



HS1 – AMPOULE SEALING MACHINE

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

To tip seal, the ampoules 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 ampoule 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 ampoule 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 ampoule 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 Ampoule Sealer is ideal for lab or small scale production facilities in the Pharmaceutical, Biotechnology and Animal Health industries.



The HS1 seals ampoules and tubes ranging in size from 1 ml through 20 ml, with sealing heights from 1 1/4" to 6" (31.75mm to 152mm). Each machine can be configured for either glass ampoules or straight-walled (suture) tubes.

FEATURES

- Glass ampoule construction includes ampoule rollers and burner head assembly with burner tip.
- Suture tube construction and 100ml ampoule 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