USB Series
ASME Code Bag Housings Single through Six Round

- ASME “U” code designed housings for commercial and industrial filter applications
- Holds one (1) through six (6) #2 size bags to service a wide range of flow rates
- Heavy duty Carbon Steel, 304L or 316L Stainless Steel Construction for maximum durability
- 150 psig (10.3 bar) @ 300°F (149°C) design pressure
- Swing bolt closure with lifting davit for easy bag change-outs and secure sealing
- Low profile for easy bag change-outs
- Optional 134 epoxy coating for seawater or corrosive applications
- For information on filter bags or drawings, visit our website or contact the factory

Applications

- Water
- Chemicals
- Food & Beverage
- Electronics
- Oil
- Inks / Paints / Coatings
- Coolants
- Pulp & Paper

Specifications & Operating Parameters

Maximum Operating Pressure
150 psig (10.3 bar) @ 300°F (149°C)

Connections

Inlet /Outlet:
- 2” Flanges (USB)
- 3” Flanges (2USB)
- 4” Flanges (3USB, 4USB)
- 6” Flanges (5USB, 6USB)

Drain Port:
- 1/2” FNPT (USB)
- 3/4” FNPT (2USB-6USB)

Vent Port: 1/2” FNPT
Gauge Ports: 1/4” FNPT

Materials of Construction

Head / Shell: Carbon Steel, 304L or 316L Stainless Steel
Eye Nuts and Davit Handle: Zinc Plated Steel
Mounting Legs: Carbon Steel or 304L Stainless Steel

Gaskets

Buna N
Optional: EPR, Silicone, Teflon Encapsulated Silicone, Viton

Baskets

1/8” perforated Stainless Steel
Optional: Various perforation and mesh sizes

Finish

Glass Bead
Optional: electro-polish, passivate or 134 epoxy coating

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## Model Closure Flow Rate

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CLOSURE</th>
<th>FLOW RATE* GPM (LPM)</th>
<th>INLET AND OUTLET SIZE</th>
<th>DIMENSIONS</th>
</tr>
</thead>
</table>
| USB-1SB | Swing Bolt | 70 (288) | 2’ | A  20 1/2” (52.1 cm)  
B  6 11/16” (17.0 cm)  
C  21 3/4” (55.2 cm) |
| USB-2SB | Swing Bolt | 150 (567) | 2’ | A  2 3/4” (92.7 cm)  
B  6 11/16” (17.0 cm)  
C  21 3/4” (55.2 cm) |
| 2USB-2SB | Swing Bolt | 350 (1325) | 3’ | A  49 9/16” (125.9)  
B  39 1/8” (99.4)  
C  10 1/2” (26.7) |
| 3USB-2SB | Swing Bolt | 525 (1987) | 4’ | A  52 7/8” (134.3)  
B  41 1/16” (104.3)  
C  10 3/4” (27.2) |
| 4USB-2SB | Swing Bolt | 700 (2650) | 4’ | A  61 1/4” (155.6)  
B  40 1/2” (102.9)  
C  11 1/4” (28.6) |
| 5USB-2SB | Swing Bolt | 700 (3312) | 6’ | A  63 1/2” (161.3)  
B  42” (106.7)  
C  13 3/8” (34.0) |
| 6USB-2SB | Swing Bolt | 1050 (3975) | 6’ | A  63 1/2” (161.3)  
B  42” (106.7)  
C  13 3/8” (34.0) |

* Flow rates are for guide lines only. Actual flow rates are based upon fluid viscosity, bag type, micron rating and other factors.

** Available only in USB Series

### Dimensions

** Ordering Guide (Example: 2USB-2SB-3-316B)**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>BAG SIZE</th>
<th>CLOSURE STYLE</th>
<th>FLANGE** MATERIAL</th>
<th>GASKET</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB 2USB 3USB 4USB 5USB 6USB</td>
<td>1* 2</td>
<td>SB = Swing Bolt</td>
<td>2 = 2” 3 = 3” 4 = 4” 6 = 6”</td>
<td>304 = 304L SS 316 = 316L SS CS = Carbon Steel</td>
<td>B = Buna N (Standard) E = EPR S = Silicone V = Viton T = Teflon Encapsulated Silicone EP = Electro-polish P = Passivate 134 = 134 epoxy coating</td>
</tr>
</tbody>
</table>

* Available only in USB Series

** Standard flange sizes are 2” for USB 3” for 2USB, 4” for 3USB and 4USB, 6” for 5USB and 6USB

### Customization

Housings may be customized to meet your precise requirements. Contact Shelco’s technical support staff or your distributor for more information.

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**Shelco Filters**

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