Universal Series® Single Round Filter Housings
More From ABC!

Allegheny Bradford has built a reputation for excellence in manufacturing superior process components and systems. Our Universal Series single round filter housings provide the precision fabrication and superior quality of the industry’s leading manufacturer. These finely crafted 316L filter housings are ideal for a variety of industries including pharmaceutical, food, dairy, beverage, electronics, and chemical.

Features & Benefits

- “Universal” recessed tapered code 7 lock – accepts all major manufacturer’s code 7 filter elements
- T-Style and In-Line options
- User configurable to get the options you need
- Code 0, Code 7, and Code 7 wire connections available
- No drawing approval process
- 100% pressure tested in our facility
- Standard documentation package in electronic form
- Private labeling/logos available upon request

Specifications

Materials

- Housing: 316L stainless steel
- Clamp: 304L Std (ASME Code – 316)
- Gaskets: USP Class VI Silicone, EPDM, FKM, PTFE
- Valve O-rings: USP Class VI Silicone, EPDM, FKM, and FEP

Surface Finish

- Wetted Surfaces: 20Ra μin. Max (0.51 μm) Mechanical polished and nitric passivated
- 20Ra μin. Max (0.51 μm) Mechanical polished and electropolished
- Exterior Surfaces: 32Ra μin. Max (0.8 μm) Mechanical polished and electropolished

Custom Options Available

- Canadian registration available (CRN)
- Singapore MOM available
- ASME Section VIII U and UM stamp available
- Process contact material of construction is 316L (other alloys available upon request)
- Steam/Electric heat jackets available

Dimensions

Single Round Housing Dimensions

<table>
<thead>
<tr>
<th>Cartridge Size</th>
<th>Filter Style</th>
<th>Height (A)</th>
<th>Width (B)</th>
<th>Base (C)</th>
<th>Housing Weight (Dry)</th>
<th>Internal Volume</th>
<th>Height (A)</th>
<th>Housing Weight (Dry)</th>
<th>Internal Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td>2-222 O-Ring, Spring</td>
<td>12.95&quot;</td>
<td>7.43&quot;</td>
<td>3.05&quot;</td>
<td>9.5 lbs.</td>
<td>1.46 liters</td>
<td>11.58&quot;</td>
<td>7.8 lbs.</td>
<td>1.46 liters</td>
</tr>
<tr>
<td></td>
<td>2-226 O-Ring, Wire</td>
<td>12.95&quot;</td>
<td>7.80&quot;</td>
<td>2.81&quot;</td>
<td>9.1 lbs.</td>
<td>1.46 liters</td>
<td>11.58&quot;</td>
<td>7.5 lbs.</td>
<td>1.46 liters</td>
</tr>
<tr>
<td></td>
<td>2-226 O-Ring, Recess</td>
<td>12.95&quot;</td>
<td>7.80&quot;</td>
<td>3.05&quot;</td>
<td>8.8 lbs.</td>
<td>1.46 liters</td>
<td>11.58&quot;</td>
<td>6.9 lbs.</td>
<td>1.46 liters</td>
</tr>
<tr>
<td>10&quot;</td>
<td>2-222 O-Ring, Spring</td>
<td>17.64&quot;</td>
<td>7.43&quot;</td>
<td>3.05&quot;</td>
<td>10.9 lbs.</td>
<td>2.37 liters</td>
<td>16.33&quot;</td>
<td>9.4 lbs.</td>
<td>2.37 liters</td>
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<td>2-222 O-Ring, Wire</td>
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<td>2-222 O-Ring, Recess</td>
<td>17.64&quot;</td>
<td>7.80&quot;</td>
<td>3.05&quot;</td>
<td>10.2 lbs.</td>
<td>2.37 liters</td>
<td>16.33&quot;</td>
<td>8.3 lbs.</td>
<td>2.37 liters</td>
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<tr>
<td>20&quot;</td>
<td>2-222 O-Ring, Spring</td>
<td>27.64&quot;</td>
<td>7.43&quot;</td>
<td>3.05&quot;</td>
<td>13.8 lbs.</td>
<td>4.26 liters</td>
<td>26.33&quot;</td>
<td>12.3 lbs.</td>
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<tr>
<td>30&quot;</td>
<td>2-222 O-Ring, Spring</td>
<td>37.64&quot;</td>
<td>7.43&quot;</td>
<td>3.05&quot;</td>
<td>16.7 lbs.</td>
<td>6.16 liters</td>
<td>36.33&quot;</td>
<td>15.2 lbs.</td>
<td>6.16 liters</td>
</tr>
<tr>
<td></td>
<td>2-222 O-Ring, Wire</td>
<td>37.64&quot;</td>
<td>7.80&quot;</td>
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<td>16.3 lbs.</td>
<td>6.16 liters</td>
<td>36.33&quot;</td>
<td>14.7 lbs.</td>
<td>6.16 liters</td>
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<td></td>
<td>2-222 O-Ring, Recess</td>
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<td>16.0 lbs.</td>
<td>6.16 liters</td>
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<td>14.1 lbs.</td>
<td>6.16 liters</td>
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<tr>
<td>40&quot;</td>
<td>2-222 O-Ring, Spring</td>
<td>46.14&quot;</td>
<td>7.43&quot;</td>
<td>3.05&quot;</td>
<td>19.1 lbs.</td>
<td>7.75 liters</td>
<td>44.83&quot;</td>
<td>17.6 lbs.</td>
<td>7.75 liters</td>
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</tbody>
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We offer more than 100,000 potential configurations with our many options. Use the tables below to select common options and determine a part number, which may be used to order common configurations. Please inquire regarding all others.

### Universal In-Line Configurations

<table>
<thead>
<tr>
<th>Universal Sanitary In-Line Configurations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ordering Information</strong></td>
</tr>
<tr>
<td><strong>Universal Series Single Round Filter Housings</strong></td>
</tr>
<tr>
<td><strong>Style</strong></td>
</tr>
<tr>
<td>US = Universal Sanitary In-Line</td>
</tr>
<tr>
<td>US = Universal Sanitary T-Style</td>
</tr>
<tr>
<td>Universal Sanitary, In-Line, 1 Cartridge, 20&quot; Long, 2-226 O-Ring/Recess, 15Ra/EP, 2&quot; Ferrule, Vent Type -None (Std.), Drain type - Plunger Valve, Gasket Material - FEP Enveloped, ASME Code -N/A (Std)</td>
</tr>
</tbody>
</table>

Sample Part Number: **US-I-01-2-R32-X1T-X**

Sample Part Number: **US-T-01-2-R1X-XXV-NX**

*Custom designs also available*
Each filter housing undergoes testing and includes the industry’s best turn over package (TOP)

Standard Documentation
- Record drawings, bill of materials
- Material test reports & elastomer certifications
- Certificate of pressure test & procedure
- Certificate of cleaning
- Certificate of nitric passivation & procedure
- Certificate of surface finish & procedure
- Spare parts list
- Weld log
- Welder qualification records
- Welding procedure specifications
- Procedure qualifications records
- Installation & operation manual
- Final inspection report

Codes & Standards
- ASME
- CRN
- Bioprocessing Equipment Standards Committee (BPE)
- NSF
- S-A
- Ministry of Manpower (MOM)
- SEP
- The National Board of Boiler and Pressure Vessel Inspectors R stamp

Other Documentation
- Electropolish certification
- ASME data report
- ASME code calculations
- PMI certification
- Radiography certifications
- Nitrogen blow dry certificate & procedure

Complete Certification
- CE
- UASME VIII Stamp

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Spare Parts

Valve Stem Parts

Valve Stem Assembly 00532

Stem O-Ring
Silicone (Platinum Cured) ORING-2-010-SIL-6
FKM ORING-2-010-FKM-6
EPDM ORING-2-010-EPDM-6
FEP ORING-2-010-FEP-6

Retention Clip 00108
Ultem Nut 00525

Removable Legs, T-Style Base (Not Shown)
US-01-LEG

T-Style or In-Line Dome (Call for Part Number)

C.I.P. Cap US-01-CIP

4" Housing Clamp
2 Piece, Heavy Duty F13LAH-4.00-304
2 Piece, High Pressure F13MHP-4.00-304-NC
2 Piece, ASME F13MHP-4.00-316-ASME

4" Gasket, USP Class VI
Silicone (Platinum Cured) F40RX-PX-4.00-6
FKM F40MP-FKM-4.00-6
EPDM F40MP-EPDM-4.00-6
FEP F40MP-FEP-4.00-6

Compression Spring
2-222 Style Filter Cartridge 00342
Allegheny Bradford offers a full range of products:

ABC Global

ABC Facility

Allegheny Bradford Corporation

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Fax: 814-362-4674
sales@alleghenybradford.com

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