Longwall Shield Replacement Element

Schroeder Part Number: MSB-3176-225B (25μ)

Replacement for 4UC-3176-000 element

Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Pressure:</td>
<td>5,000 psi (350 bar)</td>
</tr>
<tr>
<td>Max. Differential Pressure:</td>
<td>5,000 psid (350 bar)</td>
</tr>
<tr>
<td>Competition fails at:</td>
<td>1500 psid (103 bar)</td>
</tr>
<tr>
<td>Max Flow Rate:</td>
<td>0.5 GPM (2 L/min)</td>
</tr>
<tr>
<td>Filter Rating:</td>
<td>25 micron</td>
</tr>
<tr>
<td>Material (Body):</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Metal Mesh:</td>
<td>Stainless Steel Wrap</td>
</tr>
<tr>
<td>O-Ring:</td>
<td>Buna N</td>
</tr>
<tr>
<td>Back-Up Ring:</td>
<td>Nylon</td>
</tr>
</tbody>
</table>

Advantages

- **5 mm hex**
  5 mm internal hex cavity and slot incorporated into the element end cap for easier element removal.

- **Lower pressure drop**
  Extra cross drill ports beneath element media result in increase flow and therefore lower pressure drop across element, up to 1/3 less than that of the competition’s equivalent.

- **Proven Schroeder quality**
  Schroeder has been providing contamination solutions to the mining industry for over 50 years.

- **Factory & field support**
  Dedicated specifically to the mining industry.
Longwall Shield
Replacement Element

Schroeder Part Number: MSB-3077-525B (25μ) & MSB-3077-540B (40μ)

Replacement for 4UC-3077-020 & 4UC 3077-021 elements

Technical Specifications

| Max. Pressure: | 5,000 psi (350 bar) |
| Max Flow Rate: | 40 GPM (150 L/min) |
| Filter Rating: | 25/40 micron |
| Material: End Caps, Support Tubes | Stainless Steel |
| Metal Mesh: | Stainless Steel Pleated |
| O-Ring: | Buna N |
| Back-Up Ring: | Nylon |

Advantages

- **Outer Optional Support Ring**
  Optional outer support ring to prevent bulging if system backflushing occurs.

- **Plasma Weld**
  Plasma seam weld instead of epoxy provides better pleat stability and more working surface area.

- **Lower pressure drop**
  Better media construction results in lower pressure drop across element.

- **Proven Schroeder quality**
  Schroeder has been providing contamination solutions to the mining industry for over 50 years.

- **Factory & field support**
  Dedicated specifically to the mining industry.
Advantages

• **Lower pressure drop**
  Better media construction results in lower pressure drop across element, promoting a longer element life.

• **Proven Schroeder quality**
  Schroeder has been providing contamination solutions to the mining industry for over 50 years.

• **Factory & field support**
  Dedicated specifically to the mining industry.
Longwall Shield Replacement Element

Schroeder Part Number: MSB-3070-225 (25μ), MSB-3070-240 (40μ), MSB-3070-280 (80μ) & MSB-3070-2100 (100μ)

Replacement for 4UC 3070-030 (25μ), 4UC 3070-031 (40μ), 4UC 3070-032 (80μ) & 4UC 3070-042 (100μ) elements

Technical Specifications

- Max. Pressure: 5,000 psi (350 bar)
- Max Differential Pressure: 5000 psid (350 bar)
- Max Flow Rate: 52 GPM (200 L/min)
- Filter Rating: 25/40/80/100 micron
- Material: Stainless Steel
  - End Caps, Support Tubes
  - Support Ring
- Metal Mesh: Stainless Steel Wrap

Advantages

- **Lower pressure drop**
  Better media construction results in lower pressure drop across element, promoting longer life.

- **Proven Schroeder quality**
  Schroeder has been providing contamination solutions to the mining industry for over 50 years.

- **Factory & field support**
  Dedicated specifically to the mining industry.