
<tr>
<td>Weight of BFT-SKB</td>
<td>32.0 lbs (14.5 kg)</td>
</tr>
</tbody>
</table>

**Applications**

- Industrial
- Mobile Vehicles

**Pressure Drop Information**

Based on Flow Rate and Viscosity

\[
\Delta P_{\text{filter}} = \Delta P_{\text{housing}} + \Delta P_{\text{element}}
\]

Note: Plotted curves shown in graph below include both housing and elements as indicated for fluids with sp gr = 0.86.

\[
\begin{array}{c|c|c|c|c|c|c}
\hline
\text{Flow (gpm)} & 0 & 40 & 80 & 120 & 160 \\
\hline
\text{Flow (L/min)} & 0 & (100) & (300) & (500) & \\
\hline
\Delta P_{\text{psi}} & 0.00 & 0.10 & 0.20 & 0.30 & 0.50 \\
\hline
\Delta P_{\text{bar}} & 0.00 & (0.003) & (0.02) & (0.03) & \\
\hline
\end{array}
\]

\(\text{sp gr} = \text{specific gravity}\)
# Tank-Mounted Magnetic Suction Separators

## How to Build a Valid Model Number for a Schroeder BFT-SKB:

<table>
<thead>
<tr>
<th>BOX 1</th>
<th>BOX 2</th>
<th>BOX 3</th>
<th>BOX 4</th>
<th>BOX 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>BFT-SKB</td>
<td>P</td>
<td></td>
<td>Y</td>
<td>= BFT-SKBPY</td>
</tr>
</tbody>
</table>

### BOX 1
- **Filter Series**: BFT-SKB
- **Seal Material**: Omit = Buna N

### BOX 2
- **Porting**: P = 2½" NPTF
- PP = Dual 2½" NPTF
- F = 2½" SAE 4-bolt flange Code 61
- FF = Dual 2½" SAE 4-bolt flange Code 61

### BOX 3
- **Other Options**: Omit = None
- C = Check Valve

### BOX 4
- **Dirt Alarm Options**
  - Omit = None
  - Visual: Y = Vacuum gauge
  - YR = Vacuum gauge mounted on opposite side of standard location
  - Electrical: VS = Electrical Vacuum Switch
  - VSR = Electrical Vacuum Switch on opposite side of standard location
  - VS1 = Heavy-Duty Vacuum Switch

## Notes

**NOTE:**

Box 1. See specifications on previous page for element replacement part numbers.