**DOT-110 Ton Containers**

**110A Series Ton Tank**

DOT Class 110A fusion-welded multi-unit tank car tanks or “ton tanks” for compressed gases such as refrigerant gases and fire-extinguishing gases, and for PIH materials such as hydrazine and nitrogen tetroxide.

Standard test pressures of 500, 800, 1,000 and 2,000 psi (35, 55, 70 and 140 bar in metric models). Standard capacities of 193 or 212 US water gallons (732 or 803 liters) and custom capacities up to 250 US water gallons (946 liters). We manufacture both a standard and metric capacity model.

Our 110A series tanks are independently inspected by our resident authorized inspection agency to meet US DOT 110A500W, 110A800W, 110A1000W and 110A2000W (by exemption) specifications and IMDG Code (CA 1996070013).
**DOT-110 Ton Containers**

**Fusion Welded Pressure Vessel**

Since 1936, Columbiana Boiler has manufactured over 200,000 transport containers for hazardous liquids and gases.

**Liquid and Pressure Controls**

- Two (2) service valves (liquid & vapor), with CGA 820 or 660 outlets, located within a heavy-duty protective bonnet
- Pressure relief devices (fusible plugs and/or spring-loaded pressure relief devices)

**Design Characteristics**

- ASTM A-516 Grade 70 carbon steel
- ASTM A-240 Grade 304L stainless steel available
- Service temperature = -40 to 140°F (-40 to 60°C)

**Weights and Sizes**

<table>
<thead>
<tr>
<th>DOT Spec.</th>
<th>test pressure</th>
<th>tare weight</th>
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</thead>
<tbody>
<tr>
<td>110A500W</td>
<td>500 psig</td>
<td>1,200 lbs.</td>
</tr>
<tr>
<td>110A800W</td>
<td>800 psig</td>
<td>1,425 lbs.</td>
</tr>
<tr>
<td>110A1000W</td>
<td>1,000 psig</td>
<td>2,305 lbs.</td>
</tr>
<tr>
<td>110A2000W</td>
<td>2,000 psig</td>
<td>2,815 lbs.</td>
</tr>
</tbody>
</table>

*capacity “standard” ton = 193 gal 732 lt approx. 30" OD x 81.5" length (762 x 2,070 mm)
*capacity “metric ton” = 212 gal 803 lt approx. 30" OD x 88.5" length (762 x 2,248 mm)
*product payload depends on the calculated filling density.

**Options**

- Gas tight bonnet
- Training Ends
- Shipping Skids
- Emergency Safety Kits
- Valves, Plugs and all other spare parts