NOTES:

1. Items shown in broken lines to be furnished by others.
2. All dimensions are ± 1 inch (25mm) and subject to change without notice.
3. Unions should be located on inlet and outlet connections of control valve to facilitate servicing.
4. The use of dissimilar metals in a piping system is not recommended. Where dissimilar metals must be connected in a water system, the use of nonconductive (dielectric) fittings may reduce galvanic corrosion.
5. An electrical outlet should be provided within five feet of the equipment location.
6. Allow a minimum of 24 inches above softener for filling.
7. To permit the observation of the drain flow do not make a direct connection to the drain, provide an air gap of at least four times the diameter of the drain pipe or conform to local sanitation codes.
8. System uses FIP tanks which must not be subjected to vacuum. Install siphon break on drain line; install vacuum breaker on inlet piping if the service line is subject to a vacuum.
9. For maximum protection of the controller, it is recommended that a dedicated 120 volt circuit is provided.
10. Brine tank dimensions shown are for the brine tank most commonly selected for use with this size system.
11. Shipping and operating weights shown on this drawing include the brine system.
<table>
<thead>
<tr>
<th>Model</th>
<th>Width A</th>
<th>Height B</th>
<th>Depth C</th>
<th>Tank Dia. D</th>
<th>Tank Height E</th>
<th>Inlet/Outlet Pipe Sizes F</th>
<th>Drain Size G</th>
<th>Floor to Inlet H</th>
<th>Brine Tank Dia. I</th>
<th>Brine Tank Height J</th>
<th>Max. Capacity Kcal/hr Salt Dissolved</th>
<th>Resin Volume L</th>
<th>Continuous Flow gpm @ 15 psi drop</th>
<th>Peak Flow gpm @ 25 psi drop</th>
<th>Drain Flow gpm</th>
<th>Min. Drain Pipe Size %</th>
<th>Duplex Opper. Wt. lbs.</th>
<th>Duplex Ship. Wt. lbs.</th>
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<td>38</td>
<td>60 @ 30</td>
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<td>0.5</td>
<td>57</td>
<td>24</td>
<td>40</td>
<td>90 @ 45</td>
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<td>32.6</td>
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<td>675</td>
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<td>69</td>
<td>24</td>
<td>40</td>
<td>120 @ 60</td>
<td>4</td>
<td>33.3</td>
<td>31.8</td>
<td>5.5</td>
<td>0.5</td>
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<td>0.5</td>
<td>71</td>
<td>24</td>
<td>40</td>
<td>150 @ 75</td>
<td>5</td>
<td>27.2</td>
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<td>HE-210</td>
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<td>71</td>
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<td>210 @ 105</td>
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</tbody>
</table>

**NOTES:**

1. Items shown in broken lines to be furnished by others.
2. All dimensions are ± 1 inch (25mm) and subject to change without notice.
3. Unions should be located on inlet and outlet connections of control valve to facilitate servicing.
4. The use of dissimilar metals in a piping system is not recommended, where dissimilar metals must be connected in a water system, the use of non-conductive (dielectric) fittings may reduce galvanic corrosion.
5. An electrical outlet should be provided within five feet of the equipment location.
6. Allow a minimum of 24 inches above softener for filling.
7. To permit the observation of the drain flow do not make a direct connection to the drain; provide an air gap of at least four times the diameter of the drain pipe or conform to local sanitation codes.
8. System uses PPR tanks which must not be subject to vacuum. Install siphon break on drain line. Install vacuum breaker on inlet piping if the service line is subject to a vacuum.
9. For maximum protection of the controller, it is recommended that a dedicated 120 volt circuit is provided.
10. Brine tank dimensions shown are for the brine tank most commonly selected for use with this size system.
11. Shipping and operating weights shown on this drawing include the brine system.

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**Culligan®**

**ENGINEERED SYSTEMS**

**ROSEMONT, ILLINOIS**

**PRINT AND BILL OF MATERIAL NOT TO BE USED WITHOUT THE WRITTEN CONSENT OF CULLIGAN INTERNATIONAL CO.**

**NAME: HE 1.5" AUTOMATIC SOFTENER DUPLEX**

**TECHNICAL DATA SHEET**

---

**REFERENCE: HE 1.5 S-2**
**Notes:**

1. Items shown in broken lines to be furnished by others.
2. All dimensions are ± 1 inch (25mm) and subject to change without notice.
3. Unions should be located on inlet and outlet connections of control valve to facilitate servicing.
4. The use of dissimilar metals in a piping system is not recommended. Where dissimilar metals must be connected in a water system, the use of nonconductive (dielectric) fittings may reduce galvanic corrosion.
5. An electrical outlet should be provided within five feet of the equipment location.
6. Allow a minimum of 24 inches above softener for filling.
7. To permit the observation of the drain flow do not make a direct connection to the drain. Provide an air gap of at least four times the diameter of the drain pipe or conform to local sanitation codes.
8. System uses PRP tanks which must not be subjected to vacuum. Install siphon break on drain line. Install vacuum breaker on inlet piping if the service line is subject to a vacuum.
9. For maximum protection of the controller, it is recommended that a dedicated 120 volt circuit is provided.
10. Brine tank dimensions shown are for the brine tank most commonly selected for use with this size system.
11. Shipping and operating weights shown on this drawing include the brine system.

### Dimensions (Inches)

<table>
<thead>
<tr>
<th>Model</th>
<th>Width</th>
<th>Height</th>
<th>Depth</th>
<th>Tank Dia</th>
<th>Tank Height</th>
<th>Inlet/Outlet Pipe Sizes</th>
<th>Drain Size</th>
<th>Floor to Inlet</th>
<th>Brine Tank (in)</th>
<th>Brine Tank Height (in)</th>
<th>Max. Capacity</th>
<th>Continuous Flow</th>
<th>Peak Flow</th>
<th>Drain Flow</th>
<th>Min. Drain Pipe Size</th>
<th>Duplex Want</th>
<th>Duplex Shaf Want</th>
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</thead>
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<td>14</td>
<td>46</td>
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<td>38</td>
<td>60</td>
<td>60 (30)</td>
<td>24</td>
<td>25.1</td>
<td>31.5</td>
<td>5.5</td>
<td>0.5</td>
</tr>
<tr>
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<td>0.5</td>
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<td>90</td>
<td>90 (45)</td>
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<td>16</td>
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<td>69</td>
<td>24</td>
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<td>37.4</td>
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</tr>
</tbody>
</table>

### Diagram

- **Outlet (F)**
- **Inlet (F)**
- **Drain Line Connection (G)**

---

**Culligan® ENGINEERED SYSTEMS**

**ROSEMONT, ILLINOIS**

**Name:** HE 1.5" AUTOMATIC SOFTENER TRIFLEX

**Technical Data Sheet**

**Detail:** DATED 03/28/11

**Commercial Use:** Print and Bill of Material are not to be used without the written consent of CULLIGAN INTERNATIONAL CO.
## Dimensions (Inches)

<table>
<thead>
<tr>
<th>Model</th>
<th>Width A</th>
<th>Height B/E</th>
<th>Depth C</th>
<th>Tank Dia. D</th>
<th>Tank Height E</th>
<th>Inlet/Outlet Pipe Sizes F</th>
<th>Drain Size G</th>
<th>Floor to Inlet H</th>
<th>Brine Tank Dia. I</th>
<th>Brine Tank Height J</th>
<th>Max. Capacity for Salt Dosage</th>
<th>Resin Volume (ft³)</th>
<th>Continuous Flow (gpm @ 15 psi drop)</th>
<th>Peak Flow (gpm @ 20 psi drop)</th>
<th>Drain gpm</th>
<th>Min. Drain Pipe Size P</th>
<th>Duplex (in.)</th>
<th>Duplex (lb.)</th>
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<td>120 @ 60</td>
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<td>35.8</td>
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<td>71</td>
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<td>210 @ 105</td>
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<td>11.5</td>
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</tbody>
</table>

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7. To permit the observation of the drain flow do not make a direct connection to the drain, provide an air gap of at least four times the diameter of the drain pipe or conform to local sanitation codes.
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