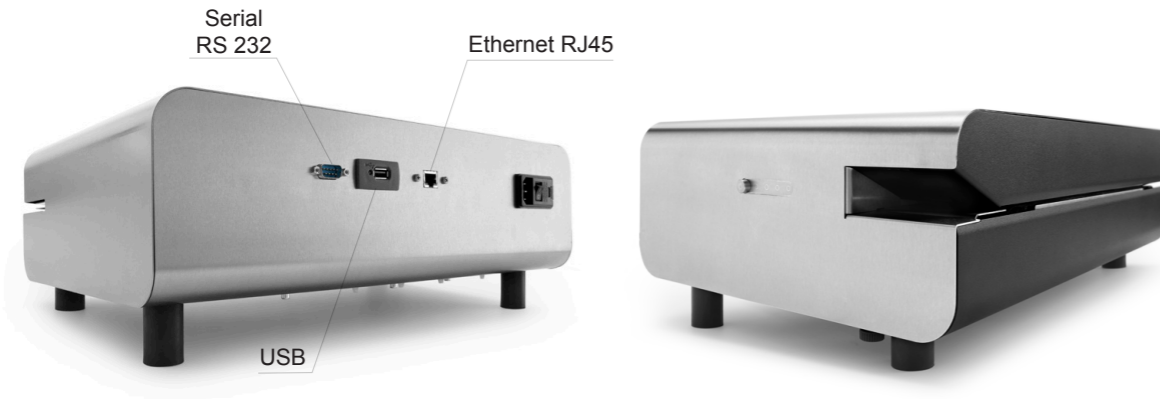
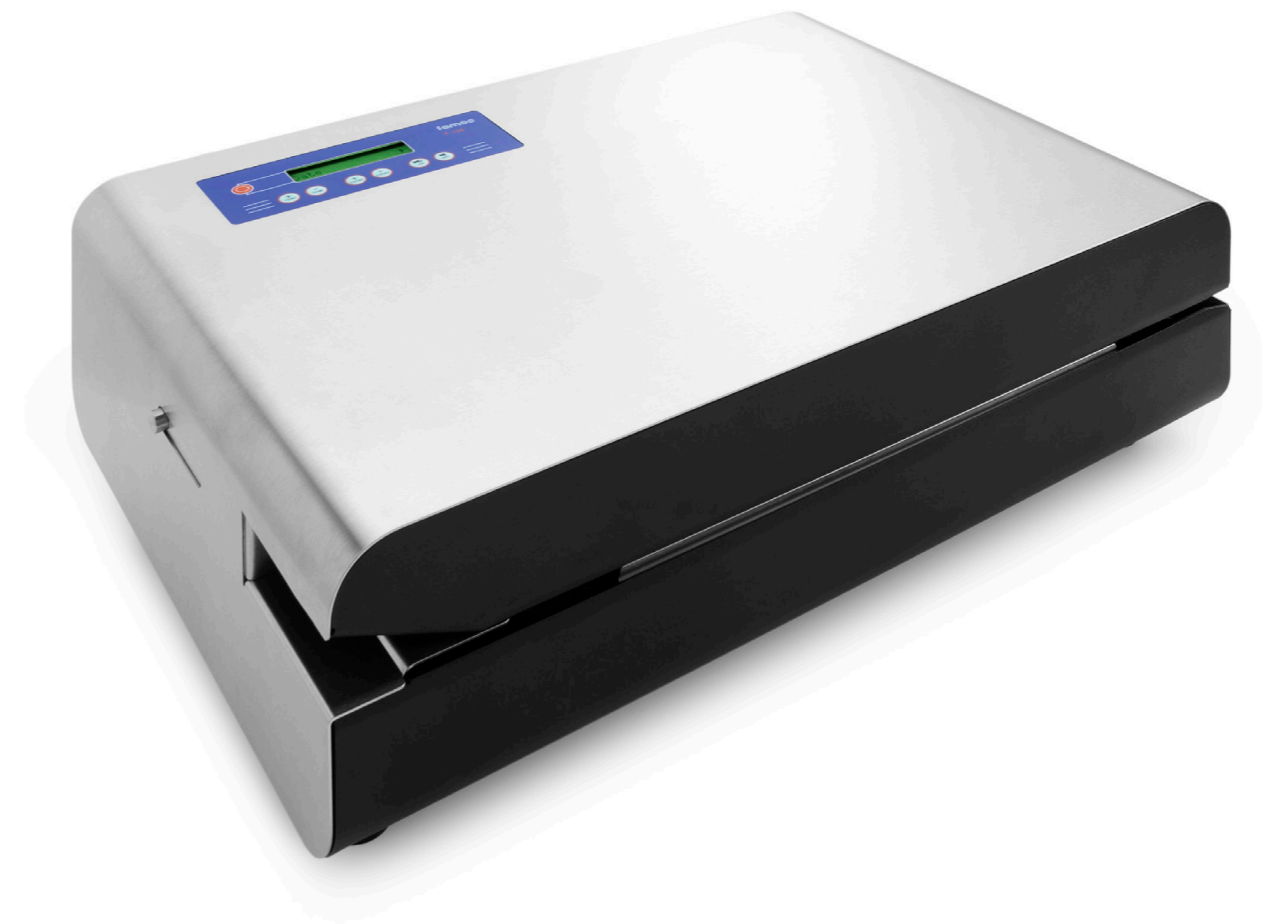


## New Rotary Heat Sealers F108 series



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# F108PROTEC<sup>®</sup>

Perfection Into Every Detail

Completely made of AISI 304 stainless steel | Hygienic and innovative design | Validatable process according to ISO 11607-2 | Parameter controlled and equipped with USB port | View and monitor parameters real time on pc and display | Ethernet connection to monitor multiple heat sealers | TÜV tested and CE-certified | comply to DIN 58953-7:2010 and EN 868-5 | Low energy consumption | Low noise level |

General

All hospitals and the medical industry are constantly striving for perfection in sterility. An important aspect in this matter is the sterilisation of instruments and other necessities. However, sterilisation alone is not enough; maintaining this sterility for a fixed period of time after the sterilisation process is at least as important. In order to assure that the sterility is maintained for a long period of time it is crucial that the packaging is perfectly sealed. That's where Famos comes in.

Famos BV was founded in 1946 in the Netherlands and over the years this family-owned company has gained a lot of experience and an excellent reputation within the medical field due to the reliability and flexibility of its products as well as its customer-oriented approach. Its extensive experience allows Famos to develop the most sophisticated and reliable heat sealing machines available within the medical and pharmaceutical markets.

Famos is a pioneer in the medical field with leading inventions to increase the technical benefits of its heat sealers and to provide the best machines that are currently available. During the years breaking edge technologies like microprocessor controlled machines, built-in printers and parameter controls to guarantee a perfect seal are innovations that have been brought onto the medical market by Famos. All these features have been developed to provide the best seal time after time. Each Famos heat sealer is both internally and externally made of stainless steel, which reduces maintenance to a minimum and offers the best solution as far as hygiene is concerned. Due to the use of special brass heating bars the heat is being retained well and is being transferred onto the packaging very efficiently. This results into a very low energy consumption.

Nowadays, Famos offers an extensive range of heat sealers, which includes some very basic models which are being used in small clinics, dental practices and many others. The core business however consists of more distinguished rotary sealers which are used within universities and general hospitals as well as the pharmaceutical industries.

Today, over 50.000 heat sealers of the Famos brand are being used world-wide and Famos commits itself to a long-term business relationship with its appointed distributors who have an extensive knowledge of the Famos heat sealing equipment. Needless to say that the Famos sealers comply to the highest standards and guidelines. They are manufactured from the best materials available to guarantee the sterility of your sterilized instruments and to protect them by a perfect seal time after time, year after year.

As we believe strongly in the quality of our heat sealing machines Famos gives a warranty of two years on all of its heat sealing equipment, with exception of the motors and the fans. On these parts there is a warranty period of five years.

F108 PROTEC series

Not only it is very important to Famos to meet the needs of its customers but it is also crucial to look ahead. Therefore, Famos has completely redesigned its heat sealers which has resulted into the PROTEC sealers. PROTEC has been derived from the word "protect" and symbolizes the high level of protection that is created by the seal made with the PROTEC sealers. PROTEC also stands for the progression that has been made technically by using state of the art components. The PROTEC machines have been redesigned completely with an innovative design while remaining the same reliability and high quality as always.

According to ISO 11607-2 the sealing process needs to be validated. For this purpose Famos has implemented parameter control in the top model of the PROTEC series which is a unique feature which entails the constant monitoring of the three seal parameters temperature, speed and force. These parameters are being checked with every single seal and in case one of these parameters is incorrect, the machine will give the operator a warning and stops sealing. An external software program is available which allows the user to view and monitor the parameters real time on a pc. The data will be stored so the user can always look back at previously made seals.

When a USB drive is being connected to the USB module, a log will be made of the parameters of each seal. This log file can be read out on a pc and can be imported into the external parameter monitoring program which is supplied by Famos.

The Ethernet connection allows the user to connect multiple sealers into a network environment and monitor the parameters on a central place.

The F108 PROTEC series represents the basic models within the Famos sealer range, but at the same time they are the most sophisticated models of their kind around the world. Each model has an accurate sealing temperature setting which can be set by a keyboard and which is being displayed on a LCD display with a good visual read out.

The F108 PROTEC series consists of 3 models: F108, F108TX and F108TX-P. The F108 is the most basic model. The F108TX and F108TX-P are equipped with an automatic transport start, a reverse transportation feature and a production counter with alarm. The F108TX-P is equipped with parameter control, and a USB module. An ethernet connection is available as an option. Furthermore, all models are equipped with a RS232 port to update the machines with the newest software releases. In case of the F108TX-P the RS232 can also be used to connect the sealer to a pc to read-out parameters with the external software program.

F108 PROTEC  
F108TX PROTEC  
F108TX-P PROTEC

General specifications

	F108 PROTEC	F108TX PROTEC	F108TX-P PROTEC
Rotary heat sealer	•	•	•
Version available with rib seal 30.100.____*	550	554	558
Version available with flat seal 30.100.____*	551	555	559
Completely made of stainless steel	•	•	•
110/ 120 VAC, Mains voltage 50/60 Hz	•	•	•
220/240 VAC, Mains voltage, 50/60 Hz	•	•	•
Microprocessor controlled	•	•	•
Digital menu operation	•	•	•
Serial communication port RS232	•	•	•
USB port			•
Keyboard control	•	•	•
Intake protection	•	•	•
Retention of data	•	•	•
Number of lines in display	2	2	2
Seal width in mm (rib seal)	15	15	15
Seal width in mm (flat seal)	12	12	12
Seal length in mm	1->	1->	1->
Distance to medical product conform DIN58953-7	•	•	•
Self adjusting pressure	•	•	•
Transportation speed (... m/min)	8	8	8
Temperature adjustment (50-199°C)	•	•	•
Temperature tolerance conform DIN58953-7	+/-1%	+/-1%	+/-1%
Over heating protection	•	•	•
Digital temperature indication	•	•	•
Seal edge adjustment	•	•	•
Stand-by function	•	•	•
Reverse transport		•	•
Automatic transportation start		•	•
Safety auto insert feed (within temp. range ± 5°C)		•	•
Resettable production counter with alarm		•	•
Parameter menu which indicate seal parameters			•
Continuous monitoring of seal parameters			•
Adjustable upper limit of seal pressure param. alarm			•

Certifications

	F108 PROTEC	F108TX PROTEC	F108TX-P PROTEC
EN ISO 11607-2			•
DIN 58953.7:2010 / 2006/42 CE / 2006/95/CE	•	•	•

\* Article numbers mentioned refer to 220/240 Volt machines

F108 PROTEC  
F108TX PROTEC  
F108TX-P PROTEC

Options

	F108 PROTEC	F108TX PROTEC	F108TX-P PROTEC
Ext. software program to view param. on pc			•
Ethernet converter			•
Front table 30.100.____*	623	623	623
Roller front table 30.100.____*	620	620	620
Maximum power consumption (in Watts)	330	330	330
Average power consumption (in Watts)	70	70	70
Dimensions in mm (LxWxH)	438 x 289 x 137	438 x 289 x 137	438 x 289 x 137

Services

	F108 PROTEC	F108TX PROTEC	F108TX-P PROTEC
Seal strength test EN 868-5	•	•	•
Calibration	•	•	•

