



Bioscience, Inc.

Environmental Products and Services

ISO 9001:2008 Certified

Ampulmatic® 10 Ampule Purging, Filling and Sealing System



Proven reliability and easy adjustment with filling (inert gases and/or liquids) and sealing capabilities have made the Bioscience Inc.'s Ampulmatic 10 Ampule Filling and Sealing System the ideal choice for a wide variety of sealing applications.

Base Unit

Speed up your ampule filling and sealing with the easy-to use, maintain and adjust Ampulmatic® 10 Ampule Filling and Sealing System. It speeds and automates the filling (inert gases or liquids) and flame sealing of ampules at the lab bench scale. The base unit automatically indexes each ampule positioned on a carousel into a propane and oxygen flame and then spins the ampule creating a hemispherical seal on every ampule. The ampule dwell time can be changed with a turn of a dial and the flame adjusted for a quick initial setup or for a quick change to a different ampule size/configuration. The base unit is designed with quick, easy internal access for maintenance and adjustment.

Plug-in Filling Units

The Purge Gas Injector automatically fills each ampule with an inert purge gas (to minimize the oxygen concentration in the ampule head space and thus minimize sample deterioration over time). In lab simulations starting with empty ampules the residual oxygen concentration after purging can be reduced to as low as 1%. The Liquid Filler fills each ampule with a precisely measured quantity of liquid from 1 to 50 ml. The flexible design allows for a wide range of filling and sealing operations. The Liquid Filler runs off of the Purge Gas Injector Unit.



Features

- Fully Automatic Operation
- Flame Seals up to 20 Ampules in 2 Minutes
- Uses Natural Gas, MAPP or Propane and Technical Grade Oxygen at 10 to 20 psi
- Carousel Racks Available for 1, 2, 5, 10, 20 and 50 ml Sizes. Custom Available.
- Liquid Filler available
- Purge Gas Injector available
- Supply Voltage: 100 to 240 VAC

Applications

- Analytical Standards Packaging
- Production & Quality Control
- Samples Packaging
- Battery Electrolyte Packaging
- Chemical Production QC Sampling
- Sera/Vaccines/Injectables Packaging
- Pharmaceutical Products & Controls
- Food Quality Control Sampling
- Beverage Quality Control Sampling

Specifications

- Dimensions
 - Base Unit 8½"W x 12"H x 17"D (21.6 cm W X 30.5 cm H X 43.2 cm D)
 - Purge Gas Injector 6"W x 16"H x 8"D (15.2 cm W X 40.6 cm H X 20.3 cm D)
 - Liquid Filler 8"W x 16"H x 8"D (20.3 cm W X 40.6 cm H X 20.3 cm D)
- Materials of Construction (For corrosives special materials on request)
 - Outside Body Powder Coated Aluminum
 - Carousel Chemical-Resistant Polycarbonate and Anodized Aluminum
 - Burner Tip Copper
- Electrical Class All electrical parts are UL listed/approved. 12 VDC Internal Volt
- Power Consumption 100 Watts
- Supply Voltage 100 to 240 VAC; 47 to 63 Hz
- Suggested Maintenance General cleaning after use is recommended.
- Shipping Weights
 - Base Unit 20 lbs./9.09 kg
 - Purge Gas Injector 10 lbs./4.54 kg
 - Liquid Filler 12 lbs./5.45 kg (preliminary)

Spare Parts

Catalog #	Description	Recommended Number
270-006	Ampulmatic Drive Belt	6
270-006	Ampulmatic Drive Belt (heavy use)	12
210-014	Ampulmatic Torch Tip	1

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