



bottelpack®
bp 321M

Aseptic Blow-Fill-Seal packaging machine for the production of ampoules

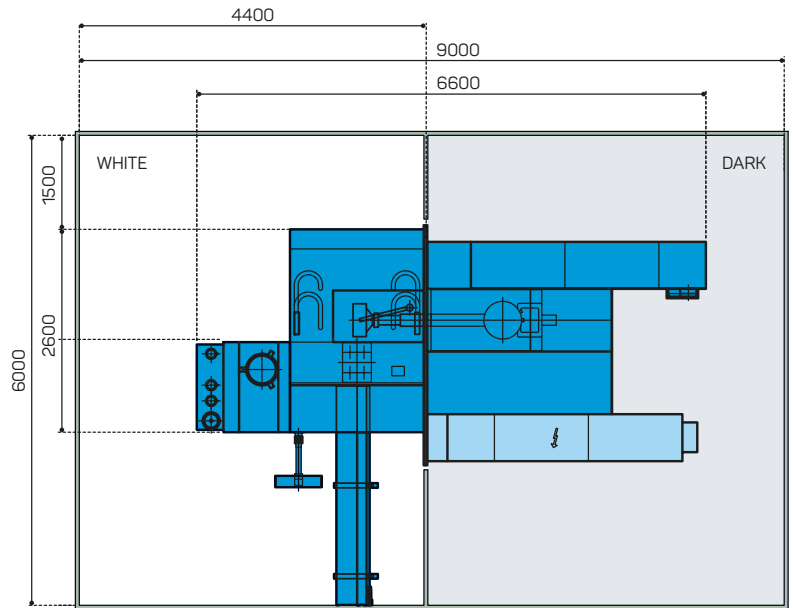
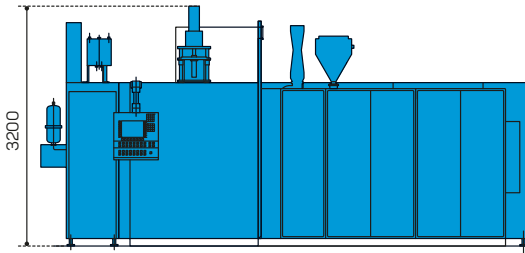
bp 321M		volume max. (ml)	max. container width (mm)	capacity (approx. pieces/h)
10-cavities	multi	50	38	3,000
	single	45	36	
12-cavities	multi	30	31	3,600
	single	25	29	
14-cavities	multi	25	27	4,200
	single	20	24	
15-cavities	multi	20	24	4,500
	single	20	22	
16-cavities	multi	20	22	4,800
	single	20	20	
20-cavities	multi	20	17	6,000
	single	15	15	
24-cavities	multi	5	14	7,200
30-cavities	multi	5	11	9,000

Capacity indications subject to:
type of plastic, shape of ampoule, weight of ampoule, nature of filling liquid

multi = multiblock
single = individual ampoule



x = max. container width



- Machine
- Cleanroom with dark/white separation
- Control cabinet

Upon request the machine can be executed without dark/white separation. Dimensions are depending on final project specifications.

Technical Data

- ▶ **Power:**
3 x 400 V + neutral + earth · 50/60 Hz
- ▶ **Extruder:**
KP55-24D
- ▶ **Electrical supply:**
Approx. 60 kW
- ▶ **∅ Consumption:**
Approx. 40 kW
- ▶ **Compressed air:**
· Piston displacement approx. 1,000 sl/min in oil-free quality
· Operation pressure 7 bar minimum
- ▶ **Cooling water (closed cycle cooling):**
Approx. 3.0 m³/h with 10 – 12 °C and 4 – 5 bar, dirt-filtered ≤ 55 micron
- ▶ **City water consumption:**
Approx. 60 l/h with max. 20 °C and 4 – 5 bar, dirt-filtered ≤ 55 micron
- ▶ **Steam (only for machines which are sterilized):**
· Pure steam 2.5 bar, particle-filtered ≤ 1 micron (DIN58950-7)
· Consumption at sterilization: approx. 40 kg/h
- ▶ **Dosing:**
Time-pressure-dosing continuously adjustable for each single cavity with filling volumes between 0.1 ml and 50 ml
- ▶ **Extruder:**
· Extruder with continuously regulable electric drive
· Screw ∅ 55 – 24D melting capacity up to max. 80 kg/h
· The melting capacity refers to polyethylene LDPE up to 0.93 density – other plastics may vary
- ▶ **Extrusion head:**
With exchangeable nozzles
- ▶ **Weight of machine:**
Approx. 9 tons
- ▶ **Soil bearing value:**
Approx. 1.6 tons/m²
- ▶ **Extra and special equipment:**
· **coolBFS** to fill heat sensitive products
· Multi-layer containers to provide gas permeation barriers
· Integrated circulation function to fill suspensions
· Laser system for container coding and separation
· And many other customer specific options

Technical modifications reserved

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