MERCURY RETORTS

INDUSTRY USES

Denver Mineral Engineers’ mercury retorts are designed to remove water and mercury from:
- Precious metal concentrates
- Contaminated soils and refuse
- Fluorescent light bulbs

STANDARD DESIGN FEATURES

- 316 stainless steel retort chamber
- Insulated carbon steel shell (surface temperature no greater than 150 deg. F, 65 deg. C)
- Electrically heated and controlled with a variable “ramp and soak” temperature controller
- Retort door sealed with a heat resistant O-ring
- Sulfur-impregnated activated carbon mercury filters
- Stainless steel condensers and heat exchangers
- Carbon steel oversized mercury collection tank with drain and level gauge
- 316 SS retort trays
- Skid mounted, pre-piped, pre-wired, for easier set-on-site installation

OPTIONS AVAILABLE

- Fuel oil fired
- Gas fired
- All SS/PVC process equipment
- Closed-loop chilled water
- RA-330 SS retort
- 380 VAC/3PH/50HZ
- RS-485 or RS-232 data communication
- Alternate control schemes
- Custom designs
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>MOD-</th>
<th>BATCH VOL</th>
<th>POWER REQUIRED</th>
<th>RETORT TRAYS</th>
<th>RETORT DIA</th>
<th>W x L x H</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Cubic Feet</td>
<td>Cubic Meters</td>
<td>Feet</td>
<td>Feet</td>
<td>Feet Meters</td>
<td>Lbs Kg</td>
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<tr>
<td>MR-LAB</td>
<td>0.04</td>
<td>0.001</td>
<td>8KW</td>
<td>1-6&quot;x4&quot; dia.</td>
<td>4x4x4</td>
<td>1.2x1.2x1.2</td>
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<td>MR-1</td>
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<td>0.028</td>
<td>15KW</td>
<td>3-6&quot;x12&quot; dia.</td>
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<td>1.8x1.2x1.8</td>
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<td>MR-2</td>
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<td>22KW</td>
<td>4-5&quot;x16&quot; dia.</td>
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<td>MR-4</td>
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<td>0.113</td>
<td>27KW</td>
<td>4-4&quot;x18&quot;x30&quot;</td>
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<td>MR-8</td>
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<td>40KW</td>
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