



Bioscience, Inc.

Environmental Products & Services

ISO 9001:2015 Certified

Ampulmatic®-10 Ampule Sealer

With Purge Gas Injector and Liquid Filler Accessories

Description and Specifications

Description

This equipment speeds and automates the flame sealing of ampules at the lab bench. 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. The ampule dwell time (time in the flame) can be adjusted by the turn of a dial. The flame temperature is adjusted for quick initial setup or for a quick change to a different ampule size or configuration. The base unit is designed for easy internal access for any maintenance that may be required.

Accessories

The plug-compatible Purge Gas Injector accessory automatically purges the headspace of each ampule with an inert gas before and/or after filling. The residual oxygen concentration after purging can be reduced to as low as 1%.

The plug-compatible Liquid Filler accessory fills each ampule with a precisely measured quantity of liquid ranging from 0.1 to 20 ml. The Liquid Filler operates in conjunction with the Purge Gas Injector Unit so that the carousel carrying the ampules cannot rotate while the injector head(s) are down inside the ampules and liquids cannot be dispensed if an ampule is not in position.

The instrument shall seal up to 900 ampules per hour using natural gas, MAPP or propane along with technical grade oxygen gas to fuel the burner. Carousels shall automatically carry the ampules to and hold the ampules in the burner flame while the instrument rotates the ampule in the flame. Carousels shall be sized to carry ampules (Wheaton Type) of 1, 2, 5, 10, 20 and 50 ml size. General maintenance and belt replacement shall be simple and not require the disassembly of the unit. Operation shall be either 110 volt or 220 volt.

The materials of construction shall be:

Outside Body	Powder Coated Aluminum
Carousel	Chemical-Resistant Polycarbonate and Anodized Aluminum
Burner Tip	Copper
Fluid Path	Construction Glass, PTFE, 316ss

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