Inlet Filter Silencers/Silencers

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www.solbergmfg.com
**Technical Data**

Inlet Filter Silencers/Silencers

**Applications & Equipment**

- Industrial & Severe Duty
- Blowers - Side Channel & Roots (P.D.)
- Breathers
- Fuel Cells
- Piston Compressors
- Screw Compressors
- Centrifugal Compressors
- Hydraulic Breathers – fine filtration
- Engines
- Fans
- Vacuum Pumps & Systems
- Construction\Contractor Industry
- Medical
- Pneumatic Conveying
- Waste Water Aeration
- Sparging
- Factory Air
- Vacuum Vent Breathers
- Cement
- Power Plants
- Centralized Air Intakes
- Inquires Encouraged

**Identification**

All Solberg products should have an identification label/nameplate that gives the following information:

**Assembly Model #**

**Replacement Element #**

The part number designates the filter type, the element configuration and housing connection size. For example, the following part number identifies the filter as being a “FS” design filter with a “275” element, “P” prefilter and 3” BSPT connection size.

![Filter Type
Replacement Element Part Number
Connection Size and Type]

**Typical Noise Attenuation**

See chart for typical noise attenuation for the FS Series & QB Series. It may vary due to the wide range of applications, installations, & machines.
Choosing the Best Filter for your Equipment

A. Connection & Airflow known:
   1. Select appropriate BSPT Outlet or FLG Outlet and check Assembly m³/h Rating.
   Compare with your required airflow. Note: Assembly m³/h ratings are based on 30m/sec or 6,000 FPM for a given connection size to achieve low pressure drop performance. When required flow exceeds Assembly flow rating, the pressure drop through the outlet connection will increase. In such cases select by element flow rating.
   2. Go to “C. Selecting Elements”

B. Connection size is unknown or flexible:
   Go to “C. Selecting Elements”

C. Selecting Elements: Element selection is based on application duty. Standard media are: Polyester: all purpose; withstands pulses, moistures & oily air

Application Duty Descriptions: Regular maintenance checks and proper servicing is required. Actual performance is influenced by the Application Duty:
Industrial Duty = clean workshop or clean outdoor environment—small element sizing is sufficient.
Severe Duty = dirty workshop, wastewater—medium to large element is recommended.
Extreme Duty = Cement, steel making, plastics or dusty material conveying – Largest element sizing is recommended.

Element Maintenance

Solberg elements should be cleaned or replaced, once the pressure drop reaches 37-50 mbar above the initial pressure drop of the installation.

The decision to clean the element rather than replace it is left to the discretion of the operator. Any damage which results from by-pass or additional pressure drop created by element cleaning is the sole responsibility of the operator.

Note: The overall performance of a filter element is altered once cleaned. The initial pressure drop after subsequent cleanings will be greater than the original, clean pressure drop of the element. After each cleaning, the pressure drop will continue to increase. Under all circumstances, the initial pressure drop of the element needs to be maintained at less than 37 mbar.

Once the element has been cleaned, if the pressure drop exceeds 50 mbar at start-up; it must be replaced with a new element. With many types of equipment, the maximum pressure drop allowed will be dictated by the ability of the equipment to perform to its rated capacity. Under all circumstances, the operator should avoid exceeding the manufacturer’s recommended maximum pressure drop for their specific equipment.
**Miniature Filter Silencers**  
**FS Series 1/4” - 1”**

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### Features

- High grade filter element with integrated gasket seal
- Fully drawn weatherhood - no welds to rust or vibrate apart
- Tubular silencing design - tube maximizes attenuation and air flow while minimizing pressure drop
- Durable carbon steel construction with black powder coat finish
- Ability to mount vertically and horizontally

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### Options

- Various media for different environments
- Straight through configuration
- Epoxy coated finishes
- Special connections

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### Technical Specifications

- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 37-50 mbar over initial ΔP
- Polyester: 99%+ removal efficiency standard to 25 micron
- Paper: 99%+ removal efficiency standard to 2 micron
- Pressure drop graphs available upon request

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### Outlet Connections

<table>
<thead>
<tr>
<th>MPT Outlet</th>
<th>Assembly m³/h Rating</th>
<th>Assembly Part Number Polyester</th>
<th>Assembly Part Number Paper</th>
<th>Dimensions - mm</th>
<th>No. of Silencing Tubes</th>
<th>Approx. Weight kg</th>
<th>Replacement Element Part No. Polyester</th>
<th>Replacement Element Part No. Paper</th>
<th>Element m³/h Rating</th>
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</table>

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*Note: Model offerings and design parameters may change without notice. See www.solbergmfg.com for most current offering.*

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*Tidbit:* Charlie Solberg Jr. created a patented process to manufacture our Hockey Puck Style Filter Elements that are used in these housings.
**Features**

- Easy snap-on design for quick servicing
- Durable glass reinforced nylon housing
- Compact, low profile configuration
- Noise reducing silencing design
- High grade filter element with integrated gasket seal

**Benefits**

- Maximized surface area over cartridge style elements
- Cost efficient solution
- Low restriction improves equipment performance

**Technical Specifications**

- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 37-50 mbar over initial ΔP
- Pressure drop graphs available upon request
- Polyester: 99%+ removal efficiency standard to 25 micron
- Paper: 99%+ removal efficiency standard to 2 micron

**Options**

- Various media for different environments

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**Outlet Connections**

<table>
<thead>
<tr>
<th>MPT Outlet</th>
<th>Assembly m³/h Rating</th>
<th>Assembly Part Number Polyester</th>
<th>Assembly Part Number Paper</th>
<th>Dimensions - mm</th>
<th>Approx. Weight kg</th>
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* Contact factory for availability and lead times.

Note: MPT threaded housings are interchangeable with BSPT up to 1”.

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**Note:** Model offerings and design parameters may change without notice. See [www.solbergmfg.com](http://www.solbergmfg.com) for most current offering.
Compact Filter Silencers
FS Series 1/2” - DN150 BSPT, Flange

Features

• Fully drawn weatherhood - no welds to rust or vibrate apart
• Tubular silencing design - tubes are positioned to maximize
  attenuation and air flow while minimizing pressure drop
• Durable carbon steel construction with baked enamel
  finish & powder coated weatherhood

Technical Specifications

• Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
• Filter change out differential: 37-50 mbar over initial Δ P
• Pressure drop graphs available upon request
• Polyester: 99%+ removal efficiency standard to 5 micron
• Paper: 99%+ removal efficiency standard to 2 micron

Options

• 1/8” tap hole (only available for 3” & larger connections)
• Pressure drop indicator (See page 3-12)
• Various media for different environments
• Stainless steel construction
• Epoxy coated finish
• Special connections
• Side Access Silencer Filters (LQB Series) for space restricted
  enclosures (select models)

Tidbit: Charlie Solberg Sr. “Senior” designed our first filter silencer in 1966. The FS-15 size filter was created for small air compressors.
Compact Filter Silencers
FS Series 1/2” - DN150 BSPT, Flange

Outlet Connections

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<th>Outlet Size</th>
<th>Outlet Type</th>
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<th>Dimensions - mm</th>
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<th>Approx. Weight</th>
<th>Replacement Element Part No.</th>
<th>Element m³/h Rating</th>
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Note: MPT threaded housings are interchangeable with BSPT up to 1”.

PN10 Pattern Flange Outlet Connections

<table>
<thead>
<tr>
<th>Flange Outlet</th>
<th>Assembly m³/h Rating</th>
<th>Assembly Part Number</th>
<th>Dimensions - mm</th>
<th>No. of Silencing Tubes</th>
<th>Approx. Weight</th>
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</tr>
</tbody>
</table>

Note: Model offerings and design parameters may change without notice. See www.solbergmfg.com for most current offering.

See Filter Silencer Technical Data section for sizing guidelines.

Dimension tolerance ± 6 mm
Big Boy Filter Silencers
FS Series DN200 – DN300 Flange

Features

• Tubular silencing design - tubes are positioned to maximize attenuation and air flow while minimizing pressure drop
• Durable carbon steel construction with baked enamel finish
• Low pressure drop center bracket & outlet pipe design

Technical Specifications

• Temp (continuous): min -26°C (-15°F ) max 104°C (220°F)
• Filter change out differential: 37-50 mbar over initial ΔP
• Pressure drop graphs available upon request
• Polyester: 99%+ removal efficiency standard to 5 micron
• Paper: 99%+ removal efficiency standard to 2 micron

Options

• 1/8” tap holes
• Pressure drop indicator (See page 3-12)
• Various media for different environments
• Stainless steel construction

• Epoxy coated finish
• Special connections
• Side Access Silencer Filters (LQB Series) for space restricted enclosures (select models)

PN10 Pattern Flange Outlet Connections

<table>
<thead>
<tr>
<th>Flange Outlet</th>
<th>Assembly m³/h Rating</th>
<th>Assembly Part Number</th>
<th>Dimensions - mm</th>
<th>No. of Silencing Tubes</th>
<th>Approx. Weight kg</th>
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<td>FS-385P-DN250</td>
<td>584 152 724</td>
<td>16</td>
<td>59</td>
<td>385P</td>
<td>5610</td>
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<tr>
<td>DN300</td>
<td>7990</td>
<td>FS-485P-DN300</td>
<td>787 152 724</td>
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<td>70</td>
<td>485P</td>
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<td>DN300</td>
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<td>FS-685P-DN300</td>
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<td>79</td>
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<td>11220</td>
</tr>
</tbody>
</table>

See Filter Silencer Technical Data section for sizing guidelines.

Note: Model offerings and design parameters may change without notice. See www.solbergmfg.com for most current offering.
**Features**

- Layered sound absorbent media
- Designed for minimal pressure drop; baffles, internal tubes, and other restrictive devices are unnecessary
- For inlet and discharge inline air service (See temp specs.)
- Durable carbon steel construction with baked enamel finish

**Options**

- Flange adapters
- Larger sizes
- Special connections

**Technical Specifications**

- Max. Temperature (continuous): 135°C (275°F)
- Due to the wide range of equipment and environments; please contact factory for typical noise attenuation for your application.

**Typical Noise Attenuation**

![Graph showing noise reduction in dBA over frequency in Hz]

- Noise attenuation may vary due to the wide range of applications and machines

**Inlet/Outlet Connections**

<table>
<thead>
<tr>
<th>Inlet/Outlet Size</th>
<th>Inlet/Outlet Type</th>
<th>Assembly Code</th>
<th>Part Number</th>
<th>Dimensions - mm</th>
<th>Approx. Wt. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; FPT</td>
<td>75</td>
<td>SLCR100</td>
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<td>A 305 B 17 C 64</td>
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<tr>
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<td>SLCR126</td>
<td></td>
<td>A 305 B 17 C 64</td>
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<tr>
<td>1-1/2&quot; BSPP</td>
<td>265</td>
<td>SLCR151</td>
<td></td>
<td>A 305 B 17 C 79</td>
<td>3</td>
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<tr>
<td>2&quot; BSPP</td>
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<td>SLCR201</td>
<td></td>
<td>A 400 B 17 C 92</td>
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<tr>
<td>2-1/2&quot; BSPP</td>
<td>655</td>
<td>SLCR251</td>
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<td>A 533 B 38 C 118</td>
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<tr>
<td>3&quot; BSPP</td>
<td>980</td>
<td>SLCR301</td>
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<td>A 660 B 40 C 130</td>
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<tr>
<td>4&quot; BSPP</td>
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<td>SLCR401</td>
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<td>A 621 B 43 C 254</td>
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<td>1/2&quot; MPT</td>
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<td>75</td>
<td>SLCRT100</td>
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<td>A 368 B 51 C 79</td>
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<td>SLCRT126</td>
<td></td>
<td>A 368 B 51 C 79</td>
<td>2</td>
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<tr>
<td>1-1/2&quot; BSPT</td>
<td>265</td>
<td>SLCRT151</td>
<td></td>
<td>A 356 B 44 C 79</td>
<td>3</td>
</tr>
<tr>
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<td>460</td>
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<td>SLCRT251</td>
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<td>4&quot; BSPT</td>
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<td>A 744 B 102 C 254</td>
<td>26</td>
</tr>
</tbody>
</table>

Note: Model offerings and design parameters may change without notice. See www.solbergmfg.com for most current offering.
Compact Filter Silencers for Blowers
QB Series 2”- DN150 BSPT, Flange

Features

• Multiple silencing features; reduce and deaden sound
  - Silencing tubes are positioned to maximize attenuation and air flow while minimizing pressure drop
  - “Quiet band” technology utilizes sound suppression in the design of the weatherhood
• Fully drawn weatherhood—no welds to rust or vibrate
• Low pressure drop housing design
• Durable carbon steel construction with gray baked enamel finish

Technical Specifications

• Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
• Filter change out differential: 37-50 mbar over initial Δ P
• Pressure drop graphs available upon request
• Polyester: 99%+ removal efficiency standard to 5 micron
• Paper: 99%+ removal efficiency standard to 2 micron

Options

• 1/8” tap holes (only available for 3” & larger connections)
• Pressure drop indicator (See page 3-12)
• Various media for different environments
• Stainless steel construction or epoxy coated finishes
• Special connections
• Side Access Silencer Filters (LQB Series) for space restricted enclosures (select models)
Compact Filter Silencers for Blowers
QB Series 2” - DN150 BSPT, Flange

BSPT Outlet Connections

<table>
<thead>
<tr>
<th>BSPT Outlet</th>
<th>Assembly m³/h Rating</th>
<th>Assembly Part Number</th>
<th>Dimensions - mm</th>
<th>No. of Silencing Tubes</th>
<th>Approx. Weight kg</th>
<th>Replacement Element Part No.</th>
<th>Element m³/h Rating</th>
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</thead>
<tbody>
<tr>
<td>2”</td>
<td>230</td>
<td>QB-231P-201</td>
<td>311 57 254</td>
<td>7</td>
<td>6</td>
<td>231P</td>
<td>510</td>
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<tr>
<td>2 1/2”</td>
<td>332</td>
<td>QB-231P-251</td>
<td>318 64 254</td>
<td>9</td>
<td>6</td>
<td>231P</td>
<td>510</td>
</tr>
<tr>
<td>3”</td>
<td>510</td>
<td>QB-231P-301</td>
<td>330 76 254</td>
<td>9</td>
<td>6</td>
<td>231P</td>
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<tr>
<td>3”</td>
<td>510</td>
<td>QB-235P-301</td>
<td>330 76 406</td>
<td>9</td>
<td>13</td>
<td>235P</td>
<td>969</td>
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<tr>
<td>3”</td>
<td>510</td>
<td>QB-275P-301</td>
<td>330 76 406</td>
<td>9</td>
<td>15</td>
<td>275P</td>
<td>1870</td>
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<tr>
<td>4”</td>
<td>884</td>
<td>QB-235P-401</td>
<td>356 102 406</td>
<td>9</td>
<td>14</td>
<td>235P</td>
<td>969</td>
</tr>
<tr>
<td>4”</td>
<td>884</td>
<td>QB-275P-401</td>
<td>356 102 406</td>
<td>9</td>
<td>15</td>
<td>275P</td>
<td>1870</td>
</tr>
<tr>
<td>5”</td>
<td>1360</td>
<td>QB-245P-501</td>
<td>356 102 406</td>
<td>14</td>
<td>15</td>
<td>245P</td>
<td>1496</td>
</tr>
<tr>
<td>5”</td>
<td>1360</td>
<td>QB-275P-501</td>
<td>356 102 406</td>
<td>14</td>
<td>16</td>
<td>275P</td>
<td>1870</td>
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<tr>
<td>6”</td>
<td>1870</td>
<td>QB-275P-601</td>
<td>394 133 406</td>
<td>18</td>
<td>17</td>
<td>275P</td>
<td>1870</td>
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</table>

See Filter Silencer Technical Data section for sizing guidelines.

Dimension tolerance ± 6 mm

PN10 Pattern Flange Outlet Connections

<table>
<thead>
<tr>
<th>Flange Outlet</th>
<th>Assembly m³/h Rating</th>
<th>Assembly Part Number</th>
<th>Dimensions - mm</th>
<th>No. of Silencing Tubes</th>
<th>Approx. Weight kg</th>
<th>Replacement Element Part No.</th>
<th>Element m³/h Rating</th>
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</thead>
<tbody>
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<td>969</td>
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<tr>
<td>DN80</td>
<td>510</td>
<td>QB-275P-DN80</td>
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<td>15</td>
<td>275P</td>
<td>1870</td>
</tr>
<tr>
<td>DN100</td>
<td>884</td>
<td>QB-245P-DN100</td>
<td>356 102 406</td>
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<td>16</td>
<td>245P</td>
<td>1496</td>
</tr>
<tr>
<td>DN100</td>
<td>884</td>
<td>QB-275P-DN100</td>
<td>356 102 406</td>
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<td>18</td>
<td>275P</td>
<td>1870</td>
</tr>
<tr>
<td>DN125</td>
<td>1360</td>
<td>QB-245P-DN125</td>
<td>356 102 406</td>
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<td>17</td>
<td>245P</td>
<td>1496</td>
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<tr>
<td>DN125</td>
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<td>QB-275P-DN125</td>
<td>356 102 406</td>
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<td>18</td>
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<td>1870</td>
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<tr>
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<td>1870</td>
<td>QB-275P-DN150</td>
<td>394 133 406</td>
<td>18</td>
<td>19</td>
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<td>1870</td>
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</table>

See Filter Silencer Technical Data section for sizing guidelines.

Dimension tolerance ± 6 mm

<table>
<thead>
<tr>
<th>PN10 Pattern Flange</th>
<th>Dimensions - mm</th>
<th>No. of Holes</th>
<th>Flange Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN 80</td>
<td>200 160 18 8</td>
<td>20</td>
<td>B.C.</td>
</tr>
<tr>
<td>DN100</td>
<td>220 180 18 8</td>
<td>20</td>
<td>B.C.</td>
</tr>
<tr>
<td>DN125</td>
<td>250 210 18 8</td>
<td>22</td>
<td>B.C.</td>
</tr>
<tr>
<td>DN150</td>
<td>285 240 22 8</td>
<td>22</td>
<td>B.C.</td>
</tr>
</tbody>
</table>

Note: Model offerings and design parameters may change without notice. See www.solbergmfg.com for most current offering.
Big Boy Filter Silencers for Blowers
QB Series DN200 - DN300 Flange

Features

- Multiple silencing features; reduce and deaden sound
  - Silencing tubes are positioned to maximize attenuation and air flow while minimizing pressure drop
  - “Quiet band” technology utilizes sound suppression in the design of the weatherhood
- Fully drawn weatherhood—no welds to rust or vibrate
- Low pressure drop housing design
- Durable carbon steel construction with gray baked enamel finish

Technical Specifications

- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 37-50 mbar over initial ΔP
- Pressure drop graphs available upon request
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron

Options

- 1/8” tap holes
- Pressure drop indicator (See page 3-12)
- Various media for different environments
- Stainless steel construction or epoxy coated finishes
- Special connections
- Side Access Silencer Filters (LQB Series) for space restricted enclosures (select models)

PN10 Pattern Flange Outlet Connections

<table>
<thead>
<tr>
<th>Flange</th>
<th>Assembly m³/h Rating</th>
<th>Assembly Part Number</th>
<th>Dimensions - mm</th>
<th>No. of Silencing Tubes</th>
<th>Approx. Weight kg</th>
<th>Replacement Element Part No.</th>
<th>Element m³/h Rating</th>
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</thead>
<tbody>
<tr>
<td>DN200</td>
<td>3060</td>
<td>QB-377P-DN200</td>
<td>584 152 572</td>
<td>12 50</td>
<td>377P 376P</td>
<td>3105</td>
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<tr>
<td>DN250</td>
<td>5610</td>
<td>QB-385P-DN250</td>
<td>584 152 724</td>
<td>12 56</td>
<td>385P 384P</td>
<td>5605</td>
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</tr>
<tr>
<td>DN300</td>
<td>7990</td>
<td>QB-485P-DN300</td>
<td>787 152 724</td>
<td>16 64</td>
<td>485P 484P</td>
<td>8000</td>
<td></td>
</tr>
<tr>
<td>DN300</td>
<td>7990</td>
<td>QB-485P(2)-DN300</td>
<td>965 152 724</td>
<td>24 79</td>
<td>485P 484P</td>
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</tr>
<tr>
<td>DN300</td>
<td>7990</td>
<td>QB-485P(2)-DN300</td>
<td>1346 152 724</td>
<td>24 88</td>
<td>485P 484P</td>
<td>16000</td>
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</table>

See Filter Silencer Technical Data section for sizing guidelines.

<table>
<thead>
<tr>
<th>Flange</th>
<th>Dimensions - mm</th>
<th>No. of Holes</th>
<th>Flange Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN200</td>
<td>345 295 22</td>
<td>8</td>
<td>24</td>
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<tr>
<td>DN250</td>
<td>395 350 22</td>
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<tr>
<td>DN300</td>
<td>445 400 22</td>
<td>12</td>
<td>26</td>
</tr>
</tbody>
</table>

Note: Model offerings and design parameters may change without notice. See www.solbergmfg.com for most current offering.
Features

- Reactive style silencing design
- Integrated discharge silencer
- Adjustable motor supports for belt tensioning
- Pre-assembled rails to frame
- Easy sheaves accessible belt guard
- Carbon steel with baked enamel finish

Technical Specifications

- Pressure Rating: 1 ATM
- Hardware Kit (USA standard nuts, bolts, washers) included
- Ports for: relief valve, pressure & temperature gauges

Benefits

- Compact design for small blower package footprint
- Low profile allows for easier maintenance inspections
- Quick installation time
- Cost Savings (Minimal packaging, freight & storage)
- Sound enclosures are more economical due to compact frame footprint

Options

- Purpose built belt guard
- Flexible boot kit
- Snubber discharge silencer for vacuum applications
- Contact factory for best Solberg filter for your package

MPT Outlet Connections

<table>
<thead>
<tr>
<th>Pipe Inlet</th>
<th>MPT Outlet</th>
<th>Assembly m³/h Rating</th>
<th>Part Number</th>
<th>Dimensions - mm</th>
<th>Relief Valve Port</th>
<th>Sugg. HP Range</th>
<th>Approx. Wt. kg</th>
<th>Belt Guard for BBF Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>2&quot;</td>
<td>230</td>
<td>BBF-200</td>
<td>597 699 279</td>
<td>2&quot; 3-15+</td>
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<td>DL-200</td>
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<tr>
<td>2 1/2&quot;</td>
<td>2 1/2&quot;</td>
<td>332</td>
<td>BBF-250</td>
<td>597 699 279</td>
<td>2&quot; 3-20+</td>
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<td>DL-200</td>
<td>9</td>
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<td>3&quot;</td>
<td>3&quot;</td>
<td>510</td>
<td>BBF-300</td>
<td>711 889 360</td>
<td>2&quot; 10-30</td>
<td>81</td>
<td>DL-300</td>
<td>10</td>
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<td>4&quot;</td>
<td>4&quot;</td>
<td>884</td>
<td>BBF-400</td>
<td>711 889 360</td>
<td>2&quot; 20-50</td>
<td>81</td>
<td>DL-300</td>
<td>10</td>
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<tr>
<td>6&quot; 6&quot; Fig</td>
<td>6&quot; Fig</td>
<td>1870</td>
<td>BBF-600F</td>
<td>883 1003 457</td>
<td>3&quot; 40-60</td>
<td>179</td>
<td>DL-600</td>
<td>13</td>
</tr>
</tbody>
</table>

Note: Model offerings and design parameters may change without notice. See www.solbergmfg.com for most current offering.
Lateral Access Filter Silencer
LQB Series 3”BSPT - DN300 Flg

Features
- Multiple silencing features; reduce and deaden sound
  - Silencing tubes are positioned to maximize attenuation
  - “Quiet band” technology utilizes sound suppression in the design of the housing
- Positive sealing side access door
- Durable carbon steel construction with gray baked enamel finish
- Please contact Solberg for model offerings and availability.

Benefits
- Easy maintenance due to easy accessible element
- Compact housing design ideal for
  - Blower packages with enclosures
  - Space restricted work areas
- Cost savings due to smaller sound enclosure
- Differentiate your package from traditional
- Designed to be used with Solberg’s BBF Series Silencer Base Frame

Technical Specifications
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 37-50 mbar over initial Δ P
- Pressure drop graphs available upon request
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron

Options
- 1/8” tap holes
- Pressure drop indicator (See page 3-11)
- Various media for different environments
- Stainless steel construction or epoxy coated finishes
- Special connections

Why Solberg’s LQB Series?
LQB Series helps make enclosures feasible and simplifies the maintenance process. Typical filter silencers require service area above the filter housing which increases the height and cost of the enclosure and makes servicing the unit difficult. The LQB Filter Silencer has an easy access side port which simplifies servicing and lowers the cost of your enclosure dramatically.

Examples of LQB Silencer Filter with and without filter element installed. Filter element easily slides out the side port for servicing.
Large Airflow Filter Silencers
Sumo Class / Multibarrel

Sumo Class Filter Silencers

Features

- Single barrel filter design allows for large airflows in space restricted work areas
- Tubular silencing designed to maximize attenuation
- Low pressure drop housing construction
- Please contact Solberg for model offerings and availability.

Technical Specifications

- Designed for airflow up to 13600 m³/h
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 37-50 mbar over initial Δ P

Options

- 1/8" tap holes
- Pressure drop indicator
- Various media for different environments
- Stainless steel construction
- Epoxy coated finish

Multibarrel Filter Silencers

Features

- Designed for large airflow applications
- Cartridge style elements provide:
  - Increased reliability-better positive seal than panel filters
  - Added efficiency with maximum surface area
- Tubular silencing designed to maximize attenuation
- Multiple configurations allows for a variety of environments
- Durable carbon steel construction with baked enamel finish
- Please contact Solberg for model offerings and availability.

Technical Specifications

- Designed for airflow up to 42500 m³/h
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 37-50 mbar over initial Δ P
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron

Options (Inquirers Encouraged)

- Multiple manifold configurations
- Pressure drop indicator
- Support stands
- Stainless steel construction
- Epoxy coated finish