CNG DRYER / PURIFIER

High pressure dryer / purifier for NGV refueling

- **Pressure**
  - 2000 to 5000 psig

- **Flow Rate**
  - 40 scfm or 150 scfm

BAUER high pressure dryers for compressed natural gas are the economical and logical choice for drying natural gas for NGV refueling.

The dryers are low cost thanks to their simple design and logical because not only do they dry the gas but they eliminate oil contamination before it can accumulate in storage or in the NGV’s fuel system.
CNG Dryer / Purifier

**STANDARD SCOPE OF SUPPLY**
- Coalescing filter at inlet with manual drain
- Check valve at inlet
- Liquid filled pressure gauge at inlet
- Safety valve at inlet for overpressure protection
- 2 or 3-tower dryer each with replaceable dryer cartridge
- 3-micron particulate filter downstream of dryer towers
- Gas sampling valve
- Check valve and pressure maintaining valve installed at outlet
- Bypass valve and vent valve to facilitate maintenance and cartridge replacement

**Technical Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Processing Capacity1)</th>
<th>Maximum flow rate</th>
<th>Number of dryer towers</th>
<th>Dryer cartridge composition</th>
<th>Dryer cartridge type</th>
</tr>
</thead>
<tbody>
<tr>
<td>FT³</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>P5-CNG</td>
<td>222,300</td>
<td>1800</td>
<td>40</td>
<td>2</td>
<td>MS 3A</td>
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<tr>
<td>P10-CNG</td>
<td>327,275</td>
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<td>3</td>
<td>^</td>
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<td>P12-CNG</td>
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<td>5200</td>
<td>150</td>
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<td>P14-CNG</td>
<td>951,000</td>
<td>7700</td>
<td>^</td>
<td>3</td>
<td>^</td>
</tr>
</tbody>
</table>

1) Processing capacity referenced to 7 lbs / MMscf moisture content. Values are approximate.

MS = Molecular Sieve  
FT³ = Cubic Feet  
GGE = Gasoline Gallon Equivalent