



# Polycarbonate bottles

More output and performance with Bekum



PC CONTAINERS

Highest output of over 160 containers/hour  
5 Gallon Aqua design

Production with virgin PC material, recycled material or a combination of both is possible

Reproducible product quality and high efficiency

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Polycarbonate (PC) is the preferred material in the manufacturing of water bottle containers over 10 liters. This is due to its excellent material properties such as stability, cleaning capabilities, even at temperatures above 85° C, and crystal-clear transparency.

## Your Advantages at a glance:

- Highest output of over 160 containers/hour with fully automatic flash removal and upright container take-out to conveyor (reference article "Nestlé 5 Gallon Aqua Design without handle" with 750 g net weight)
- Production with virgin PC material, recycled material or a combination of both is possible (Bekum has experience gained from many installed user projects)
- Crystal-clear water bottles transparency with cloud-free surface and without black spots, thinning and flow marks
- High-performance and wear-resistant machine concept with compact footprint for high durability and long production capability
- Closed-loop, PC-based controls and proportional hydraulics for reproducible product quality and high efficiency
- Extrusion heads with spiral mandrel technology from Bekum allow uniform wall thickness 360° around the water bottle
- Energy-saving extruder with AC motor and Bekum special screw geometry ensures gentle melting of material and optimum homogenization
- Multi-zone mould temperature control and quick-change special blow mould inserts for the production of polycarbonate water bottles with or without handles
- For material drying and material feeding, Bekum offers tailor-made material handling systems and grinders on request
- The same machine, with minor modifications, can also process PE canisters.



With its convincing performance characteristics and the system design optimally, Bekum sets the standard in the water bottle production.

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