

A1) SINGLE HEAD ASEPTIC FILLER 220 L BAG IN DRUM



Composed by:

- Head in stainless steel
- **Chamber kept sterile with steam.**
- Machine equipped for cap with Ø 1".
- Type of spout: thermoresistant to 100°C, pressure type.
- Cap sterilising with steam, before its opening.
- Application of the 220 kg bag on the filler vertical and not horizontal so as to respect the natural filling position of the 220 kg bag is ideal for coupling the bag with the aseptic chamber of the filler because it offers the advantage of eliminating the problems of tension the spout, and in particular in the area around the actual spout.
- Another advantage is the particularly easy and comfortable bag application by the operator, because he is never found in the drum movement area, obtaining in this way the best safety conditions, of the actual operator, related to the accident prevention norms.
- The filling comes about using a direct weight check with mass flow meter.

The supply includes:

- AISI 304 stainless steel supporting frame;
- Working platform for the operator;
- **One filling stations in stainless steel (PATENTED);**
- Push button panel start-stop command for the process operations;
- Pre-set weight indicator.
- Connection for C.I.P;
- Connection for steam;
- MASS FLOWMETER;
- Supporting frame;
- All the accessories required.



The standard working program foresees the following filling possibilities:

A. Filling of "IN LINE" drums (one after another).

B. Filling of test bags 5 KG

Other possible filling program must be studied together in order to satisfy particular needs.

A2) ASEPTIC TANK OF 400 LITRES

Totally in stainless steel AISI 304 working with nitrogen pressure with automatic control of the set pressure.

Complete with:

- Top flange;
- Washing ball;
- Safety valve;
- Group of pneumatic aseptic and no-aseptic valves;
- Connection for product inlet / outlet;
- Connection for C.I.P. steam, nitrogen;
- Supporting frame;

All the accessories required.

Technical data:

- Bag size : 220-50 l
- Capacity : 3.000 Kg/h condensate milk/creamer
6.000 Kg/h regular milk
- Compressed air at 6 bar : 6 Nm³/h
- Nitrogen or Active charcoal treated air (only at the beginning and at the end of production or after sterilization) : 3 Nm³/h
- Steam at 6 bar : 100 kg/h
- Installed power : 0,55 kW/h
- Water : 0,2 m³/h

ELECTRO-PNEUMATIC PROCESSING AND CONTROL BOARD FOR THE PLANT "COMPLETE AUTOMATIC"

Totally controlled by PLC SIEMENS S7 - 1500.

Frame in stainless steel AISI 304.

PLC Siemens which allows the automatic control of the aseptic plant during the production cycle and the aseptic filler.

It includes:

Operator interface with the following functions:

- visualisation of the process temperatures,
- electronic instrumentation and electrical relay,
- pre-setting all parameters necessary for production,
- synoptic,
- information, in case of automatic cycle interruption, about the causes of this stop.

Label printer for the personalisation of the label, with:

- customer name,
- net weight,

- type of product,
- drum progressive number.

Carpentry in stainless steel Aisi 304.

Voltage required: 400Vac 50Hz - 3Poles + ground.

Absorption of electrical switch board with all motors running, about 30 A. The electrical switch board must be protected magnetic thermal differential switch, installed in the external part of the board, coordinated with characteristics suitable for working together with inverter (B type).

Protection grade of electrical switchboard: min IP54.

Short circuit current Icc 0,9 KA.

Ventilation kit.

Electromechanical Siemens.

Auxiliary Relays Finder.

Siemens power supply.

Phoenix terminal block.

General switch Rockwell.

Selectors, indicators, buttons and lighted buttons Schneider.

Emergency control unit Pilz.

Light column Schneider.

PLC Siemens with Memory card 12 MB.

HMI Asem panel. Accessories and piping.

Ethernet cable must be supplied by client in order to connect with remote assistance.

EXCLUSIONS (unless otherwise agreed):

- **Roller conveyor for drums**
- **Crane for full drums;**
- Import duties;
- Insurance for robbery, sabotage, accidents, strikes, fire and earthquakes;
- Goods unloading and positioning;
- Lifting devices;
- Civil works, foundations, drains;
- Waste conveyors and channels;
- Electrical connections;
- Steam reducer;
- Steam and condenses piping and relative insulation from boiler to utilities;
- Cooling unit and relative piping;
- Compressed air generator and relative piping;
- Piping supports;

Raw material, energy and water required for:

- Installation,
- Testing.
- Consumable items or chemicals;
- Maintenance costs;
- Electrical power and lights for commissioning;
- Whatever else not mentioned in the offer.

