
**Features / benefits**
- Flow rates up to 35,000 gpm (7,949 m³/h)
- A broad selection of screen options
- Automatic backwashing
- Exclusive idL™ seal for leak free service, available up to 24" only
- Unitized modular assembly for easy maintenance
- Fabricated carbon steel construction

**Options**
- Various grades of stainless steel, copper nickel, MONEL® and other exotic materials of construction
- ‘AD 2000-Merkblätter’, DIN EN 13446 or ASME Code and approval according to PED 97/23/EU (modules H, H1 or G) available
- Flanged, screwed or socket weld backwash connections
- Internal and external epoxy paint or other coatings, upon request, on all carbon steel components for fresh water service applications
- Custom designs are available upon request

The Eaton Model 2596 automatic self-cleaning strainer is designed for the continuous removal of entrained solids from liquids in pipeline systems. With an automated control system monitoring the strainer operation, cleaning is accomplished by an integral backwash system. A small portion of the screen element is isolated and cleaned by reverse flow while the remaining screen area continues to strain—providing uninterrupted flow. This efficient design uses only a small amount of the liquid being strained to carry debris away from the strainer element.

The Model 2596 features the idL shaft seal that positively prevents leakage from the backwash shaft at the top of the strainer. This unique quad seal keeps the exterior of the strainer dry and prevents external leakage or weeping of the process media down the sides of the strainer.

To simplify maintenance the Model 2596 features a unitized modular assembly. The motor, gear reducer and the internal operating mechanism are housed within the strainer cover and lift off as a unit. This makes all components easily accessible and reduces associated maintenance costs.
**Model 2596 10” to 60” Fabricated Automatic Self-cleaning Strainers**

10” to 36” fabricated carbon steel and stainless steel

**Application limits**

- Fabricated strainers are designed within the limits of the customer’s specifications and design criteria along with any applicable code requirement, e.g. “AD 2000-Merkblätter”, DIN EN 13446 or ASME Code.

**Removal Application limits**

Sizes 10” to 60”

Dimensions are for reference only. For installation purposes, request certified drawings.

**Specific descriptions and construction details illustrated may vary slightly from equipment furnished. Eaton reserves the right to revise or discontinue equipment or design features without notice. Eaton recommends that you review performance and application data with us prior to final design.**

**Sizes 10” to 60”**

- 48” and 60” can be fabricated upon request, consult Eaton.

---

**Model 2596 10” - 36” flow rates**

Pressure drop data indicates results to be expected with clean water, under normal flows with standard screens and in clean strainer.

---

**Table**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>K</th>
<th>L</th>
<th>Approximate weight (lb/f.u.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10”</td>
<td>38</td>
<td>965</td>
<td>38</td>
<td>762</td>
<td>88</td>
<td>2235</td>
<td>98</td>
<td>2286</td>
<td>40</td>
<td>1016</td>
</tr>
<tr>
<td>12”</td>
<td>42</td>
<td>1067</td>
<td>38</td>
<td>762</td>
<td>88</td>
<td>2235</td>
<td>98</td>
<td>2286</td>
<td>40</td>
<td>1016</td>
</tr>
<tr>
<td>14”</td>
<td>44</td>
<td>1118</td>
<td>32</td>
<td>813</td>
<td>101</td>
<td>2565</td>
<td>103</td>
<td>2616</td>
<td>46</td>
<td>1168</td>
</tr>
<tr>
<td>16”</td>
<td>44</td>
<td>1118</td>
<td>33</td>
<td>838</td>
<td>101</td>
<td>2565</td>
<td>103</td>
<td>2616</td>
<td>46</td>
<td>1168</td>
</tr>
<tr>
<td>18”</td>
<td>50</td>
<td>1270</td>
<td>36</td>
<td>914</td>
<td>117</td>
<td>2972</td>
<td>120</td>
<td>3048</td>
<td>48</td>
<td>1219</td>
</tr>
<tr>
<td>20”</td>
<td>54</td>
<td>1372</td>
<td>37</td>
<td>940</td>
<td>120</td>
<td>3048</td>
<td>123</td>
<td>3124</td>
<td>50</td>
<td>1270</td>
</tr>
<tr>
<td>24”</td>
<td>54</td>
<td>1372</td>
<td>39</td>
<td>991</td>
<td>124</td>
<td>3150</td>
<td>127</td>
<td>3226</td>
<td>54</td>
<td>1372</td>
</tr>
<tr>
<td>30”</td>
<td>64</td>
<td>1626</td>
<td>51</td>
<td>1296</td>
<td>147</td>
<td>3734</td>
<td>151</td>
<td>3835</td>
<td>76</td>
<td>1950</td>
</tr>
<tr>
<td>36”</td>
<td>84</td>
<td>2134</td>
<td>56</td>
<td>1422</td>
<td>176</td>
<td>4470</td>
<td>182</td>
<td>4623</td>
<td>72</td>
<td>1929</td>
</tr>
</tbody>
</table>

© 2014 Eaton. All rights reserved. All trademarks and registered trademarks are the property of their respective owners. All information and recommendations appearing in this brochure concerning the use of products described herein are based on tests believed to be reliable. However, it is the user’s responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Eaton as to the effects of such use or the results to be obtained. Eaton assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.