In-Line Mixers
“General Duty” LS Series Mixer

Capacity
Self-pumping throughputs of 5 to 50,000 gallons/hr.

No Bypassing
Products cannot bypass the precision rotor/stator workhead.

Interchangeable Workheads
Single stage rotor/stator configurations as standard. For those applications that require greater shear, interchangeable multistage configurations can be used.

Materials of Construction
Product contact parts in 316L stainless steel. Special materials on request.

Motor Specification
TEFC (Totally Enclosed Fan Cooled), washdown duty and explosion proof motors are available as standard. Inverted rated, stainless steel and other motors are available as optional extras.

Inlet and Outlet Connections
All sanitary screw or flange fittings available on request (e.g., ISS, DIN, RJT, SMS, Tri-Clamp, etc.).

Sealing
Single or double mechanical shaft seals available as standard.

Cleaning
All Silverson In-Line mixers are designed for cleaning in place (CIP).

Aeration Free

Operating Pressures
General Duty In-Line models are designed for operation on pressures of up to 100 psi (7 bar). Higher pressure units are available on request.
In-Line Mixers
“General Duty” LS Series Mixer

Tri-clamp, 60Hz Motors

<table>
<thead>
<tr>
<th>Model</th>
<th>HP</th>
<th>R.P.M.</th>
<th>TEFC A</th>
<th>EXPL A</th>
<th>TEFC B</th>
<th>EXPL B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>Inlet/Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>275 LS</td>
<td>2</td>
<td>3600</td>
<td>20 5/8</td>
<td>20 3/8</td>
<td>5 ½</td>
<td>9 1/8</td>
<td>3 7/8</td>
<td>5 1/4</td>
<td>6 9/16</td>
<td>1 ½</td>
</tr>
<tr>
<td>400 LS</td>
<td>5</td>
<td>3600</td>
<td>25</td>
<td>-</td>
<td>6 1/8</td>
<td>-</td>
<td>3 9/16</td>
<td>6 7/8</td>
<td>8 3/8</td>
<td>-</td>
</tr>
<tr>
<td>425 LS</td>
<td>7 1/2</td>
<td>3600</td>
<td>27 1/4</td>
<td>27 1/4</td>
<td>7 1/2</td>
<td>11 3/8</td>
<td>5 1/8</td>
<td>7 1/8</td>
<td>8 27/32</td>
<td>2</td>
</tr>
<tr>
<td>450 LS</td>
<td>10</td>
<td>3600</td>
<td>27 1/4</td>
<td>27 1/4</td>
<td>7 1/2</td>
<td>11 3/8</td>
<td>5 1/8</td>
<td>7 1/8</td>
<td>8 27/32</td>
<td>2</td>
</tr>
<tr>
<td>500 LS</td>
<td>20</td>
<td>3600</td>
<td>35 7/8</td>
<td>35 7/8</td>
<td>9 1/2</td>
<td>12 1/16</td>
<td>3 1/16</td>
<td>8 9/16</td>
<td>11 3/16</td>
<td>3</td>
</tr>
<tr>
<td>600 LS</td>
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<td>3600</td>
<td>38 1/2</td>
<td>38 1/2</td>
<td>10 1/2</td>
<td>13 1/2</td>
<td>6 1/8</td>
<td>8 7/8</td>
<td>11 3/16</td>
<td>3</td>
</tr>
<tr>
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<td>43 1/2</td>
<td>15 3/16</td>
<td>17 1/16</td>
<td>6 3/8</td>
<td>10</td>
<td>15 1/2</td>
<td>3</td>
</tr>
<tr>
<td>700 LS</td>
<td>60</td>
<td>3600</td>
<td>49</td>
<td>49</td>
<td>18 1/16</td>
<td>18 13/16</td>
<td>8</td>
<td>13</td>
<td>18 7/8</td>
<td>4</td>
</tr>
<tr>
<td>750 LS</td>
<td>100</td>
<td>3600</td>
<td>53</td>
<td>53</td>
<td>19 5/16</td>
<td>20 1/2</td>
<td>8</td>
<td>13</td>
<td>18 7/8</td>
<td>4</td>
</tr>
<tr>
<td>800 LS</td>
<td>125</td>
<td>3600</td>
<td>58</td>
<td>58</td>
<td>23 3/8</td>
<td>26 1/4</td>
<td>8</td>
<td>13</td>
<td>18 7/8</td>
<td>4</td>
</tr>
</tbody>
</table>

All dimensions shown are in inches. The dimensions shown are approximate only and certified diagrams should be used for installation purposes. Silverson reserves the right to change dimensions and specifications without notice.
## In-Line Mixers

### “General Duty” LS Series Mixer

Flange fittings, 60Hz Motors

<table>
<thead>
<tr>
<th>Model</th>
<th>HP</th>
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<th>TEFC A</th>
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<th>E</th>
<th>Inlet/Outlet</th>
</tr>
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<tbody>
<tr>
<td>275 LS</td>
<td>2</td>
<td>3600</td>
<td>19</td>
<td>18 ¼</td>
<td>5 ½</td>
<td>9 ⅛</td>
<td>2 3/16</td>
<td>5 ⅛</td>
<td>6 9/16</td>
<td>1 ½</td>
</tr>
<tr>
<td>425 LS</td>
<td>7 ½</td>
<td>3600</td>
<td>25 ¼</td>
<td>25 ⁵/₈</td>
<td>7 ½</td>
<td>11 ⅜</td>
<td>3 ⅜</td>
<td>7 ¼</td>
<td>8 ⅚/32</td>
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<tr>
<td>450 LS</td>
<td>10</td>
<td>3600</td>
<td>25 ¼</td>
<td>25 ⁵/₈</td>
<td>7 ½</td>
<td>11 ⅜</td>
<td>3 ⅜</td>
<td>7 ¼</td>
<td>8 ⅚/32</td>
<td>2</td>
</tr>
<tr>
<td>500 LS</td>
<td>20</td>
<td>3600</td>
<td>33 ⅛</td>
<td>33 ⅛</td>
<td>9 ½</td>
<td>12 ½</td>
<td>3 ⅛/16</td>
<td>9 ⅛</td>
<td>11 ⅜/16</td>
<td>3</td>
</tr>
<tr>
<td>600 LS</td>
<td>30</td>
<td>3600</td>
<td>35 ⅔</td>
<td>35 ⅔</td>
<td>10 ½</td>
<td>13 ½</td>
<td>3 ⅛/16</td>
<td>9 ⅛</td>
<td>11 ⅜/16</td>
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<tr>
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<td>3600</td>
<td>41</td>
<td>41</td>
<td>15 ⅚/16</td>
<td>17 ⅜/16</td>
<td>3 ⅛/16</td>
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<td>3600</td>
<td>45</td>
<td>45</td>
<td>18 ⅜/16</td>
<td>18 ⅜/16</td>
<td>4 ⅛/6</td>
<td>14</td>
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<td>750 LS</td>
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<td>49</td>
<td>19 ⅜/16</td>
<td>20 ½</td>
<td>4 ⅛/6</td>
<td>14</td>
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<tr>
<td>800 LS</td>
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<td>54</td>
<td>54</td>
<td>22 ⅜/8</td>
<td>26 ¼</td>
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