



# F220 PROTEC<sup>®</sup>

Perfection Into Every Detail

**Intended Purpose for use:**

This heat sealer is especially designed for the heat sealing of sterilization packaging material used to protect instruments.

The Famos rotary heat sealer is suitable for sealing the following sterilization materials:

- Laminate packing material
- Paper packing material suitable for heat sealing
- Tyvek® packing material (if sealer is manufactured as a Tyvek sealer)

**Product Features:**

Rotary heat sealers / PROTEC F 220 – Series

The F220 PROTEC series represent the most extensive sealers of the Famos sealer range. This series consists of two models: The F220DEP-P/USB and F220DBC-P/USB PROTEC. Both models are equipped with parameter control which makes the sealers DIN ISO 11607-2 compliant. As a result, the parameters temperature, speed and pressure are constantly being checked with each seal. If one of these parameters is incorrect, the machine will stop sealing and will notify the user by a warning message and a sound alarm. Together with the machines a software program is being supplied which is to be installed on a pc. Through this software program one can monitor the parameters real time on a computer and store the files for archiving. All models of the F220 PROTEC series have an automatic transport start, reverse transport feature and production counter with alarm. An internal printer is integrated in this series as well. The F220DEP-P/USB can print the packing date, expiry date, a code and one line of text which can consist of up to 30 characters. The F220DBC-P/USB PROTEC can also print this data, but in addition it can print an additional line of text or a barcode. The F220DBC-P/USB can be connected to an instrument tracking system which generates various data such as a barcode. Please consult Famos for further information.

Both F220 PROTEC models have the following extra features:

- Storage of 3.000 texts with 30 characters each.
- Connection for external label printer to print various data on labels.
- Connection to a pc to program texts. Software and cable included in delivery.
- USB connection to connect a USB drive to upload the texts that have been programmed on a pc. In addition, when a USB drive is connected to the sealer, a log will be made of the parameters of each seal.

An Ethernet connection is available as an option for both models.

The F220 PROTEC series is the only series of the Famos range that is equipped with a large graphical LCD-display. The F220 PROTEC models are also the only Famos sealers that have password protection, changeable printing sequence, programming of 4 expiry dates and programming / saving of up to 3.000 texts.

All sealers are available with a grooved pressure roller (rib seal) for laminated or paper pouches or a pressure roller without grooves (flat seal) which is especially suitable to seal Tyvek packaging material.

### **Technical Specifications:**

- Temperature range: 50 - 199 °C
- Running speed: 8.5 m/min ± 5%
- Seal seam width: 15mm (Grooved seal), 12mm (Flat seal)
- Sealing force: 100 ± 5% Newton
- Power consumption: max. 365 W, average 70 W
- Main voltage: 220/240VAC 50/60Hz, 100/120 VAC 60Hz
- Dimensions: 527x314x162 mm
- Weight: 15.4 Kg

### **Maintenance:**

#### **Routine maintenance**

There is no need for routine maintenance other than regularly cleaning the ventilator on the bottom of the machine. This will prevent dust from clogging the grills of the finger protector, which would result in insufficient cooling.

#### **Preventive maintenance**

The Famos Heat Sealers are subject to preventive maintenance twice a year. In some countries a higher rate of preventive maintenance is required by guidelines of the local Central Sterilization Organization. Please check whether this is applicable to your area.

In order to guarantee an optimal functioning of the heat sealer and in order to prevent corrective maintenance, we advise to have the machine checked and cleaned at least twice a year. During this inspection the following parts are checked on wear and tear and if necessary replaced.

- Transport belts
- Printer pressure roller
- Teflon strip on heating elements
- Teflon strip on guiding bars
- Time belt pulley
- Ink ribbon cassette

## **Safety precautions**

### **Not to open**



The heat sealer should not be opened by unauthorized staff to avoid any injuries caused by electric shock or by the transport mechanism.

Always turn the machine off first and unplug the cable before replacing the ink ribbon cassette.

**Guarantee and warranty will become void as soon as the heat sealer has been opened by unauthorized staff without prior written permission by Famos bv.**

### **Ventilator**



Obstructing the ventilator at the bottom of the heat sealer could cause overheating to the electronic components within the heat sealer. This could cause serious damage to the heat sealer. Please check the cleanliness of the finger protector grill of this ventilator regularly, to avoid clogging which will cause improper cooling. Cleaning the grill should be done with the power supply socket disconnected from the heat sealer.

### **Automatic feed-in**



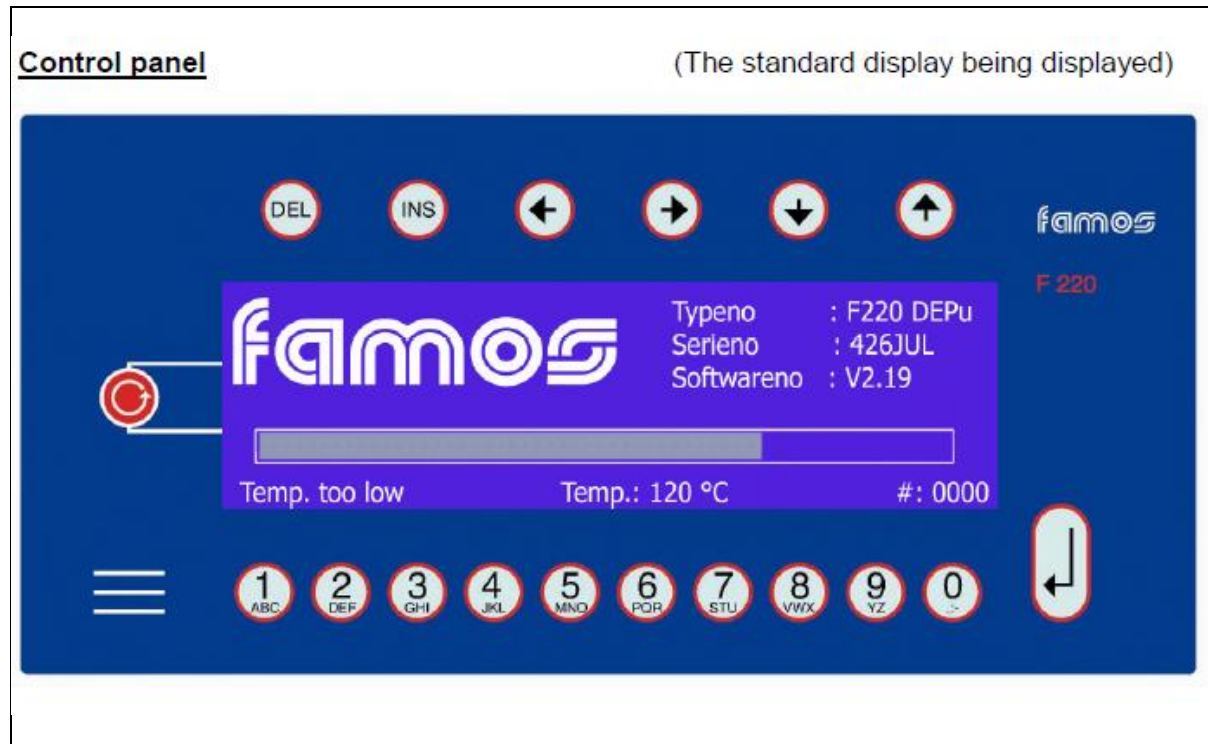
Although the automatic packaging feed-in of the heat sealer is protected, one should prevent small articles (like small tips of instruments) from being fed in together with the packaging. These objects may cause internal damage to the transportation mechanism as well as to your instruments. Never put objects other than packaging material into the heat sealer.

### **Power supply**










The only power supply cable which may be used to connect your heat sealer to the power supply socket is the one which is supplied together with the machine. Other power supply cables shall not be used.

**Additional Information:**



Keys

	Delete key	used to delete text In order to delete more than one character, you will need to press on the key until the characters have been deleted.
	Insert key	Insert text or create spacing In order to insert more than one character, you will need to press on the key until the requested number of positions has been added.
	Navigation key	Moving the cursor in the direction of the arrow. By keeping the navigation keys pressed, the cursor will move more than one position.
	Reverse transport key	Transporting the packaging to the left
	Alpha-numeric keyboard	0...9, A...Z,
	Counter reset key	Resetting the production counter to zero (keeping the button pressed for 2 seconds)
	Enter key	Store data / Display previous or next menu.