



## 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 Alcohol 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/m <sup>3</sup>
Dew point	3°C (34.7°F)
Oil content	0.01 mg/m <sup>3</sup>

#### COMPRESSED AIR CONSUMPTION

Average consumption during production	Minimum 495 NI/min.(17.5 cu.ft/min)	Maximum 650 NI/min. (23.0 cu.ft/min)
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#### 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)

<b>Production consumption</b>		
Consumption		8.9 l/min.
pH		5 to 8
<b>PRODUCT SUPPLY PRESSURE SPECIFICATIONS</b>		
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
<b>NITROGEN</b>		
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 NI/min plus nominal headspace volume NI/min
<b>LUBRICATION</b>		
Consumption		0.10 l/8h
<b>EXTERNAL CLEANING</b>		
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
<b>SOUND PRESSURE LEVEL</b>		
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
<b>SOUND POWER LEVEL</b>		
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
<b>EMISSIONS AND THERMAL LOAD</b>		
<b>Emissions</b>		
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
<b>Thermal Load</b>		Approx. 19.3 kW ±1.6 kW (during production)
<b>AMBIENT TEMPERATURE</b>		
Minimum ambient temperature		5°C (41°F)
Maximum ambient temperature		50°C (122°F)
Recommended ambient temperature		15°C to 26°C
<b>OUTFEED CONVEYOR</b>		
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	<b>Siemens</b>
Pneumatic Control System	<b>Festo/Camozzi</b>
Operating System	<b>Thru HMI</b>
Eye Mark Correction (Servo Based)	<b>Siemens</b>
Temperature Control thru Electronic System	<b>Siemens</b>
Display of Filling & Pack Design (for ease of correction)	<b>On HMI</b>
Hydraulic System & Control	<b>Parker</b>

## **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