Craftmate G
Compact glass filler for the low output range
Glass filler for beer and CSD

The Craftmate C has been on the market since 2015 – inspiring small and medium-sized breweries and craft breweries all around the world ever since. Thanks to the major success of the compact can filler, KRONES has now also developed a dedicated filler for the low output range for glass applications: the Craftmate G. In terms of technology, it is identical to its bigger brothers and sisters in the Modulfill series, but in terms of space requirements it matches the compactness of the Craftmate C – thus making it the ideal solution for small and medium-sized breweries who place stringent demands on their filling processes.

**At a glance**
- Filling of beer and CSD in glass bottles
- Two pitch circles: 1,440 and 1,800 mm
- Output range: Up to 24,000 containers per hour
- Cost-efficient bottling technology in the familiar KRONES quality
- Compact design
- Up to two cappers can be integrated (crowns, screw caps or aluminium roll-on caps)
The components

- Control cabinet with integrated pneumatic controller for the valve manifold
- Compact valve manifold with integrated vacuum pump
- Crowner
- KRONES operator panel in touch-screen design
- Proven vent tube counter-pressure filling system
- Table top with rooftable design
- Handling parts can be changed without tools
- Easy access thanks to swing doors
Facts and figures

Products
Beer and carbonated soft drinks

Containers
Glass bottles

Closures
Crowns, aluminium roll-on caps, plastic screw caps

Specific output [bottles/hour]*
(parameters: Bottom-fermented beer; 5.6 g CO₂; 5°C)

<table>
<thead>
<tr>
<th>Machine pitch</th>
<th>94</th>
<th>103</th>
<th>113</th>
<th>126</th>
<th>141</th>
<th>188</th>
<th>226</th>
<th>283</th>
</tr>
</thead>
<tbody>
<tr>
<td>ø Pitch circle (mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,440</td>
<td>48</td>
<td>44</td>
<td>40</td>
<td>36</td>
<td>32</td>
<td>24</td>
<td>20</td>
<td>16</td>
</tr>
<tr>
<td>1,800</td>
<td>60</td>
<td>55</td>
<td>50</td>
<td>45</td>
<td>40</td>
<td>30</td>
<td>25</td>
<td>20</td>
</tr>
</tbody>
</table>

*Depending on the bottle volume, bottle diameter and the product properties, applicable for a pitch circle of 1,440 mm with 40 filling points
## Details

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filling system</td>
<td>Counter-pressure filler with vent tube</td>
</tr>
<tr>
<td>CIP cups</td>
<td>Manual insertion of CIP cups</td>
</tr>
<tr>
<td>CIP</td>
<td>Closed CIP circuit</td>
</tr>
<tr>
<td>Height adjustment</td>
<td>Automatic</td>
</tr>
<tr>
<td>Basic assembly</td>
<td>Rooftable table top (stainless steel) in inclined design for reliable draining of cleaning agents</td>
</tr>
<tr>
<td>Design basis</td>
<td>Compact machine for applications with very limited space requirements</td>
</tr>
<tr>
<td>Controller</td>
<td>Siemens TIA or Allen Bradley</td>
</tr>
<tr>
<td>Handling parts</td>
<td>Raptec (can be changed without tools)</td>
</tr>
<tr>
<td>Cappers</td>
<td>Up to two cappers can be integrated (crowns, screw caps or aluminium roll-on caps)</td>
</tr>
</tbody>
</table>
The filling system

- Reliable fill level determination via the vent tube
- End of filling after liquid contact with vent tube
- Low-oxygen filling through several pre-evacuation steps with intermediary CO₂ flushing
- Electro-pneumatically controlled filling valve functions
The valve manifold

- Compact layout
- Integrated vacuum pump
- Pneumatic components installed in control cabinet
- Manual Evoguard flap valves

Options:
- Automatic flap valves
- Foam separator for the vacuum pump
- Sealing water cooling for the vacuum pump
- Quality measuring instruments for the filled product (conductivity, original extract, turbidity, Brix content)
Footprint

The Craftmate features an impressive compact design with ease of access on a small footprint.
Height dimensions

- **Conveyor height**: 3,190 mm
- **Maximum height of the sorter for a bottle height of 360 mm**: 3,190 mm
- **Height of the machine guard**: 3,000 mm
- **Conveyor height**: 1,150 mm

![Diagram of KRONES Craftmate G](image)
Benefits

Double the flexibility
Craftmate G is your specialist for filling in the low output range – offering great flexibility at the same time, with the ability to fill both beer and carbonated soft drinks in glass bottles.

Tried-and-tested technology
The electro-pneumatically actuated filling valves work extremely reliably, and the fill quantity can also be determined thanks to the interchangeable vent tube. The technology that is installed has already proved itself for many years in the Modulfill series.

Short change-over times
All handling parts can be changed quickly, easily and without the need for tools.

Easy to clean
An inclined table top and manually inserted CIP cups ensure easy machine cleaning.

Compact design
The supply of product is held in a ring bowl installed on the filler carousel, and the valve manifold and control cabinet are positioned right next to the filler. This way, the Craftmate G requires only very little space in the bottling hall.

Low transport costs
Of course, these compact dimensions are also a bonus when it comes to transport. Since the entire machine can be dismantled into two compact modules, the costs for shipment can be kept low.
Everywhere from a single source

Training sessions at the KRONES Academy – trained personnel increases your line efficiency
The versatile training offer ranges from operation, servicing and maintenance to management training. We will gladly also establish your individual training programme.

KIC KRONES cleaning agents make your machine shine
Only if the production environment is immaculate, can your product be brilliant. KIC KRONES provides you with the optimum cleaning agents and disinfectants for each individual production step.

Lubricants from KIC KRONES for every production step
Whether for gears, chains or central lubrication systems – our greases and oils are true all-round talents. They can reach every lubrication point, protect your line and ensure gentle treatment for your products thanks to their food-grade quality.

KRONES Lifecycle Service – partner for performance
Also after having purchased a new machine, KRONES will take care of your line; the LCS experts are always ready to consult you and translate your goals and wishes into optimal LCS solutions.

EVOGUARD – excellent valve technology all along the line
The valve series of EVOGUARD comprises a modular system with hygienic and aseptic components which contributes to every point of the production line with increased performance and which has the perfect solution for every process step.

EVOGUARD – pumps for absolute process safety
In addition to the separation and locking of a line, one thing is particularly important - and that is the reliable conveyance of your product. This is why EVOGUARD also offers innovative centrifugal pumps in addition to high-quality valves.
We do more.

Digitalisation

Process technology

Bottling and packaging equipment

Intralogistics

Lifecycle Service