



Ultrasealer Closer

USC 300

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Overview

The GEA Avapac USC 300 is a compact sealing and closing system for use with step-top multiwall kraft bags which have a pre-applied glue strip and PE inner bag. For bags without inner liner, the USC 300 can be used as a closing system making it a flexible solution for most customer's needs.

Bags are manually presented to the sealer for semi-automatic sealing and closing operation using either foot-switch or push-button control.

Solid state control provides a reliable but flexible operation to suit a wide range of bag types. Temperature control is provided for both inner liner seal and reactivation of the pre-applied glue strip.

Height adjustment is provided to ensure safe operation and to match existing bag handling equipment.

Capacity

- up to 120 bags per hour

Air Supply

- Supply Pressure: 700 kPa (100 psi)
- Operating Pressure: 550 kPa (80 psi)
- Average Free Air: 34 l/bag (1.2 ft³/bag)
- Instant Free Air: 10 l/sec (21.2 ft³/min)

Electrical

- Single Phase: 110 V AC, 60 Hz, 12A or 230 V AC, 50 Hz, 6.5A

Materials of Construction

- Structural: Epoxy and powder coated mild steel
- Mechanical: Electroplated steel / plastics

Bag Type

- Any stepped end open mouthed multi-wall bag with pre-applied hot melt adhesive. Note: Suitable for Pillow style (tube) bags only. Seal performance of gusseted bags may be reduced depending on bag construction.

Bag Size Range

- All bag widths up to 550 mm (21 ½")
- Height adjustment range 380mm (15")

Weight

- Net: 170 kg (375 lbs)

Dimensions

- Length mm (in) = 930 (36.6)
- Height mm (in) = 1845 (72.6)
- Depth mm (in) = 865 (34)

All performance data achieved under test conditions with standard packaging materials. All specifications and dimensions subject to revision without notice.





Height Adjustment
To suit a wide variety of bag lengths

Integrated Controls
Enabling stand-alone operation

Combined Sealing and Closing
Compact operation reduces bag handling and stress on operator

Bag Support
Integrated bag table or optional conveyor integration

Footswitch Operation
Enabling safe handling and alignment of the bag

Design Objectives

- To be integrated in manual or semi-automated bag packing lines or, alternatively to work as a stand-alone unit for closing quality check bags
- Safe, reliable operation for wide range of bag types
- Height adjustable to suit existing bag packing lines
- Compliance with hygiene standards
- Ease of operation and maintenance

Features

- Rigid support frame
- Safe foot-switch or push-button control
- Height adjustment using hand-wheel
- Fits into existing conveying line
- Ergonomic design for manual bag presentation

Standards

(a) EU Directives and their harmonized standards:

- Machinery 2006/42/EC;
- "ATEX" 94/9/EC;
- Electromagnetic compatibility 2004/108/EC;
- Pressure equipment 97/23/EC;
- Hygiene EHEDG Guidelines; and compliance with 1935/2004/EC

(b) US standards covering:

- Hygiene USDA Guidelines; FDA Codes of Federal Regulations - (CFR series 21)
- Machine Safety OSHA 1910 Subparts O&S; ANSI B11.19; ANSI/PMMA B155.1; NFPA 70 & 79; ANSI/ISA 12.10.05

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