

## Famos Heat Sealer F220 Protec 2015 Series

Famos has completely redesigned its heat sealers which has resulted in the PROTEC Sealers. The PROTEC units have been redesigned completely with an innovative design while retaining the same reliability and high quality as always.

PROTEC has been derived from the word "protect" and symbolises 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 by using technology and state of the art components.

According to ISO 11607-2 the sealing process needs to be validated. For this purpose Famos has implemented parameter control in the F220 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.



**famos**  
Competence in CSSD

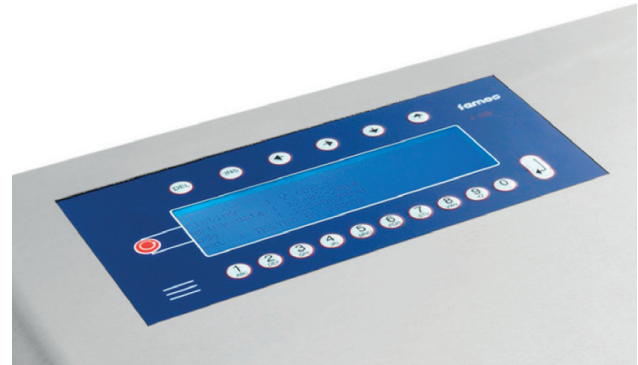


Order Code	Description
F30.100.600	Famos F220DEP Protec Rotary Heat Sealer Rib Seal
F30.100.601	Famos F220DEP Protec Rotary Heat Sealer Flat Seal
F30.100.608	Famos F220DBC Protec Rotary Heat Sealer Rib Seal
F30.100.609	Famos F220DBC Protec Rotary Heat Sealer Flat Seal
F30.100.619	Roller Front Table for F110 /F220 Protec Series
F30.100.626	Front Table for F110 / F220 Protec Series

## Famos Heat Sealer F220 Protec 2015 Series

### Features

- Hygienic and innovative design
- Completely made of AISI 304 stainless steel
- Microprocessor controlled
- Parameter control and USB module
- RS232 serial communication port
- Conveniently arranged LCD display and keyboard control



The F220 PROTEC series consists of two models: F220DEP and F220DBC.

Both models of the F220 PROTEC series are equipped with an automatic transport start, a reverse transportation feature and a production counter with alarm.

The machines are also equipped with an internal printer which can print the packing date, expiry date, code, texts and barcodes on the packaging. They are also equipped with a RS232 port which allows the sealers to be connected to a pc to program texts, read-out parameters with the external monitoring software and update the machine with the newest software releases.

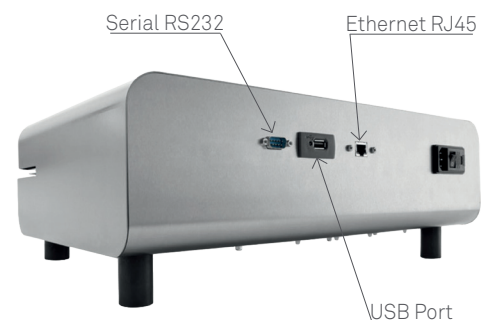
The F220DEP and F220DBC are equipped with parameter control, and a USB module. An ethernet connection is available as an option. The F220DBC can work with many instrument traceability systems which generate the barcode and other data that needs to be printed on the packaging.

Unlike the F110 PROTEC series the F220 PROTEC Series is equipped with a large built-in LCD display, it is equipped with a service menu which shows when the next maintenance is due, the printing sequence can be changed, 4 expiry times can be pre-set and a total of 3000 texts can be programmed and stored.

### Accessories

- Front table with a flat surface
- Roller front table

Both front tables provide a supporting platform for the packaging material when sealing. The rollers guide heavy packaging more easily through the heat sealer and prevent the heavy weight from causing bad seals.



### Famos Heat Sealer F220 Protec 2015 Series



General Specifications	F220DEP PROTEC	F220DBC PROTEC
Rotary Heat Sealer	•	•
Version available with Rib Seal - Order Code 30.100.____ *	600	608
Version available with Flat Seal - Order Code 30.100.____ *	601	609
Stainless Steel Hood and Transportation System	•	•
Microprocessor Control	•	•
Digital Menu Operation	•	•
Number of Lines in Display	6	6
Serial PC Communication Port (RS232)	•	•
USB Port	•	•
Keyboard Control	•	•
Intake Protection	•	•
Data Retention	•	•
Internal Printer	1	2
Second Line Printer (for text or barcode)		•
Seal Width - Rib Seal (mm)	15	15
Seal Width - Flat Seal (mm)	12	12
Seal Length (mm)	1- >	1- >
Quantity Usage (per day)	500+	500+
Dimensions (L x W x H mm)	527x314x162	527x314x162
110/120 VAC, Mains Voltage 50/60 Hz	•	•
220/240 VAC, Mains Voltage 50/60 Hz	•	•
Maximum Power Consumption (watts)	365	365
Average Power Consumption (watts)	70	70
Temperature Tolerance (conforms DIN58953-7)	+/-1%	+/-1%
Transportation Speed (m/min)	10	10
Temperature Adjustment (50°C - 199°C)	•	•
Self Adjusting Pressure	•	•
Over Heating Protection	•	•
Digital Temperature Indication	•	•
Seal Edge Adjustment	•	•
Intake Protection	•	•
Stand-by Function	•	•
Reverse Transport	•	•
Automatic Start of Transportation	•	•
Production Counter with Alarm and Reset Function	•	•
Safety Auto Insert Feed (within temp range ± 5°C)	•	•
Parameter Menu (indicates Seal Parameters)	•	•
Continuous Monitoring - Seal Parameters	•	•
Adjustable Upper Limit of Seal Pressure Parameters, Alarm	•	•
<b>Options</b>		
Front Table	•	•
Roller Front Table	•	•
External Software Program to View Parameters on PC	•	•
Ethernet Converter	•	•
* Ordering codes mentioned refer to 220/240 VAC units only		

### Famos Heat Sealer Protec 2015 Series

#### Specification Alternatives

Features	F108 PROTEC	F108TX PROTEC	F108TX-P PROTEC	F110 PROTEC	F110DEP-P PROTEC	F110DBC-P PROTEC	F220DEP PROTEC	F220DBC PROTEC
Rotary Heat Sealer	.	.	.	.	.	.	.	.
Version available with Rib Seal - Order Code: 300.100.____*	550	554	558	570	574	582	600	608
Version available with Flat Seal - Order Code: 300.100.____*	551	555	559	571	575	583	601	609
Stainless Steel Hood and Transportation System	.	.	.	.	.	.	.	.
Microprocessor Control	.	.	.	.	.	.	.	.
Digital Menu Operation	.	.	.	.	.	.	.	.
Number of Lines in Display	2	2	2	2	2	2	6	6
Serial PC Communication Port (RS232)	.	.	.	.	.	.	.	.
USB Port		.	.		.	.	.	.
Internal Printer				1	1	2	1	2
Seal Width - Rib Seal (mm)	15	15	15	15	15	15	15	15
Seal Width - Flat Seal (mm)	12	12	12					
Seal Length (mm)	1->	1->	1->	1->	1->	1->	1->	1->
Quantity Usage (per day)	< 500	< 500	< 500	500+	500+	500+	500+	500+
Self Adjusting Pressure	.	.	.	.	.	.	.	.
Transportation Speed (m/min)	8	8	8	10	10	10	10	10
Temperature Adjustment (50°C - 199°C)	.	.	.	.	.	.	.	.
Temperature Tolerance (conforms DIN58953-7)	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%
Over Heating Protection	.	.	.	.	.	.	.	.
Seal Edge Adjustment	.	.	.	.	.	.	.	.
Reverse Transport		.	.	.	.	.	.	.
Digital Temperature Indication	.	.	.	.	.	.	.	.
Automatic Transportation Start		.	.	.	.	.	.	.
Production Counter with Alarm and Reset Function		.	.	.	.	.	.	.
Dimensions (L x W x H mm)	438 x 289 x 137	438 x 289 x 137	438 x 289 x 137	527 x 314 x 162	527 x 314 x 162	527 x 314 x 162	527 x 314 x 162	527 x 314 x 162
110/120 VAC, Mains Voltage 50/60 Hz	.	.	.	.	.	.	.	.
220/240 VAC, Mains Voltage 50/60 Hz	.	.	.	.	.	.	.	.
Maximum Power Consumption (watts)	330	330	330	365	365	365	365	365
Average Power Consumption (watts)	70	70	70	70	70	70	70	70

#### Printing & Programming

Packaging and Expiry Date				.	.	.	.	.
Alpha-Numeric Code (Person/Batch)				.	.	.	.	.
Programmable Description				.	.	.	.	.
Second Line Printer for Text/Barcode						.	.	.
External Label Printing					.	.	.	.
PC Programmable					.	.	.	.
PC Communication Software			.		.	.	.	.

#### Options

Front Table - Order Code: 300.100.____*	.	.	.	.	.	.	626	626
Roller Front Table - Order Code: 300.100.____*	047	047	047	.	.	.	619	619
Ethernet Converter			.		.	.	.	.

\* Ordering codes mentioned refer to 220/240 VAC units only