The GEA DICAR-B carbonating system has been designed for precisely controlling the CO2 content of beverages such as beer. The cabled and tested system is mounted on a base frame and consists of the following essential components:

- an optional flowmeter
- a modulating valve (CO2)
- a carbonating unit
- an analyzer (CO2)
- a saturation pipe
- a control panel

The required CO2 content is set in g/L via the operator’s control panel and set points are calculated automatically. The resulting flow rates are monitored and regulated by highly accurate modulating valves. The saturation pipe is designed to complete CO2 bonding prior to reaching the analyzer.

Features
- Single-stage carbonation
- CO2 content measurement
- Direct CO2 control
- Accurate CO2 dispersion
- Easy to operate
DICAR-B
Carbonation system for beer and beer mix

<table>
<thead>
<tr>
<th>Capacity (l/h)</th>
<th>Nominal width DN</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Electrical power (kW)*</th>
<th>Approx. max. weight (kg)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,000 - 4,500</td>
<td>25</td>
<td>2,500</td>
<td>1,000</td>
<td>1,985</td>
<td>&lt; 1</td>
<td>170</td>
</tr>
<tr>
<td>4,000 - 10,000</td>
<td>40</td>
<td>2,500</td>
<td>1,000</td>
<td>1,985</td>
<td>&lt; 1</td>
<td>175</td>
</tr>
<tr>
<td>7,500 - 15,000</td>
<td>50</td>
<td>2,500</td>
<td>1,000</td>
<td>1,985</td>
<td>&lt; 1</td>
<td>180</td>
</tr>
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<td>12,000 - 25,000</td>
<td>65</td>
<td>2,500</td>
<td>1,000</td>
<td>2,015</td>
<td>&lt; 1</td>
<td>200</td>
</tr>
<tr>
<td>18,000 - 36,000</td>
<td>80</td>
<td>2,500</td>
<td>1,000</td>
<td>2,025</td>
<td>&lt; 1</td>
<td>215</td>
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<tr>
<td>28,000 - 56,000</td>
<td>100</td>
<td>2,500</td>
<td>1,000</td>
<td>2,170</td>
<td>&lt; 1</td>
<td>235</td>
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<tr>
<td>44,000 - 88,000</td>
<td>125</td>
<td>3,000</td>
<td>1,300</td>
<td>2,250</td>
<td>&lt; 1</td>
<td>270</td>
</tr>
<tr>
<td>60,000 - 125,000</td>
<td>150</td>
<td>3,000</td>
<td>1,300</td>
<td>2,250</td>
<td>&lt; 1</td>
<td>310</td>
</tr>
</tbody>
</table>

* Without options

**Options**
1. Sterile filter for CO₂
2. Booster pump
3. Subsidiary Ratio Control
4. Steam on CO₂ pipe

**Technical Data**
- Pressure drop: approximately 1.5 bar
- CO₂ pressure: 6 bar (purity 99.995%)
- Control air: 6 - 8 bar
- Carbonating: 1...8 g/l or 0.4...4 l/l (other values on request)
- Product temperature max.: 10°C (other values on request)