



# Cleveland Equipment

## CEFS SERIES

Foot Operated Impulse Sealers  
Operational Manual

CEFS-350

CEFS-450

CEFS-650



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Please read this manual carefully and all related documentation that is included with your machine, and heed the following warnings.

**ALL PERSONNEL INVOLVED WITH THE OPERATION OF THIS FOOT IMPULSE SEALER MUST READ AND BECOME FAMILIARIZED WITH THIS AND ALL DOCUMENTATION INCLUDED WITH THE MACHINE. INSTRUCTIONS AND SAFETY WARNINGS MUST BE FOLLOWED AT ALL TIMES**

**IMPROPER INSTALLATION AND /OR OPERATION OF YOUR MACHINE MAY RESULT IN LOSS OF PROPERTY AND/OR SERIOUS INJURY. THOROUGHLY READ AND FOLLOW ALL INSTRUCTIONS SET FORTH IN THIS MANUAL.**

**KEEP ALL BODY PARTS AWAY FROM THE MACHINE WHILE IT IS BEING OPERATED.**

**THIS MACHINE USES HIGH TEMPERATURE TO SEAL BAGS. TOUCHING HEATED AREAS MAY CAUSE FIRE AND/OR SEVERE BURNS. DO NOT INSERT ANY MATERIAL OTHER THAN HEAT SEALABLE PLASTIC IN THE JAWS OF THE MACHINE. DO NOT PLACE ANY BODY PART NEAR THE JAWS OR CLOSE TO THE HEATING ELEMENT. DO NOT TOUCH ANY PART OF THE SEALING MECHANISM WHILE MACHINE IS CONNECTED TO A POWER SOURCE AS IT MAY BE ELECTRICALLY ACTIVE.**

**WARNING: NEVER PERFORM ANY MAINTENANCE WITHOUT FIRST UNPLUGGING MACHINE FROM POWER SOURCE AND CHECKING THAT ALL MACHINE SURFACES ARE COOL.**

**DO NOT ATTEMPT TO USE YOUR MACHINE AND CONTACT YOUR MACHINE SUPPLIER IMMEDIATELY IF YOU NEED ADDITIONAL CLARIFICATIONS OR DO NOT UNDERSTAND ANY PART OF THIS MANUAL**

**THIS MACHINE HAS MOVING PARTS. DO NOT PLACE HANDS OR FINGERS NEAR PINCH POINTS. DO NOT TOUCH THE MACHINE WHILE IT IS IN OPERATION. PERFORM ALL PROCEDURES CAREFULLY AND WATCH WHERE HANDS AND FINGERS ARE AT ALL TIMES.**



Model	CEFS-350	CEFS-450	CEFS-650
Sealing Length	350mm / 13.75"	450mm / 17.75"	650mm / 25"
Sealing Width	2~5mm 1/8 ~ 3/16 inch	2~5mm 1/8 ~ 3/16 inch	2~5mm 1/8 ~ 3/16 inch
Input Voltage	AC 220/110V 50- 60Hz	AC 220/110V 50- 60Hz	AC 220/110V 50- 60Hz
Heating Time	0-2.5 Sec	0-2.5 Sec	0-2.5 Sec
Impulse Power	1200 Watts	1250 Watts	1500 Watts
Dimensions mm	450x510x880	550x520x880	700x570x880
Dimension Inches	17.75x20x34.6	21.6x20.5x34.6	27.5x22.4x34.6
Weight	19Kg / 42Lbs	21Kg / 46Lbs	24.5Kg / 54Lbs

## I. MACHINE SET UP & OPERATION

### **DO NOT PERFORM A SEAL CYCLE IF THERE IS NO BAG IN THE SYSTEM.**

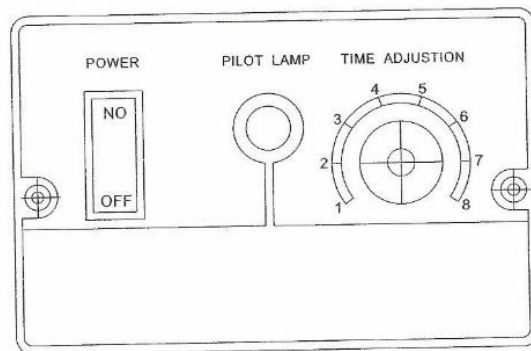
1. Assemble the sealer and mount on the pedestal. Connect the power cable to an AC source (110VAC for 110V models / 220VAC for 220V models).
2. Place the bag to be sealed between the two open sealing jaws.
3. Push and hold the foot pedal firmly, the red heating indicator light on the control panel will turn on and remain lit for the duration of the heating cycle.
4. The timer automatically stops the sealing process once it reaches the end of the indicated time on the heating timer. Once the red indicator light turns off, you may release the foot pedal and remove your sealed bag.
5. You may repeat steps 2-4 for multiple jobs.
6. Turn the power switch to OFF when machine is no longer in use. Turn the power switch to OFF when the machine will remain idle for an extended period time.



## II. SETTING THE HEATING TIMER

In order to determine the appropriate heating time for a specific type of bag:

1. Turn the knob to 0 (this number is just a reference and does not indicate seconds).
2. Press the foot pedal and perform a sealing cycle.
3. If the bag did not properly seal, gradually increase the setting on the timer by half a point and repeat the sealing cycle. Gradually repeat this step until a proper seal is achieved.





### III. MAINTENANCE

Use a clean cloth to clean off any plastic residue remaining on the Teflon cloth. Do not use any sharp or metal objects to clean the belt as they may damage the cloth.

#### To replace the Teflon Cloth

1. Loosen the screws on the front part of the lower jaw that secures the cloth bracket, and remove the bracket.
2. Loosen the wing nuts that secure the Teflon cloth shaft.
3. Pull out a small section of cloth enough to reveal a new surface, and cut away the excess.
4. Pull the cloth tight over the heating element and secure the belt with the cloth bracket and tighten the screws

#### To replace the Heating Element

1. Remove the Teflon Cloth securing bracket and push the cloth over and back revealing the heating element.
2. Remove the covers on both ends of the heating surface.
3. Loosen or remove the clamping screws on the copper blocks and remove the old heating element. Note: If the copper block is oxidized, clean off with sand paper to insure a proper contact for the new element.
4. Install the new Heating Element pulling it tight, install the covers and secure the Teflon Cloth.

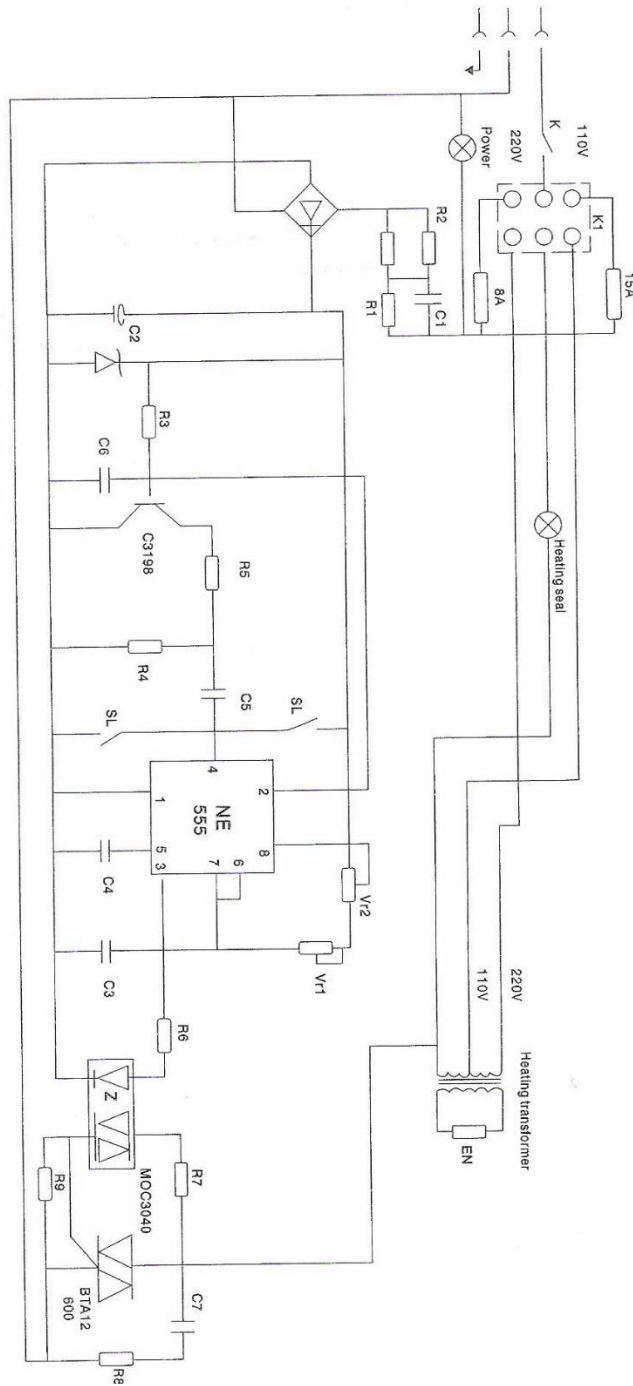


#### IV. TROUBLESHOOTING

Problem	Cause	Solution
Seal is too Weak	Heating time too low	Increase heating time
Burnt Seal	Heating time too long	Decrease heating time
Indicator does not light	Blown Fuse	Replace fuse
The foot pedal is released but continues to heat	Turn off immediately	Replace or adjust cycling switch
Heating indicator lights but heating element does heat	Bad heating element	Replace heating element
Bag burns and stick to cloth	Worn or damaged cloth	Replace cloth



## V. ELEC





## VI. PARTS BREAKDOWN

