Cooling is needed at the end of the expansion line.
Air Cooled Condenser is available Technology
ACC key features

- No Water Consumption
- No visible plume
- No icing risk in vicinity
- High availability
- Proven Technology
- Test covered by Codes & Standards
- Performances Impacted by air temperature and wind
ACC : straight from W/S properties

Saturation Pressure vs air temperature

<table>
<thead>
<tr>
<th>Air Temperature</th>
<th>°C</th>
<th>-10</th>
<th>0</th>
<th>10</th>
<th>20</th>
<th>30</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air temp. + 30°C</td>
<td>°C</td>
<td>20</td>
<td>30</td>
<td>40</td>
<td>50</td>
<td>60</td>
<td>70</td>
</tr>
<tr>
<td>Saturation P</td>
<td>mbar</td>
<td>23</td>
<td>42</td>
<td>74</td>
<td>124</td>
<td>199</td>
<td>312</td>
</tr>
<tr>
<td>Specific Volume</td>
<td>m³/kg</td>
<td>57,8</td>
<td>32,9</td>
<td>19,5</td>
<td>12,0</td>
<td>7,7</td>
<td>5,0</td>
</tr>
</tbody>
</table>

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Some ALSTOM turnkey Plants with ACC

- Aluar 1 & 2 Combined Cycle – Argentina
- Hays 3 & 4 Combined Cycle – Texas / USA
- Gend Ringvart Combined Cycle – Belgium
- Baudour Combined Cycle – Belgium
- Esch sur Alzette Combined Cycle – Luxembourg
- Gissi 1 & 2 Combined Cycle – Italy
- Langage Combined Cycle – UK
- Shotton CHP Combined Cycle – UK
- Medupi 1-6 Steam tails – South Africa
- Kusile 1-6 Steam tails – South Africa
- San Reus Combined Cycle - Spain
ACCs are not uncommon. Even in places where water is available.