

MEDICAL SEALERS



STERILE PACKAGING IN THE MEDICAL INDUSTRY

Healthcare is one of the most important fundamentals in our life; mankind is spending lots of money on a healthy lifestyle, health insurances and new developments. And simply because good health is unaffordable. Over the last years, different standards have been developed in this sector to ensure that the best available techniques are used on a high level when our health is involved.

The **EN 868** is the most well known standard when it comes to sterile packaging. All packaging materials and systems must comply with the restrictions given in Part 1. Part 2-10 relate to the requirements and test procedures for different packaging materials. These tests can be used to show that all requirements have been fulfilled.

The **ISO 11607** standard; "Packaging for end-sterilized medical products" has already been used (first as a draft) for several years at an international level.

The ISO committee decided in 2002 to combine both the EN 868 - 1 and ISO 11607 in one new revision; this leads to the joint revision ISO 11607 part 1 and 2. Part 1 is about the requirements and test procedures for packaging materials, part 2 about the validation requirements of packaging processes.

According to this new standard, all packaging processes must be able to be validated. Validation requires reproducible processes. As it comes to the sealing of the bags, the Audion sealers are very easy to validate; they operate automatic and can therefore reproduce the same seal every time. The parameter controllers on these validatable sealers constantly monitor all critical parameters and block the machine when they are out of the acceptable band width.

To guarantee the accordance with the machine specifications, our calibration service can be used; the sealer parameters are measured in an official laboratory. We supply an accredited calibration certificate to prove the accuracy of the sealer.

This makes the Audion validatable medical sealers an important tool in your packaging process!

CONTIMED® D665 MD

This sealer can be used for closing different types of non transparent sterilization bags. The following materials / laminates can be used: Paper/PE, Paper/PP, AL/PE and Tyvec. The machine only seals when the temperature is within the limits of the set temperature to guarantee a perfect seal quality. The rotary sealers are used for medium to large production quantities.

Features AUDION CONTIMED D665 MD

- Stainless steel (AISI 304) top cover plate (epoxy coated base)
- Standby function by optical sensor to save energy
- Temperature adjustable from 50 – 200 °C through micro processor
- Adjustable alarm band on sealing temperature, if the temperature is out of range the machine will stop
- 12 mm seal width (multi line seal)
- Self adjusting pressure wheel adapts to different pouch thicknesses
- Resettable batch counter
- Fixed sealing speed: 10m / min
- Adjustable infeed guide
- CE certified
- 2 lines LC display (8 characters per line)

Machine Specifications

- Temperature controller accuracy +/- 1%
- Net weight: 15,5 kg
- Machine dimensions: 550x270x220 mm
- Voltage: 230 V - 1 Ph - 50 Hz

Options

- Stainless steel support table / stainless steel slip roller conveyer



D665 MD



display D665 MD

CONTIMED® D665 MP

The D665 MP is the latest generation of medical rotary sealers for sealing and coding medical sterilization pouches. This sealer is developed to seal pouches according to DIN 58953 Part 7 and is suitable for packing sterilized products according to ISO 11607 and EN 868. Using a multi-line seal, self correcting seal pressure and an in-feed speed of 10m/min., the D665 MP can be used for closing paper/polypropylene or Tyvec pouches. The built-in matrix printer can be used to print: date, operator name, serial number and codes, directly on the pouches according to the most recent tracking standards (EN 980 symbols).

Features AUDION CONTIMED D665 MP

- Stainless steel (AISI 304) top cover plate (epoxy coated base)
- LCD display for parameter settings / programming
- Energy saving standby function; machine starts through optical sensor
- Digital microprocessor controlled temperature setting
- Sealing temperature: 50°C - 200°C
- Automatic in-feed block when temperature changes more than +/- 5°C
- 12 mm seal width (multi line seal)
- Self adjusting pressure wheel adapts to different pouch thicknesses
- Fixed sealing speed: 10m / min
- Internal 9 dots matrix printer
- Printed symbols according to the EN980 standard
- Production date, expiry date, operator name, batch number, batch counter print functions
- Possibility to save data settings
- Internal clock / calendar function
- Adjustable infeed guide
- CE certified
- Safety thermostat

Available Options

- Stainless steel support table / stainless steel slip roller conveyor

Machine Specifications

- Voltage: 230 V (+/-10%) - 1 Ph - 50/60 Hz (115V - 50/60 Hz upon request)
- Temperature controller accuracy +/- 1%
- Dimensions (lxwxh): 560x259x220 mm
- Weight: 16 kg



D665 MP

CONTIMED® D666 MPC/MPCV

The D666 MPC/ MPCV are our advanced medical rotary sealers for sealing and coding medical sterilization pouches. These sealers are developed to seal pouches according to DIN 58953 Part 7 and are suitable for packing sterilized products according to ISO 11607 and EN 868. Using a multi-line seal, self correcting seal pressure and an in-feed speed of 10m/min., the D666 MPC/ MPCV can be used for closing paper/ polypropylene or Tyvec pouches. The built-in matrix printer can be used to print: date, operator name, serial number and codes, directly on the pouches according to the most recent tracking standards (EN 980 symbols). The D666MPC can be programmed through the keypad, but can also be connected to a PC/network to be programmed. The validatable version; D666 MPCV can be used for validatable processes through constant monitoring of all seal parameters and alarm / block functions when a parameter is out of range.

Features AUDION CONTIMED D666 MPC/MPCV

- Stainless steel (AISI 304) top cover plate (epoxy coated base)
- 4 lines LCD display for parameter settings / programming
- Energy saving standby function; machine starts through optical sensor
- Digital microprocessor controlled temperature setting / data input / storage
- Sealing temperature: 50°C - 210°C
- Automatic in-feed block when temperature changes more than +/- 5°C
- 15 mm seal width (multi line seal)
- Self adjusting pressure wheel adapts to different pouch thicknesses
- Fixed sealing speed: 10m / min
- Internal 9 dots matrix printer
- Printed symbols according to the EN980 standard
- Production date, different expiry periods, operator names, batch numbers, different counter functions programmable
- Possibility to save data settings
- Internal clock / calendar function
- Adjustable infeed guide
- CE certified
- Safety thermostat

Extra Features D666 MPCV

- Automatic in-feed block when speed changes more than +5% or -9% (only at MPCV version)
- Automatic in-feed block when pressure changes more than +2 kg or -1 kg (only at MPCV version)

Available Options

- Stainless steel support table
- Stainless steel slip roller conveyer
- Bar code scanner + PC software to enter parameter settings
- Label printer (can also print bar codes)

Machine Specifications

- Voltage: 230 V (+/-10%) - 1 Ph - 50/60 Hz (others upon request)
- Temperature controller accuracy +/- 1%
- Dimensions (lxwxh): 650x280x240 mm
- Weight: 23 kg



D666 MPCV + slip roller conveyor + label printer

MEDSEAL® MSI

Audion Elektro MEDSEAL® Impulse sealing machines for sterilization pouches (PE, PP/Paper, Paper/Paper). Sealing in accordance with the EN 868-1, the DIN 58953 part 7 and ISO 11607 standards. Stainless steel cover (AISI 304). The MEDSEAL® MSI is available in two different machine sizes; the 460 MSI and the 611 MSI.

The MEDSEAL® series is designed for medical device & disposable manufacturers, medical packaging companies,

sterilization service providers, public and private hospitals, dentists, all kinds of laboratories and pharmaceutical industries where precision and safety are of great importance.



MSI

Specifications	460 MSI	611 MSI	460 MSID	611 MSID	460 MSIDV	611 MSIDV
Bi active seal bars	•	•	•	•	•	•
Seal length	460 mm	610 mm	460 mm	610 mm	460 mm	610 mm
Seal width	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm
Seal time and cool time electronically controlled	•	•				
Single magnet closing; automatic pressure division on pouch	•	•				
Digital accurate seal temperature and time controller			•	•	•	•
Digital accurate cool temperature/time controller			•	•	•	•
Alarm function on temperature (tolerance +/- 5°C)			•	•	•	•
4 lines LCD; 3 languages menu (English-German-Italian)			•	•	•	•
RS232 communication port					•	•
Digital pressure measuring with alarm function					•	•

MEDSEAL® DIGITAL

The Medsealers are also available in a digital version as MSID and as digital validatable version MSIDV.



Panel MSID



MSID

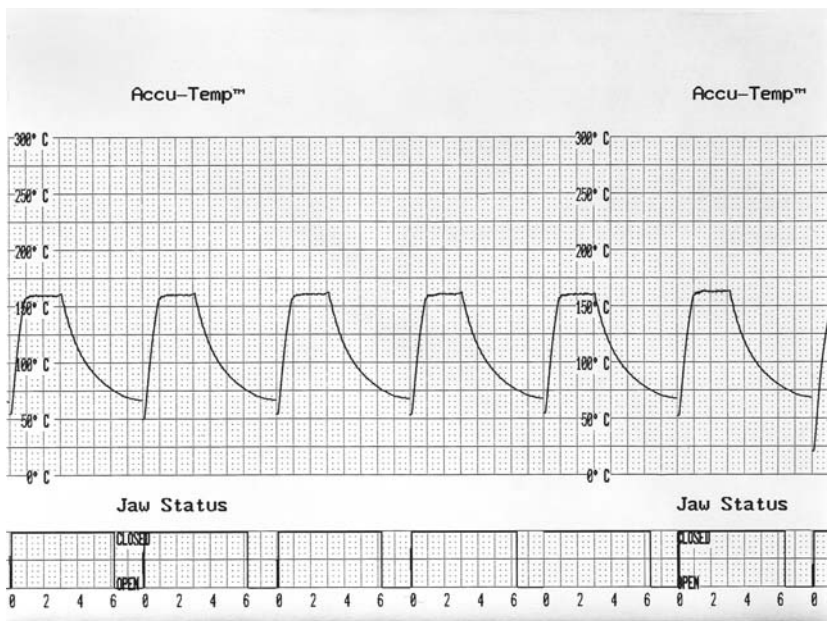
Technical data	460 MSI	460 MSID	460 MSIDV	611 MSI	611 MSID	611 MSIDV
Power supply	230V-1Ph-50/60 Hz	230V-1Ph-50/60 Hz	230V-1Ph-50/60 Hz	230V-1Ph-50/60 Hz	230V-1Ph-50/60 Hz	230V-1Ph-50/60 Hz
Absorption max.	1700 W	2100 W	2100 W	2000 W	2500 W	2500 W
Dimensions (LxWxH)	560x360x230 mm	560x360x230 mm	560x360x230 mm	710x360x230 mm	710x360x230 mm	710x360x230 mm
Weight	30 kg	31 kg	31 kg	37 kg	37 kg	37 kg
Built in accordance with	37/98/CE; 89/336/CEE; 73/23/CEE	37/98/CE; 89/336/CEE; 73/23/CEE	37/98/CE; 89/336/CEE; 73/23/CEE	37/98/CE; 89/336/CEE; 73/23/CEE	37/98/CE; 89/336/CEE; 73/23/CEE	37/98/CE; 89/336/CEE; 73/23/CEE

Options

- Foot pedal (# 140-90068)
- Stainless steel work table
 (# OT 460 MSI S) /
 (# OT 611 MSI S)
- Roll dispenser (# RLW D 66 M)
- Data logger (thermal printer)
 (#PR MSIV)
- Management software (# SW MSID)
- K Probe for calibration (# TS MSI)
- The Medsealers (MSI, MSID, MSIDV) are also available as MSIK models; with cutting device and a roll dispenser
- 460 MSIK: maximum film reel/ cutting length is 370 mm (weight: 33 kg)
- 611 MSIK: maximum film reel/ cutting length is 500 mm (weight: 40 kg)



RLW D66 M



Example print from datalogger