ASEPTO
FRESHNESS PRESERVED
From the house of UFLEX

FLEXPRESS 10000

## KEY HIGHLIGHTS

- Servo-based drive mechanism
- Operator Friendly HMI
- Advance Integration with PLC
- Low TCO (Total Cost of Ownership)
- Quick Change Overtime
- High Flexibility all–in-one portion packs 90-200ml
- High efficiency output with minimal machine downtime
- Optimum Packaging for Dairy, Juices and Alcohol Packaging

## MACHINE SPECIFICATION

| UFLEX Aseptic Brick Pack Machine for Milk / Beverages / Alcohol / Creams in Portion Packs | | |
|---|---|---|
| **CAPACITY** | | |
| Packages per hour (depending on the Product characteristics) | | 10000 p/h |
| Fill Volumes possible with Format Parts | | 100 ml (Base) |
| | | 125 ml (Slim) |
| | | 160 ml (Slim) |
| | | 200 ml (Slim) |
| **ELECTRICAL POWER SPECIFICATION** | | |
| Supply voltage to machine | | 400/230 VAC, 3 phase +N + earth |
| Max voltage fluctuation | | ±10% |
| Frequency Hz | | 50 To be specified on order. |
| Recommended main fuse | | 125A |
| Control circuits voltage | | 24 VDC |
| **ELECTRICAL POWER CONSUMPTION** | | |
| Heat sterilization, preheating | | 32 kW |
| Heat sterilization, spraying | | 32 kW |
| Heat sterilization, drying | | 30 kW |
| Production | | 47 kW |
| **COMPRESSED AIR SPECIFICATIONS** | | |
| Supply pressure | | 600 to 700 kPa (6 to 7 bar) |
| Max particle size | | 20 µm |
| Max particle content | | 25 mg/m³ |
| Dew point | | 3°C (34.7°F) |
| Oil content | | 0.01 mg/m³ |
| **COMPRESSED AIR CONSUMPTION** | | |
| Average consumption during production | Minimum 495 Nl/min.(17.5 cu.ft/min) | Maximum 650 Nl/min. (23.0 cu.ft/min) |
| **SANITARY AIR SPECIFICATIONS** | | |
| Oil content | | none |
| Max. dew point | min. 6°C below ambient temperature. For the sterile air filter, a pressure dew point of +8°C is sufficient | |
| Solid particles | | max. size 0.01 mm |
| **WATER SPECIFICATIONS** | | |
| Supply pressure | | 300 to 450 kPa (3 to 4.5 bar) |
| Max inlet temperature range | | 14-20°C (57-68°F) |

| | | |
|---|---|---|
| **Production consumption** | | |
| Consumption | | **8.9 l/min.** |
| pH | | **5 to 8** |
| **STEAM SPECIFICATIONS** | | |
| Steam quality | | **dry saturated steam** |
| Humidity | | **max. 5% condensate** |
| pH | | **8.5-9.2** |
| Carbon dioxide | | **max. 2 ppm** |
| Chloride | | **max. 8 ppm** |
| Solid particles | | **max. 0.5 mm** |
| Turbidity | | **max. 3 ppm $KMnO_4$** |
| Minimum connection pressure | | **200 kPa (2.0 bar)** |
| Maximum pressure fluctuation | | **±30 kPa (±0.3 bar)** |
| Minimum flow | | **9.4 kg/h (See Consumption data)** |
| Inlet temperature | | **130°C(266°F)** |
| Consumption | | **2.4 kg/h(5.3 lbs/h)** |
| **HYDROGEN PEROXIDE** | | |
| Quality | | **Food grade** |
| Concentration | | **35%** |
| Consumption | | **2.0 to 2.5 l/h** |
| **PRODUCT SUPPLY PRESSURE SPECIFICATIONS** | | |
| Product Supply pressure | | **70 to 250 kPa (0.7 to 2.5 bar)** |
| Maximum variation in supply pressure | | **±50 kPa (±0.5 bar)** |
| Max pressure shocks | | **100 kPa (1 bar)** |
| Filling temperature | | **5 - 50°C (41 to 122°F)** |
| Overcapacity | | **20%** |
| Particles | | **Absent** |
| Citrus fibres | | **≤5%** |
| pH | | **2.5 to 8** |
| **NITROGEN** | | |
| Quality | Nitrogen must comply with local regulations and specifications. In the absence of local regulations and specifications follow either the European Directive 1996/77/EC or the US Code of Federal Regulations 21CFR184.1540 | |
| Supply pressure | | **600 to 700 kPa (6 to 7 bar)** |
| Consumption | | **5 to 8 Nl/min plus nominal headspace volume Nl/min** |
| **LUBRICATION** | | |
| Consumption | | **0.10 l/8h** |
| **EXTERNAL CLEANING** | | |
| Warm water supply pressure | | **300 to 450 kPa (3 to 4.5 bar)** |
| Warm water max inlet temperature | | **20 to 25°C (68 to 77°F)** |
| Warm water consumption | | **250 l/cycle (55 imp. galls/cycle) Maximum pump flow 95 l/min.** |
| Detergent pH | | **5 to 8** |
| Detergent consumption | | **1.2 l/cycle** |
| **SOUND PRESSURE LEVEL** | | |
| Declared maximum emitted sound pressure level, operator position | $L_{pA}$ | **75.5** |
| Determined according to ISO 11204 (engineering method) | | |
| Uncertainty factor | $L_{pA}$ | **2.5** |
| **SOUND POWER LEVEL** | | |
| Declared maximum emitted sound power level, operator position | $L_{wA}$ | **95.0** |
| Determined according to ISO 3744 (engineering method) | | |
| Uncertainty factor | $K_{wA}$ | **2.5** |
| **EMISSIONS AND THERMAL LOAD** | | |
| **Emissions** | | |
| Hydrogen peroxide fumes in operator´s environment | | **< 1 ppm** |
| Hydrogen peroxide outlet to drain | | **≤1%** |
| Oil fumes in the operator´s environment | | **None** |
| Oil spillage | | **None** |

| | |
|---|---|
| Detergent spillage | **None** |
| Water spillage | **None** |
| Product spillage | **None** |
| **Thermal Load** | **Approx. 19.3 kW ±1.6 kW** |
| | **(during production)** |
| **AMBIENT TEMPERATURE** | |
| Minimum ambient temperature | **5°C (41°F)** |
| Maximum ambient temperature | **50°C (122°F)** |
| Recommended ambient temperature | **15°C to 26°C** |
| **OUTFEED CONVEYOR** | |
| Recommended conveyor make/model | **See PIM Conveyors manual** |
| Recommended conveyor speed | **21 m/min.** |
| Asepto 200 S, Asepto 100 B, Asepto 160 S, Asepto 125 S | |
| **SPECIAL FEATURES** | |
| Automation & Control System | **Siemens** |
| Pneumatic Control System | **Festo/Camozzi** |
| Operating System | **Thru HMI** |
| Eye Mark Correction (Servo Based) | **Siemens** |
| Temperature Control thru Electronic System | **Siemens** |
| Display of Filling & Pack Design (for ease of correction) | **On HMI** |
| Hydraulic System & Control | **Parker** |
| **OPTIONAL ITEMS** | |
| - Special Tools for Operation & Maintenance of Machine | |
| - Leak Test System, on request | |
| - Special CIP System with Automation, on request | |
| - Designed to integrate with various types of Inkjet / Code Printers, on request | |
| - Automatic PMI & ASU | |