Gasoline Fuel Filters
For Marine Applications
Outboard Engine Applications

- For boats where a fuel filter/water separator is already installed, this is generally a Mercury/Quicksilver or OMC style filter (fuel ports are on top of the head), use the B32013 (Quicksilver) or B32014 (OMC).

- If there are no filters installed, specify the 120R-RAC-01, 320R-RAC-01, or 660R-RAC-01 filter based upon flow rate of engine.

- For a unit that can replace your primer bulb, use the 490R-RAC-01 with integral primer pump.

**Note: Clear bowls are for outboard applications only.**

### Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>31871</th>
<th>B32013</th>
<th>B31014</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OEM Application</strong></td>
<td>Mercury</td>
<td>Quicksilver</td>
<td>OMC</td>
</tr>
<tr>
<td><strong>Micron</strong></td>
<td>2</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td><strong>Maximum Flow Rate</strong></td>
<td>50 GPH (189 LPH)</td>
<td>60 GPH (227 LPH)</td>
<td>60 GPH (227 LPH)</td>
</tr>
<tr>
<td><strong>Replacement Filter</strong></td>
<td>N/A</td>
<td>S3213</td>
<td>S3214</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>5.0 in. (12.7 cm)</td>
<td>7.2 in. (18.3 cm)</td>
<td>7.2 in. (18.3 cm)</td>
</tr>
<tr>
<td><strong>Diameter</strong></td>
<td>2.1 in. (5.3 cm)</td>
<td>3.8 in. (9.7 cm)</td>
<td>3.8 in. (9.7 cm)</td>
</tr>
<tr>
<td><strong>Center Threads</strong></td>
<td>N/A</td>
<td>11/16-16”**</td>
<td>1”-12</td>
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</tbody>
</table>

**The 11/16-16” thread is the most common and fits most existing filter mounting heads in service.**

### Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>025-RAC-01</th>
<th>025-RAC-02</th>
<th>025-RAC-10A</th>
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<tbody>
<tr>
<td><strong>Micron</strong></td>
<td>250</td>
<td>10</td>
<td>104</td>
</tr>
<tr>
<td><strong>Maximum Flow Rate</strong></td>
<td>25 GPH (95 LPH)</td>
<td>25 GPH (95 LPH)</td>
<td>35 GPH (132 LPH)</td>
</tr>
<tr>
<td><strong>Ports (Female)</strong></td>
<td>1/4”-18 NPTF</td>
<td>1/4”-18 NPTF</td>
<td>1/2”-14 NPTF</td>
</tr>
<tr>
<td><strong>Replacement Filter</strong></td>
<td>S2501</td>
<td>S2502</td>
<td>Replace Entire Unit</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>4.3 in. (10.9 cm)</td>
<td>4.3 in. (10.9 cm)</td>
<td>4.2 in. (10.7 cm)</td>
</tr>
<tr>
<td><strong>Diameter</strong></td>
<td>2.1 in. (5.3 cm)</td>
<td>2.1 in. (5.3 cm)</td>
<td>1.9 in. (4.8 cm)</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>2.3 in. (5.8 cm)</td>
<td>2.3 in. (5.8 cm)</td>
<td>N/A</td>
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### Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>120R-RAC-01</th>
<th>320R-RAC-01</th>
<th>490R-RAC-01</th>
<th>660R-RAC-01</th>
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<tbody>
<tr>
<td><strong>Micron</strong></td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td><strong>Maximum Flow Rate</strong></td>
<td>30 GPH (114 LPH)</td>
<td>60 GPH (227 LPH)</td>
<td>90 GPH (341 LPH)</td>
<td>90 GPH (341 LPH)</td>
</tr>
<tr>
<td><strong>Ports (Female)</strong></td>
<td>1/4”-18 NPTF</td>
<td>1/4”-18 NPTF</td>
<td>3/8”-18 NPTF</td>
<td>3/8”-18 NPTF</td>
</tr>
<tr>
<td><strong>Replacement Filter</strong></td>
<td>S3240</td>
<td>S3227</td>
<td>S3227</td>
<td>S3232</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>6.5 in. (16.5 cm)</td>
<td>9.3 in. (23.6 cm)</td>
<td>9.9 in. (25.1 cm)</td>
<td>11.0 in. (27.9 cm)</td>
</tr>
<tr>
<td><strong>Diameter</strong></td>
<td>3.2 in. (8.1 cm)</td>
<td>4.0 in. (10.2 cm)</td>
<td>4.8 in. (12.2 cm)</td>
<td>4.5 in. (11.4 cm)</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>3.2 in. (8.1 cm)</td>
<td>4.0 in. (10.2 cm)</td>
<td>4.5 in. (11.4 cm)</td>
<td>4.2 in. (10.7 cm)</td>
</tr>
</tbody>
</table>
Inboard/Outboard Engine Applications

- For boats where a fuel filter/water separator is already installed, this is generally a Mercruiser or OMC style filter head (fuel ports are on top of filter head), use the B32020MAM (Mercruiser) or B32021MAM (OMC) filter.
- If there are no filters already installed, specify the 120R-RAC-02, 320R-RAC-02, or 660R-RAC-02 filter based upon required flow rate of engine.
- For high-performance boats, the 3120R-RAC-32 is recommended.
- A higher pressure rated filter is available, see model 110A rated at 100 PSI (6.9 bar).

### Specifications

<table>
<thead>
<tr>
<th></th>
<th>B32020MAM</th>
<th>B32021MAM</th>
<th>S3220SUL</th>
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<tbody>
<tr>
<td><strong>OEM Application</strong></td>
<td>Mercruiser</td>
<td>OMC</td>
<td>Mercruiser</td>
</tr>
<tr>
<td><strong>Micron</strong></td>
<td>10</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td><strong>Maximum Flow Rate</strong></td>
<td>60 GPH (227 LPH)</td>
<td>60 GPH (227 LPH)</td>
<td>60 GPH (227 LPH)</td>
</tr>
<tr>
<td><strong>Replacement Filter</strong></td>
<td>S3220TUL</td>
<td>S3221TUL</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>6.5 in. (16.5 cm)</td>
<td>6.5 in. (16.5 cm)</td>
<td>4.0 in. (10.2 cm)</td>
</tr>
<tr>
<td><strong>Diameter</strong></td>
<td>3.8 in. (9.7 cm)</td>
<td>3.8 in. (9.7 cm)</td>
<td>3.7 in. (9.4 cm)</td>
</tr>
<tr>
<td><strong>Center Threads</strong></td>
<td>11/16-16**</td>
<td>1”-12</td>
<td>11/16-16**</td>
</tr>
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**The 11/16-16 thread is the most common and fits most existing filter mounting heads in service.**

### Specifications

<table>
<thead>
<tr>
<th></th>
<th>PFF5510</th>
<th>S3228SUL</th>
<th>110A</th>
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<tbody>
<tr>
<td><strong>Micron</strong></td>
<td>10</td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td><strong>Maximum Flow Rate</strong></td>
<td>60 GPH (227 LPH)</td>
<td>60 GPH (227 LPH)</td>
<td>35 GPH (132 LPH)</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>4.2 in. (10.7 cm)</td>
<td>4.0 in. (10.2 cm)</td>
<td>6.0 in. (15.2 cm)</td>
</tr>
<tr>
<td><strong>Diameter</strong></td>
<td>3.6 in. (9.1 cm)</td>
<td>3.7 in. (9.4 cm)</td>
<td>3.3 in. (8.4 cm)</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>3.2 in. (8.1 cm)</td>
</tr>
<tr>
<td><strong>Center Threads</strong></td>
<td>11/16-16**</td>
<td>1”-14</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Ports (Female)</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>1/4-18 NPTF</td>
</tr>
<tr>
<td><strong>Replacement Filter</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>R11T (Cartridge)</td>
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</table>

### Specifications

<table>
<thead>
<tr>
<th></th>
<th>120R-RAC-02</th>
<th>320R-RAC-02</th>
<th>660R-RAC-02</th>
<th>3120R-RAC-32</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Micron</strong></td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td><strong>Maximum Flow Rate</strong></td>
<td>30 GPH (114 LPH)</td>
<td>60 GPH (227 LPH)</td>
<td>90 GPH (341 LPH)</td>
<td>120 GPH (454 LPH)</td>
</tr>
<tr>
<td><strong>Ports (Female)</strong></td>
<td>1/4-18 NPTF</td>
<td>1/4-18 NPTF</td>
<td>3/8-18 NPTF</td>
<td>1/2-14 NPTF</td>
</tr>
<tr>
<td><strong>Replacement Filter</strong></td>
<td>S3240TUL</td>
<td>S3228TUL (10 micron)</td>
<td>S3232TUL (2 micron)</td>
<td>S3232TUL</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>6.0 in. (15.2 cm)</td>
<td>9.0 in. (22.9 cm)</td>
<td>10.5 in. (26.7 cm)</td>
<td>10.4 in. (26.4 cm)</td>
</tr>
<tr>
<td><strong>Diameter</strong></td>
<td>3.2 in. (8.1 cm)</td>
<td>4.0 in. (10.2 cm)</td>
<td>4.5 in. (11.4 cm)</td>
<td>5.0 in. (12.7 cm)</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>3.2 in. (8.1 cm)</td>
<td>4.0 in. (10.2 cm)</td>
<td>4.2 in. (10.7 cm)</td>
<td>4.0 in. (10.2 cm)</td>
</tr>
</tbody>
</table>
# Worldwide Filtration Manufacturing Locations

## North America

### Compressed Air Treatment

**Filtration & Separation/Balston**

Haverhill, MA  
978 858 0505  
www.parker.com/balston

### Filtration & Separation/Finite

Oxford, MI  
248 628 6400  
www.parker.com/finitefilter

### Purification, Dehydration & Filtration Division

Lancaster, NY  
716 685 4040  
www.parker.com/pdf

### Sales Office

Charlotte, NC  
704 321 9305  
www.parker.com/pdf

### Engine Filtration & Water Purification

**Racor**

Modesto, CA  
209 521 7860  
www.parker.com/racor

**Racor**

Holly Springs, MS  
662 252 2656  
www.parker.com/racor

**Racor**

Beaufort, SC  
843 846 3200  
www.parker.com/racor

**Racor – Village Marine Tec.**

Gardena, CA  
310 516 9911  
desalination.parker.com

### Hydraulic Filtration

**Hydraulic Filter**

Metamora, OH  
419 644 4311  
www.parker.com/hydraulicfilter

### Process Filtration

**Process Advanced Filtration**

Oxnard, CA  
805 604 3400  
www.parker.com/processfiltration

## Europe

### Compressed Air Treatment

**domnick hunter Industrial**

England NE  
+44 (0) 191 402 9000,  
www.domnickhunter.com

**Hiross Zander**

Padova Business Unit  
Angelo di Piove Padova, Italy  
+39 049 9712 111  
www.parker.com/hzd

**Hiross Zander**

Essen Business Unit  
Essen, Germany  
T +49 2054 9340, F +49 2054 934164  
www.parker.com/hzd

**Parker Gas Separations**

Etten-Leur, Netherlands  
+31 76 508 5300

### Engine Filtration & Water Purification

**Racor**

England  
+44 (0) 1924 487000,  
www.parker.com/rfde

**Racor Research & Development**

Stuttgart Germany  
+49 (0) 711 7071 290-0  
www.parker.com/racor

**Hydraulic Filtration**

Arnhem, Holland  
+31 26 3760376  
www.parker.com/eurofil

**Ujrala Operation**

Ujrala as Finland  
+358 20 753 2500  
www.parker.com/fl

**Condition Monitoring Center**

Norfolk IP 24 1HP England  
+44 1842 763299  
www.parker.com/cmc

### Process Filtration

**domnick hunter Process**

DH3 2SF England  
T +44 (0) 191 410 5121  
www.domnickhunter.com

## Asia Pacific

### Australia

**NSW 2154, Australia**  
+61 2 9634 777  
www.parker.com/australia

### China

**Shanghai 101206 China**  
+86 21 5031 2525  
www.parker.com/china

### Japan

**Yokohama-shi, 244-0003 Japan**  
T +81 45 870 1522  
www.parker.com/japan

### Korea

**Hwaseong-City Gyeonggi-Do, Korea**  
T +82 31 359 0771  
www.parker.com/korea

### Singapore

**Singapore 619 702**  
T +65 6887 6300  
www.parker.com/singapore

### Thailand

**Bangkok 10250 Thailand**  
T +66 (0) 2 186 7024  
www.parker.com/thailand

### Latin America

**Parker Comercio Ltda.**

Filtration Division  
Sao Jose dos Campos  
CEP 12225-390 SP Brazil  
+55 12 4009 3500  
www.parker.com.br

### Pan American Division - Miami

**Miami, FL**  
305 470 8800  
www.parker.com/panam

### Africa

**Aeroport Kempton Park,**  
1620 South Africa  
+27 11 9610700  
www.parker.com/eu