



SEBRA® Model 5160

Creates Seals On Tubes Up To 1.0" Inner Diameter



The SEBRA® 5160 bio sealer is the only available aseptic disconnect device, specifically designed to meet the needs of biopharmaceutical manufacturers to produce leak-proof permanent seals on large-diameter TPE tubing (up to 1" Inner Diameter). Intuitive by design, this bio sealer allows for manufacturers to scale up processes using larger tubing for increased flow rates, eliminating the need of adding reduction fittings and smaller tubing on transfer lines. It incorporates portability, and features easy-reach hanging storage, and creates uniform seals within minutes.



FEATURES

- Creates Seals On Tubes Up To 1.0" Inner Diameter.
- Intuitive Color Touchscreen Interface.
- Validated Recipes for multiple TPE tubing brands and sizes.
- Creates Wide Seals with Distinct Visual Cut Line.
- User Adjustable for unique application requirements.
- Two options of cable lengths allowing for optimized ergonomic portable sealing head.
- Safety interlock and shielding protect users from radiating heat exposure.
- Tube Positioning guides precisely and securely create repeatable, uniform seals.
- Supported by our global service team offering training, IQ/OQ packages, service contracts, calibration kits, and field support as desired.



VALIDATED SETTINGS ENSURE PRECISION SEALS

The device is delivered ready use and equipped with validated recipes tailored for an extensive array of popular TPE tubing brands, encompassing but not restricted to C-Flex®, AdvantaFlex®, CellGyn®, and Flexelene™. It accommodates tubing sizes of up to 1" inner diameter and is compatible with various tubing states including natural, gamma irradiated, and autoclaved, whether filled, wet, or dry.

SEAL WITH CONFIDENCE, RANGE AND PRECISION

Distinguished for its ability to seal tubes up to 1.0" Inner Diameter, the 5160 bio sealer utilizes tube positioning guides sized for each size of tubing allowing the user to create repeatable, uniform seals precisely and securely. The device produces extra-wide seals offering a visual cut line, mitigating contamination risks linked to cutting for disconnection. This ensures superior seal quality and maintains sterility at an optimal level.

LIGHTWEIGHT, PORTABLE AND COMPLIANT SEALING HEAD

Connected to the 5160 controller via an up to 3m cable, the portable 5163 sealing head and optional hanging feature allows for ease of use in constrained environments. The convenient remote cycle start button provides increased productivity and process repeatability. The 5160 bio sealer is regulatory compliant, fully safety tested, CE Marked and TÜV certified.



PERFORMANCE FACTORS

| | CONT5160 | SEAL5163 |
|-------------------------------|---|----------|
| User Interface | Touchscreen HMI | |
| Tube Sizes | 0.750" ID x 1.000" OD x 0.125" Wall 0.750" ID x 1.125" OD x 0.188" Wall 0.750" ID x 1.250" OD x 0.250" Wall 1.000" ID x 1.375" OD x 0.188" Wall 1.000" ID x 1.500" OD x 0.250" Wall | |
| Tubing Materials | C-Flex® 374, 082, 072, AdvantaFlex®, CellGyn®, Flexelene™ | |
| Approximate Cycle Time | 5 to 8 mins | |
| Certifications | CE Marked and TÜV certified | |
| NRTL | cTUVs | |

MECHANICAL SPECIFICATIONS

| | CONT5160 | SEAL5163 |
|-----------------------------------|--|--------------------------------------|
| Dimensions | 9" x 16.5" x 6" (22.5cm x 41cm x 15cm) | 13" x 5.5" x 9" (50 x 28 x 27 cm) |
| Operating Weight | 14 lbs. (6.35kg) | 13 lbs. (5.9 kg) |
| Compressed Air Requirement | 90-100psi (6.2 – 6.9 bar) 5scfm, dry, filt | |

ELECTRICAL SPECIFICATIONS

| | CONT5160 | SEAL5163 |
|-------------------------|--|----------|
| Power Connection | 115 VAC, 6.3A, 50/60Hz 230 VAC, 4A, 50/60Hz | N/A |
| Main Fuses | 4A (120 VAC Units) 2A (230 VAC Units) | N/A |

OPERATING CONDITIONS

| | CONT5160 | SEAL5163 |
|---------------------------------|----------------------------------|----------|
| Temperature | 15° to 35° C | |
| Placement | Indoor / Lab Use | |
| Humidity | 70% Max Humidity, Non-Condensing | |
| Clean Room Compatibility | ISO 7, Class 10,000, Grade C | |

* Inquire for additional tubing materials and sizes

