### Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Absorption type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target Vapor</td>
<td>Gasoline</td>
</tr>
<tr>
<td>Collection Efficiency (Total)</td>
<td>99%</td>
</tr>
<tr>
<td>Collection Efficiency (Inlet)</td>
<td>0.2% or more</td>
</tr>
<tr>
<td>Air Supply</td>
<td>Compressed liquid nitrogen. Note: Reduce valve &amp; re-check if air pressure exceeds 1.5MPa</td>
</tr>
<tr>
<td>Air Consumption</td>
<td>2 tubes, opening pressure 0.28MPa, 0.38MPa (capacity 9.72m³ ≤ 1.25m³)</td>
</tr>
<tr>
<td>Installation Location</td>
<td>Outside, rear area</td>
</tr>
<tr>
<td>Power Supply</td>
<td>10kW, 390V, 50Hz, 400V</td>
</tr>
<tr>
<td>Max. Capacity</td>
<td>20kW, 390V, 50Hz</td>
</tr>
<tr>
<td>Max. Installation Capacity</td>
<td>150kW, 390V, 50Hz</td>
</tr>
<tr>
<td>Max. Storage Interval</td>
<td>10kW, type: 7 hours, 15kW, type: 11 hours</td>
</tr>
<tr>
<td>Dimensions</td>
<td>VRU skid: 1900x1700x1800mm (VRU controller: 1100x1800x1800mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>190kW, type: 2000kg, 150kW, type: 2000kg</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>-20°C ~ +40°C</td>
</tr>
</tbody>
</table>

### Dimensions

- **VRU skid**
  - Width: 1900mm
  - Depth: 1700mm
  - Height: 1800mm

- **VRU controller**
  - Width: 1100mm
  - Depth: 1800mm
  - Height: 1800mm

### Precautions

For your safety, read the precautions section in the instruction manual attached to the product.

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**Contact information**

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This product is manufactured in ISO 14001: 2004 Quality Management System, ISO 14001: Environmental Management System, registered factory.
Vapor in the underground tank may cause air pollution or oil loss as vapor is released into the air through the vent pipe.

**Unloading**
- 20 ~ 30L of vapor is released into the air per 10KL unloading
- If the unloading volume is 300KL per month...
  
  **600~900L oil loss per month**
  (Equivalent to 0.2% ~ 0.3% of the whole unloading volume)
  ▲Oil loss volume may vary by climate

- If oil unit price is $1.5/L...
  
  **$900 ~ $1350 loss per year**

**Normal condition**
- If temperature in the tank becomes high, amount of vapor increases and vapor is released into the air
- Thin → Thick

**Unloading (With vapor return line)**
- Vapor is collected by the lorry

To reduce air pollution and oil loss...

We recommend installing **E-Recovery**

"E-Recovery" is a system for returning vapor to underground tanks

**Configuration**
- **Main unit**
  - 20KL unloading type
  - 10KL unloading type

**Advantages**

1. **Collects more than 98% of vapor occurring from unloading**
   - Air pollution and toxic VOC emission is prevented.
   - 0.2 ~ 0.3% of unloading volume is collected by e-Recovery

2. **Vapor recovery process is done automatically**
   - Percentage may differ by unloading volume and interval time
   - When unloading needs to be done while adsorption is still in progress, reset button needs to be pressed

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**Adsorption process**
- **Clean air emission**
- **Reduce air pollution**

**Desorption process**
- **Pressure in the tank increases as liquid level rises**
- "e-Recovery" detects underground tank pressure rise and automatically starts adsorption process

1. Vapor is adsorbed by silica gel in the adsorption tower
2. Vapor is not released into the air as the breather valve is closed
   - The breather valve opens when abnormal pressure increase occurs
3. Gasoline volume in the underground tank is maintained as condensed vapor returns to the tank
   - Reduce oil loss