

HS1 HAND SEALING MACHINE

Features

Cozzoli's HS1 Hand Sealer is the perfect addition to any lab environment. This machine will tip or pull seal your ampules, then flame polish the seal.

To tip seal, the ampules or tubes are placed on the motor driven rollers and rotated in front of an adjustable flame burner. When the operator observes a complete seal, the ampule or tube is removed,

To pull seal, the same procedure applies – except when the glass has reached a semi-plastic consistency, the rotation of the ampule is momentarily stopped and with a pair of forceps the operator removes the waste glass. The ampule is then permitted to rotate a few more turns to flame polish the seal.

Operating Principle

The filled, unsealed glassware is placed on a shelf and directed onto a motor-driven rotating roller, causing the ampule or tube to spin in front of a burner head.

The gases are employed usually oxygen blended with combustible gas (propane, city gas or acetylene) then fed through a venture mixer from your source tanks. Once the blended gases are ignited, the operator adjusts the flame to its peak effectiveness and directs it at the desired point of seal/

When cooling the product, the sealed glass container is removed from the roller section and placed on the convenient cooling shelf.

The Cozzoli HS1 Ampule Sealer is ideal for lab or small scale production facilities in the Pharmaceutical, Biotechnology and Animal Health industries.



HS1 Ampule Hand Sealer with extended shelf shown.

The HS1 seals ampules and tubes ranging in size from 1 ml through 20 ml, with sealing heights from 1 ¼" to 6" (31.75mm to 152mm)

Adapter sets are available for larger capacity ampules and tubes.

System Description

Machine can be configured for either glass ampules or straight-walled (suture) tubes.

Glass ampule construction includes ampule rollers and burner head assembly with burner tip.

Suture tube construction and 100ml ampule configuration includes extended rollers and cross fire burner.

Cast aluminum & stainless steel construction

Brass burner fittings

Utilities are 115V/60Hz/1Ph

Maintenance and operation manual included.



Optional Accessories

- Extended stainless steel support shelf
- Bell top removal tool
- Spare parts kit
- International tool kit
- IQ/OQ validation protocol
- Factory Acceptance protocol
- PQ validation protocol

Cozzoli Machine Company is an international leader in the design, manufacture distribution and service of precision cleaning, filling and closing systems in stand-alone or monoblock format. Since 1919 our company has been service the pharmaceutical, biotechnology, diagnostic, cosmetic and chemical industries.