The A-43 High Integrity Container (HIC) was specifically designed for packaging dross, abrasive water jet grit, filters, and other waste materials containing irradiated metals.

All packaging activities associated with the A-43, including dewatering and HIC Closure, take place underwater, thereby minimizing personnel exposure and the potential for airborne contamination. Additional features of this proven and innovative process container are as follows:

**Features**

- SC-DHEC Certificate of Compliance No. DHEC-HIC-ML-019
- Accommodates waste to 10,000+ R/Hr
- Remote/submersed operation
- Remote lid closure
- Metallic high alloy construction
- ASME Section VIII Code design
- Safe long-term storage/fireproof
- Physical dimensions compatible with TN-RAM
- Secondary lid for lifting and protection of primary lid connections

**Benefits**

- ALARA
  - Minimizes personnel exposure
  - Mitigates potential for leakage and spills
  - Mitigates potential for airborne contamination
  - No air picks required for cask loading
- Simplifies Handling of very high rad materials
- Negates need for shielding
- Maximizes floor space
- Shortens hose runs
**AVANTech A-43 High Integrity Container**

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model No.</td>
<td>AVANTech A-43</td>
</tr>
<tr>
<td>Weight (empty)</td>
<td>2,700 lbs.</td>
</tr>
<tr>
<td>Weight (full)</td>
<td>9,200 lbs. (max.)</td>
</tr>
<tr>
<td>Max. Waste Volume</td>
<td>42.5 ft³</td>
</tr>
<tr>
<td>Disposal Volume</td>
<td>55.8 ft³</td>
</tr>
<tr>
<td>Outside Diameter</td>
<td>34 in.</td>
</tr>
<tr>
<td>Overall Height</td>
<td>106 in.</td>
</tr>
<tr>
<td>Operating Pressure</td>
<td>50 psig to Full Vacuum</td>
</tr>
<tr>
<td>Connection Size</td>
<td>1 in. (Typ.)</td>
</tr>
</tbody>
</table>

*Typical specifications; may vary per application.*

### Standard Options

- Wastewater Treatment Rate 15 gpm

### Available Options

- Backwashable internals
- Multimedia internals
- Filtration
- Ultrasonic fuel solids removal

---

**Diagram:**

- **PLAN VIEW**
- **ELEVATION**
  - 3" Dia. Hole
  - Two (2) Places
  - Four (4) Places Equally Spaced
  - This Side Up
  - Gross Weight: 9,200 lbs
  - Empty Wt.: 2,900 lbs
  - Serial No.

---

**Contact Information:**

- 803.407.7171 • 2050 American Italian Way, Columbia, South Carolina 29209
- 865.539.9000 • 2680 Westcott Boulevard, Knoxville, Tennessee 37931
- 509.943.6706 • 2155 Robertson Drive, Richland, Washington 99354
- info@avantechinc.com • [www.avantechinc.com](http://www.avantechinc.com)