

Automatic PET Bottle Blow Molding Machine – Model A-12000-7

Description:

3D model of Automatic PET blow molding machine A-12000-7

The machine is designed to produce PET bottle from preheated preforms stretched and blown two-steps by means of in seven-seat mold. The finished product may vary from 0,25 up to 2,0 in capacity by productivity 12000 BPH. The machine consists of power unit, furnace for heating preforms, preform autoloader, container with control system. The preform autoloader is designed for preform orientation and feed them to heating area. The furnace for heating preforms is designed for uniform heating of preform and positioning in area capture of gripping holder step by step. The power unit is designed for filing preform on mold and provides product blowing out, taking out of ready product from mold and feed them the next technological line. The use of servo-drivers provides uniform rate and intensifying for more quantity traction of preform before blowing out. Specialized valve terminal with self-diagnostic used for the control of air powered drive. The control of level heating bulb by means industrial and specialized module of control. The machine is equipped with pneumatic devices and servo-drivers, controller and electronics by "FESTO" company.



Details:

Technical Parameter	Specification / Value
Maximum production capacity, bottles per hour	12,000 (depends on bottle volume, geometry, weight and application)
Container volume range	0.25 to 2 liters
Maximum bottle diameter	105 mm
Maximum bottle height (with neck)	350 mm
Number of mold cavities	7 cavities
Pre-blowing pressure	1 MPa (10 bar)
Main blowing pressure	4 MPa (40 bar)
Control system pressure	0.8 MPa (8 bar)
Total compressed air consumption	18.75 Nm ³ /min
Number of heating elements	80 pcs in 16 separate zones
Coolant temperature	6 to 10 C
Coolant flow rate	2.5 m ³ /h
Coolant pressure	0.3 MPa (3 bar)
Required chiller capacity	4.41 kW
Power consumption	57 kW
Supply voltage	380 V (three-phase)
Permitted operating ambient temperature	0 to +40 C
Machine dimensions (L x W x H)	9.4 x 3.5 x 2.2 m
Machine weight	8,000 kg
Compatible preform types	Lightweight, short, standard, thick-walled



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