

## Automatic PET Bottle Blow Molding Machine – Model A-8000-5

### Description:

The machine is designed to produce PET bottle from preheated preforms stretched and blown two-steps by means of in quintuple mold. The finished product may vary from 0,25 up to 2,0 in capacity by productivity 8000 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 Productivity, bottles per hour | 8,500 (depends on bottle volume, geometry, weight and application) |
| Container Volume Range                 | 0.25 L – 2.5 L                                                     |
| Number of Mold Cavities                | 5 Cavities                                                         |
| Max. Container Diameter                | 105 mm                                                             |
| Max. Container Height (with neck)      | 350 mm                                                             |
| Pre-blowing Pressure                   | 1.0 MPa (10 bar)                                                   |
| Main Blowing Pressure                  | 4.0 MPa (40 bar)                                                   |
| Control System Pressure                | 0.8 MPa (8 bar)                                                    |
| Total Compressed Air Consumption       | 14.95 Nm <sup>3</sup> /min                                         |
| Heating Elements / Zones               | 64 Pcs / 16 Independent Zones                                      |
| Cooling Water Temperature              | 6°C – 10°C                                                         |
| Cooling Water Flow Rate                | 2.0 m <sup>3</sup> /h                                              |
| Cooling Water Pressure                 | 0.3 MPa (3 bar)                                                    |
| Required Chiller Capacity              | 27.6 kW                                                            |
| Power Consumption                      | 40 kW                                                              |
| Supply Voltage                         | 380V (3-Phase)                                                     |
| Operating Ambient Temperature          | 0°C to +40°C                                                       |
| Overall Dimensions (L × W × H)         | 8.5 × 3 × 2.2 m                                                    |
| Machine Weight                         | 6,600 kg                                                           |
| Supported Preform Types                | Lightweight, Shortened, Standard, Thick-Walled                     |



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