

Cylinder Ironers

320 mm Diameter, OPL
Insertion width 1664 mm, 2080 mm
Refer to Page 4 for Model Identification

Operating Supplement

Original Instructions

Keep These Instructions for Future Reference.

CAUTION: Read the instructions before using the machine.

(If this machine changes ownership, this manual must accompany machine.)

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Introduction

Replacement Parts

If literature or replacement parts are required, contact the source from which the machine was purchased or contact Alliance Laundry Systems at +1(920)748-3950 for the name and address of the nearest authorized parts distributor.

Customer Service

For technical assistance, contact your local distributor or contact:

Alliance Laundry Systems

Shepard Street

P.O. Box 990

Ripon, Wisconsin 54971-0990

U.S.A.

www.alliancelaundry.com

Phone: +1(920)748-3121

Ripon, Wisconsin

Model Identification

Information in this manual is applicable to these models:

| | | |
|-------------|-------------|------------|
| FCI032166C | FCS032166C | FCP032208N |
| FCI032166N | FCS032166N | FCP032208U |
| FCI032166U | FCS032166U | I32166X |
| FCI032208C | FCS030208C | I32280X |
| FCI032208N | FCS030208N | I33-160 |
| FCI032208U | FCS030208U | I33-200 |
| FCI1664/320 | FCS1664/320 | LSR3316 |
| FCI2080/320 | FCS2080/320 | LSR3320 |
| FCI3216 | FCS3216 | FCI032166H |
| FCI3220 | FCS3220 | FCI032208H |
| FCU032166C | FCL032166C | FCU032166H |
| FCU032166N | FCL032166N | FCU032208H |
| FCU032166U | FCL032166U | FCS032166H |
| FCU032208C | FCL032208C | FCS032208H |
| FCU032208N | FCL032208N | FCP032166H |
| FCU032208U | FCL032208U | FCP032208H |
| FCU1664/320 | FCP032166C | FCL032166H |
| FCU2080/320 | FCP032166N | FCL032208H |
| FCU3216 | FCP032166U | FCU013066T |
| FCU3220 | FCP032208C | FCU013082T |

Operating the Machine

General

- The producer reserves the right to change the specifications stated in this manual at any time without prior notification.
- The details stated herein are for information only as it is not possible to include all the specific details concerning the machine.

| | |
|--|----------------|
| | WARNING |
| INCORRECT USE OF THE CONTROL SYSTEM MAY LEAD TO AN INJURY, DAMAGE TO THE ELECTRONIC PARTS OR DAMAGE TO THE MACHINE. | |
| C079 | |

- The machine is controlled by a set of the following function units:
 - Main switch – chapter *Main Switch*.
 - on the front left panel with an integrated emergency stop button function
 - Control panel / keyboard – chapter *Control Panel / Keyboard - Control*.
 - Safety bar – chapter *Safety Bar for Fingers Protection*.
 - Hand crank – chapter *Hand Crank*.
 - STOP / START system pedal of the insert table – chapter *Stop / Start System Pedal of the Insert Table*.
 - OCS system - chapter *OCS System - Checking of Cylinder Edges Overheating*, the function is automatic.
 - SENSOSPEED[®] system – chapter *Sensospeed[®] System*
* on request, the function is automatic.

Main Switch

- Information about the main switch is also included in the following chapter: Refer to Installation/Operation/Maintenance and Operating Supplement.
- Turn the main switch to the “ON” position – the display keyboard is lit – then follow instructions specified in chapter *Starting the Machine*.

Control Panel / Keyboard - Control

- Basic operation control is carried out from the control panel.
- Complete description of the system configuration is specified in the Programming manual.

Keyboard Control

- The control panel consists of multifunction display and control buttons:

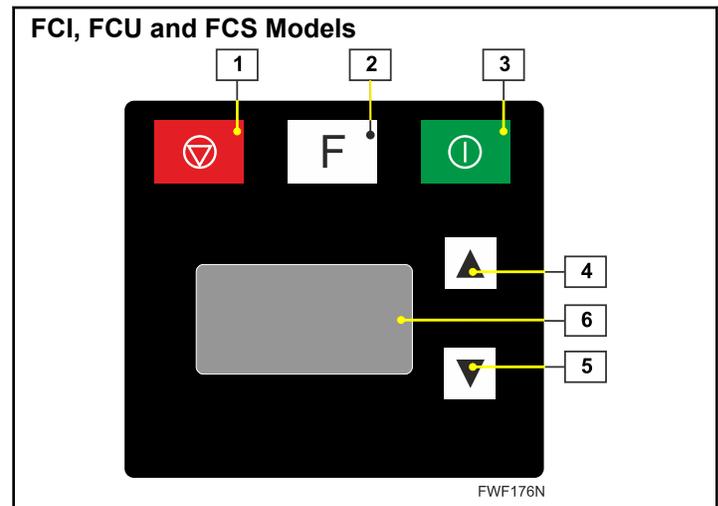


Figure 1

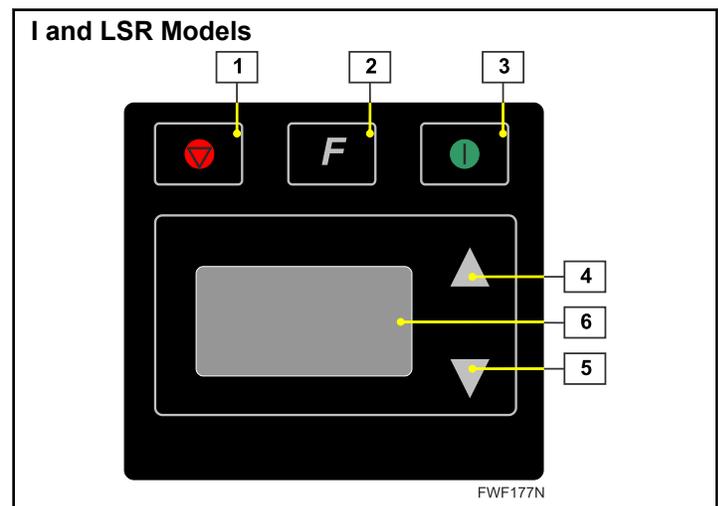


Figure 2

Control panel - symbols:

1. – STOP button
 2. – FUNCTION button
 3. – START button
 4. – UP button
 5. – DOWN button
 6. – MULTIFUNCTION display
- 1 – the STOP button is used for:
 - switching the machine off or bringing it into the automatic cool down mode
 - deleting an error message
 - 2 – the FUNCTION button is used for:
 - switching between the operational screens on the display

Operating the Machine

- saving the changes carried out in the current program into the memory so that they are automatically uploaded when the machine is restarted (the changes are saved when the button has been depressed for a prolonged time - approx. 2 seconds)
- one program is available only – program 1
- Confirming and opening menu items – refer to the Programming manual
- 3 – the START button is used for:
 - starting the machine and the ironing process
 - refer to *Starting ironing*
 - emergency start of the machine without heating after an error message has been shown
 - error message 3
- 4, 5 – UP and DOWN buttons are used for:
 - setting the ironing parameters on the current operational screen
 - movement within the menu, setting values within the menu – refer to the Programming manual
- 6 – The MULTIFUNCTION display is used for:
 - showing all machine information, its current state, ironing parameters or warning and error messages
 - showing the menu for machine set-up – refer to the Programming manual

Choice of Displayed Units

- In the Install menu – parameter UNITS (refer to Programming manual) - is possible to choose type of displayed units:
- Ironing temperature – T,> Temp (refer to chapter *Ironing Temperature - T*)
 - °C
 - °F
- Ironing speed – S,> Speed (refer to chapter *Ironing Speed - S*)
 - m/min
 - ft/min
- Setting units are then displayed on all relevant screens

Starting the Machine

- Once the machine has been switched on by means of the main switch, the information about loading the control software is displayed. When the software is loaded, its initialisation starts and so does the inspection of safety devices of the machine during which the information on current machine configuration and control software version is displayed:

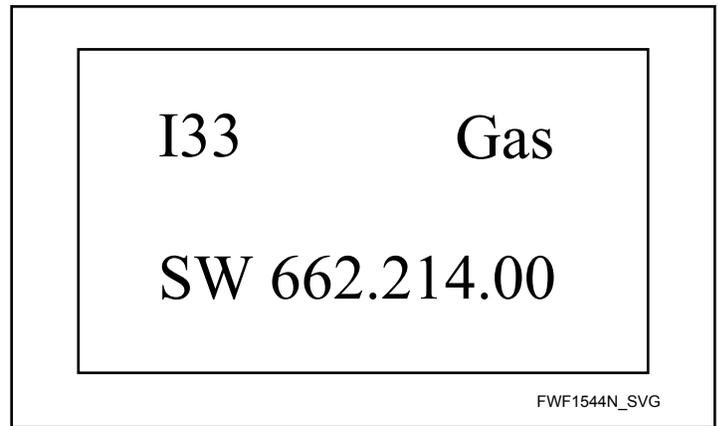


Figure 3

- The software version number in *Figure 3* shows the lowest valid software version used for machines described in this manual.
- In any communication with the equipment supplier or service organisation of the manufacturer always state the following data:
 - Software version - it is shown in the initial sequence after the machine has been started with the main switch
 - Machine model - it is shown in the serial plate (Installation/Operation/Maintenance manual)
 - Serial number - it is shown in the serial plate (Installation/Operation/Maintenance manual)

Ironing Parameters

- The ironing parameters can be changed on these three basic operational screens:
 - program - symbol P
 - ironing temperature - symbol T
 - ironing speed - symbol S
- The symbols are shown in the upper left-hand corner of the individual screens. It is possible to switch between the individual operational screens by pressing the FUNCTION button for a short time. If the machine is stopped, it can be started in any of the operational screens by pressing the START button. The machine is then started at speed based on the currently running program and it starts heating up until it reaches the temperature specified by the program.
- If the machine is running, it can be stopped in any of the operational screens by pressing the STOP button. In case that the ironing cylinder is too hot, the machine does not stop immediately; it switches over to the automatic cool down mode and operates at the lowest speed. When it cools down to a safe temperature, it stops.

Ironing Program - P

- The first and default screen that appears is the operating screen of the particular program.

- This screen is shown as soon as the machine initialisation is successfully completed.
- The gramme number cannot be changed (the default number is 1).

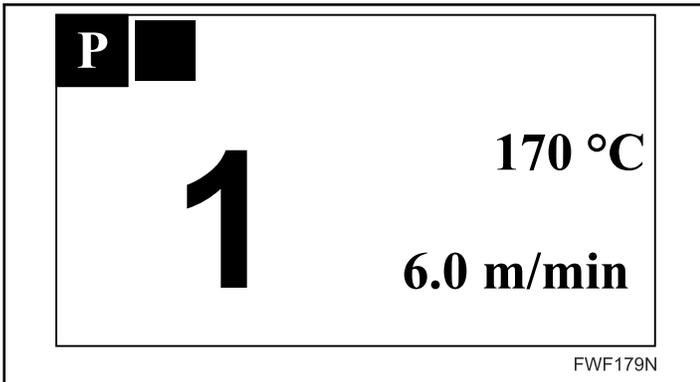


Figure 4

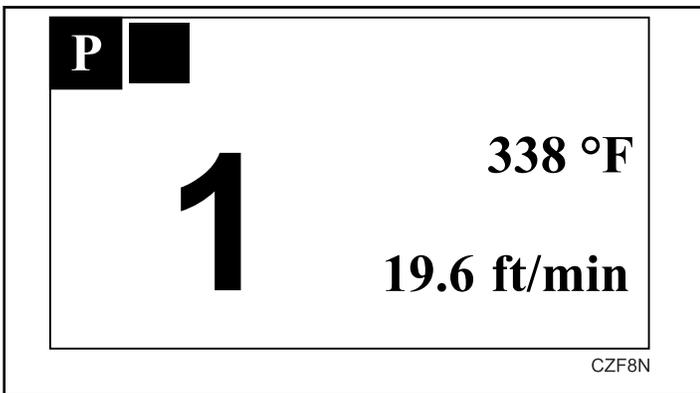


Figure 5

- The left part of the screen shows the current ironing program number, the right part shows its parameters:
 - Temperature
 - Speed

Ironing Temperature - T

- The ironing temperature can be changed on the operational screen marked by the T symbol in the upper left-hand corner.

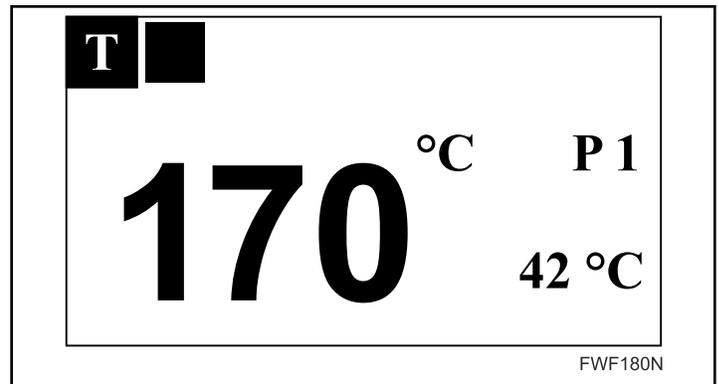


Figure 6

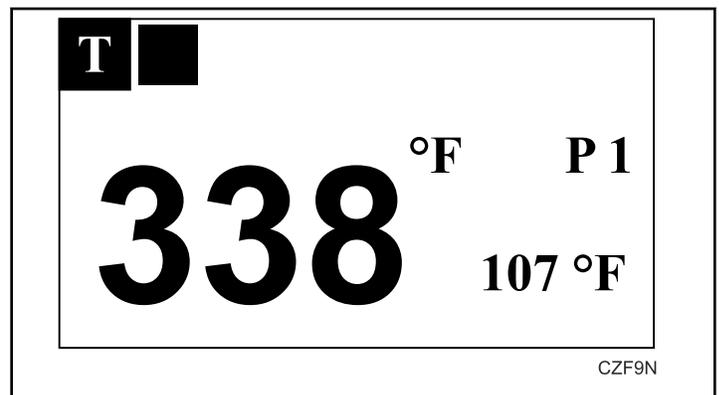


Figure 7

- The left-hand part of the screen shows the ironing temperature of the currently selected program, the righthand part shows the ironing program number and current machine temperature.
- The ironing temperature is changed by means of the UP and DOWN buttons, the temperature can be changed in the range from 32°F [0°C] - 356°F [180°C] (in 41°F [5°C] steps).

Ironing Speed - S

- The ironing speed can be changed on the operational screen marked by the S symbol in the upper left-hand corner.



Figure 8

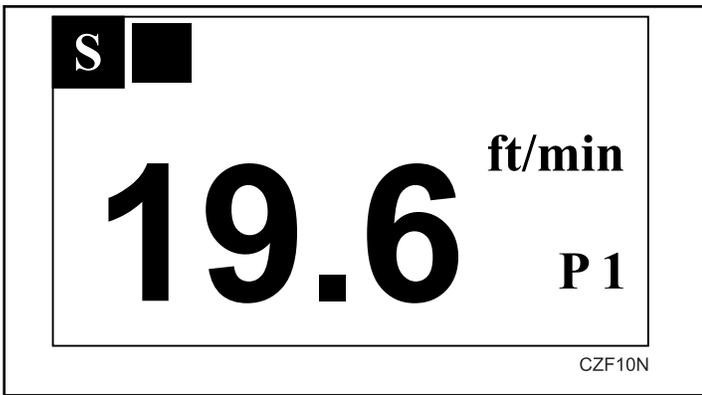


Figure 9

- The left-hand part of the screen shows the ironing speed of the currently selected program, the right-hand part shows the number of the ironing program.
- The ironing speed is changed by means of the UP and DOWN buttons, the speed can be changed in the range from 1 – 6 m/min (in 0.5 m/min steps).

Saving the Parameter Changes

- Unless the changes are saved into the machine memory, they are only valid until the program is changed or the machine switched off.
- For saving the parameters of the selected program into the memory, press the FUNCTION button and hold (for about 2 seconds). When the FUNCTION button is released, a confirmation screen with a symbol of a floppy disc appears to indicate successful saving of the changed parameters:

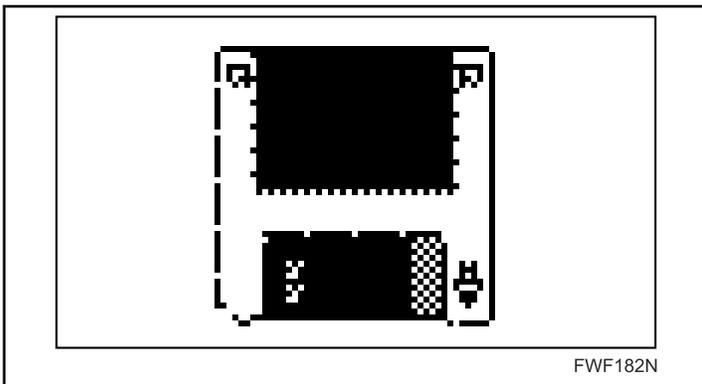


Figure 10

Diagnostic Screen

- Special operational screen marked by the D displays diagnostic data while the machine is operating:

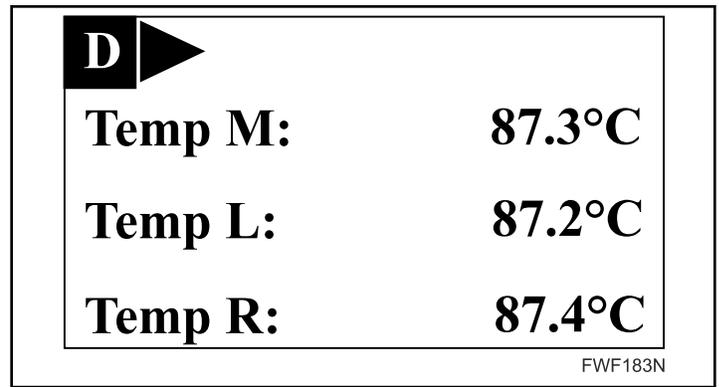


Figure 11

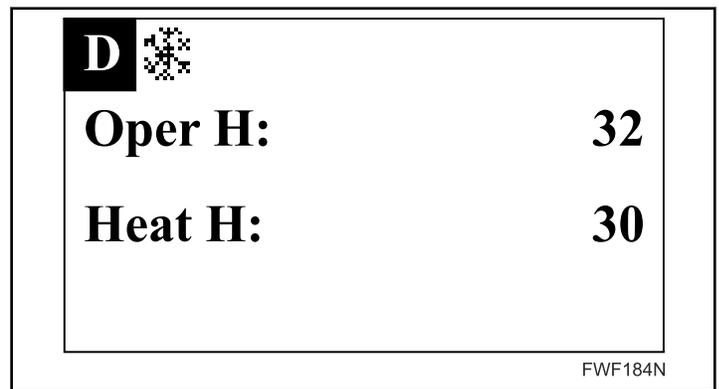


Figure 12

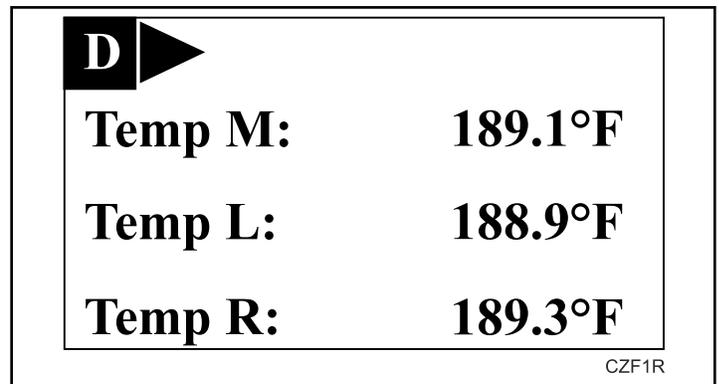


Figure 13

- For information on screen content and how to access the screen refer to the Programming manual.

Machine Operational States

- The operational states are indicated on any of the operational screens in their upper left-hand corners, right next to the indication of the screen type. The operational states are indicated by one of the following symbols:

▶ – Run the machine is operating at the speed based on the currently selected program

■ – Stop the machine is stopped, the heating is switched off

 – Cool down mode – the machine (ironing unit) operates at minimum speed, the heating is switched off, exhaust fan operates, the automatic total machine stop is active after the cylinder has cooled down to a safe temperature below 176°F [80°C]

- The pedal activity is indicated next to the symbol of the machine operating state (only in case that the machine is equipped with a pedal and the pedal is configured) – chapter *Stop / Start System Pedal of the Insert Table* .

 – the operation of the insert table belts was stopped by means of a pedal.

- The heating activity is indicated as the third symbol (or as the second symbol in case that the machine is not equipped by a pedal). It is indicated by one of the following symbols depending on the heating type:

| HEATING | G | E | S | |
|---|---|---|---|--|
|  1 | | * | | – heating switched on to 1 section of heating elements - E |
|  2 | | * | | – heating switched on to 2 sections of heating elements - E |
|  | * | | | – heating switched on - G |
|  | * | | | – heating switched off, the reset of gas ignition unit sent due to unsuccessful ignition attempt - G |
|  | * | | | – heating switched off, the reset of ignition unit in process due to unsuccessful ignition attempt - G |

Table 1

- In case that it is not necessary to heat up the machine, no symbol is shown.

Machine Safety States

- The safety states indicate that some of the safety features have been used. They are accompanied by a short sounding of the acoustic alarm.

Safety Bar for Fingers Protection

- System description - refer to chapter *Safety Bar for Protection of Fingers*.
- If the safety bar is pressed in any manner, the following warning symbol is displayed.



Figure 14

- The safety bar responds to being pressed in various ways depending on the following factors:
 - the current temperature of the ironing cylinder - less than 176°F [80°C] (T < 80) / more than 176°F [80°C] (T > 80)
 - the current operational mode of the machine - Stop, Run, Cool down
 - the duration for which the bar is pressed - short push (approx up to 8 seconds) / long push (approx over 8 seconds)

T < 80, mode: Stop, push: short or long

- Pressing the safety bar has no effect on the machine operation

T ≥ 80, mode: Run or Cool down, push: short

- for the duration of the push, the warning message refer to *Figure 14* is displayed;
- during the push, the machine stops and, if the heating system has been active, it is switched off;
- when the safety bar is released, the machine switches back to the original mode of operation including renewal of the original information shown on the display;
- for the OPL version with a STOP / START system pedal of the insert table:
 - if the belts of the insert table had been in the STOP state before the safety bar was pressed, they will be switched to the RUN state as soon as the safety bar is released.

T < 80, mode: Run or Reverse run, push: long

- for the duration of the push, the warning message refer to *Figure 14* is displayed;
- during the push, the machine stops and, if the heating system has been active, it is switched off;
- when the safety bar is released, the warning message (refer to *Figure 14*) remains displayed;
- the operator can then choose from the following actions:
 - > START button
 - the machine switches back to the original state of operation including renewal of information shown on the display
 - machine version with the STOP / START system pedal of the insert table: if the belts of the insert table had

been in the STOP state before the safety bar was pressed, they will be automatically switched to the RUN state as soon as the START button is pressed.

- > STOP button - the machine stops
- > NO INTERVENTION - the warning message (refer to *Figure 14*) remains active, the ironing unit does not operate, exhaust fan operates

T > 80, mode: Run or Reverse run, push: long

- for the duration of the push, the warning message refer to *Figure 14* is displayed;
- during the push, the machine stops and, if the heating system has been active, it is switched off;
- when the safety bar is released, the warning message (refer to *Figure 14*) remains displayed;
- the operator can then choose from the following actions:
 - > START button
 - the machine switches back to the original mode of operation including renewal of information shown on the display.
 - machine version with the STOP / START system pedal of the insert table: if the belts of the insert table had been in the STOP state before the safety bar was pressed, they will be automatically switched to the RUN state as soon as the START button is pressed.
 - > STOP button
 - the machine switches to the cool down mode.
 - machine version with the STOP / START system pedal of the insert table: if the belts of the insert table had been in the STOP state before the safety bar was pressed, they will be automatically switched to the RUN state as soon as the STOP button is pressed.
 - > NO INTERVENTION – error code 3 is displayed after a delay, the ironing unit does not operate, exhaust fan operates, the operator can then choose from the following actions:
 - > START button – code 3 remains displayed, ironing unit starts operating at the pre-set speed, exhaust fan operates, heating is switched off;
 - > STOP button – code 3 is cancelled, the machine is switched to the cool down mode. (if the delay before pressing the STOP button is longer than 15 seconds, error code 8 is displayed)

T > 80, mode: Cool down, push: long

- for the duration of the push, the warning message refer to *Figure 14* is displayed;
- during the push, the machine stops and, if the heating system has been active, it is switched off;
- when the safety bar is released, the warning (*Figure 14*) remains displayed;
- the operator can then choose from the following actions:
 - > START button
 - the cool down mode is cancelled, the machine switches to the Run state;

- machine version with the STOP / START system pedal of the insert table: if the belts of the insert table had been in the STOP state before the safety bar was pressed, they will be automatically switched to the RUN state as soon as the START button is pressed.
- > STOP button
 - the machine switches to the cool-down mode
 - machine version with the STOP / START system pedal of the insert table: if the belts of the insert table had been in the STOP state before the safety bar was pressed, they will be automatically switched to the RUN state as soon as the START button is pressed.
- > NO INTERVENTION – error code 3 is displayed after a delay, the ironing unit does not operate, exhaust fan operates, the operator can then choose from the following actions:
 - > START button – code 3 remains displayed, ironing unit starts operating at the pre-set speed, exhaust fan operates, heating is switched off;
 - > STOP button – code 3 is cancelled, the machine switches to the cool-down mode. (If the delay before pressing the STOP button is longer than 15 seconds, error code 8 is displayed).

Safety Thermostat Activation

- System description - refer to chapters - *List of Error Codes* and *Installation/Operation/Maintenance, Programming manual*.
- In case of an emergency state during which the temperature of the ironing cylinder reaches the limit value, the safety thermostat is activated and a flashing warning message 1 is displayed - *Figure 15*.

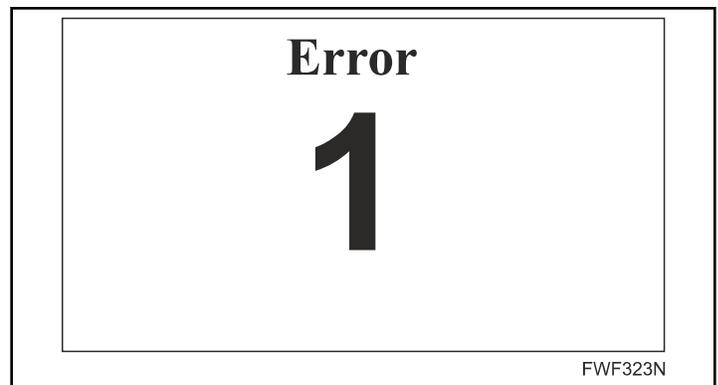


Figure 15

- In this state, the heating system is switched off, the ironing unit rotates at the pre-set speed, the exhaust fan operates.
- The error code 1 cannot be cancelled by action of the operator. It remains displayed until the cylinder temperature drops to a safe value, then it is automatically cancelled and the machine switches to the original mode of operation.

- After the automatic cancellation of the error code 1, other error codes with lower degree of severity may be displayed (such as code 2 or 3) - for further information refer to the Programming manual.

Pressure (Airflow) Switch Activation - Gas Heating Only

- System description - refer to chapter - *List of Error Codes*, Installation/Operation/Maintenance manual and Programming manual.
- In case of an Pressure (air flow) switch failure or non-permitted change of parameters of the machine external exhaust system, the warning message 8 (Figure 16) is displayed.

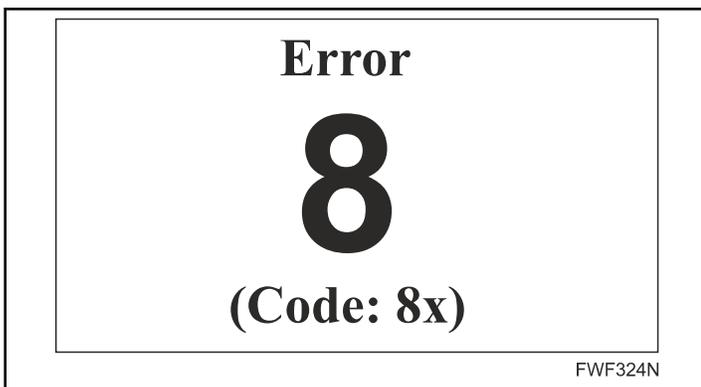


Figure 16

- In this state, the heating system is switched off, the ironing unit rotates at the pre-set speed, the exhaust fan operates.
- Error code 8 can be cancelled by pressing the STOP button. If the error cause has not been removed, the warning message will be displayed again after a delay.
- The ironer operates correctly in case that the Pressure (air flow) switch is switched on. Correct function of the Pressure (air flow switch) is generally checked in all operating states of the machine. A potential specific state error is indicated by a specific code – refer to the Programming manual.

Machine Error Conditions

- In case that during the machine operation a serious error occurs, such event is indicated by an informative screen with a flashing sign which says Error and the number of the error type sometimes accompanied by the particular error code (in the lower part of the screen) which clarifies the cause of the error condition - refer to Programming manual:

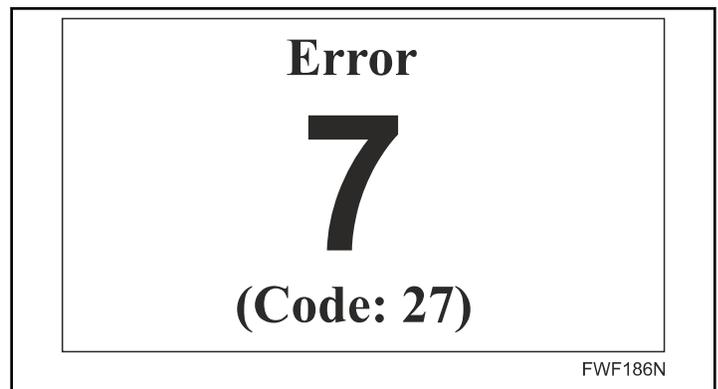


Figure 17

- In case that the error was caused due to high machine temperature or due to a problem with the connection of the temperature sensor, a symbol of L, M or R (or their combination) is flashing in the lower part of the screen instead of the error code. This indication specifies the position of the sensor which caused the error condition.
 - The L symbol indicates the left section of the ironing cylinder, R indicates its right section and M indicates its central section (sides indicated from the viewpoint of the machine operator):

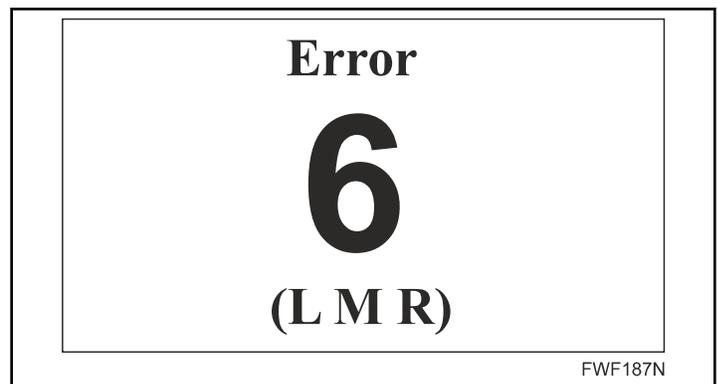


Figure 18

- In case that the error condition has been caused by one of the above specified safety states (refer to previous chapter), then this fact is indicated in the upper right-hand corner by one of the following symbols:
 - F – the safety bar for fingers protection has been pressed

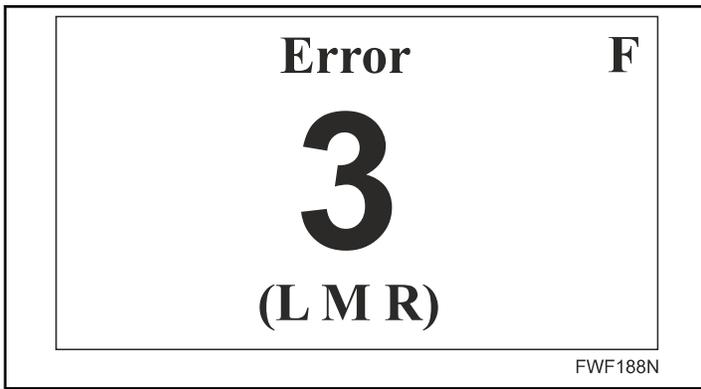


Figure 19

- The indicated error message can be confirmed and cancelled by pressing the STOP button. However, certain error messages cannot be cancelled until the cause of the error is rectified or until the machine is stopped and repaired.
- By pressing the START button while the error message is shown (unless the nature of the indicated error prevents to do so), the stopped machine can be re-started in emergency mode, i.e. at the lowest speed and with heating switched off.

List of Error Codes

| Error number | Error description | For certain machine types only | Code / indication of temperature sensor |
|--------------|--|--------------------------------|---|
| 1 | Reserved for the safety thermostat error T > 410°F [210°C] | | |
| 2 | Exceeding the cylinder temperature over T = 392°F [200°C] | | LMR |
| 3 | Exceeding the cylinder temperature over T = 176°F [80°C] when the machine is stopped | | LMR |
| 4 | Fan motors overloaded | | |
| 5 | Temperature sensor short-circuited | | LMR |
| 6 | Temperature sensor disconnected | | LMR |
| 7 | Drive (frequency inverter) error | | Code |
| 8 | Faulty function of underpressure sensors / value of the exhaust system resistance over the limit value (Pz) | G | Code |
| 9 | G - Error of the burner ignition unit or faulty function of the electric heating contactors E - Malfunction of contactors | G, E | |
| 10 | Faulty function of the safety bar for fingers protection at the machine start up | | |
| 13 | Memory error | | Code |
| 14 | Flash memory error | | Code |
| 15 | Software error | | Code |
| 35 | Incorrect software version | | |

Table 2

- Note
 - L, M, R - identification of the location of the respective temperature sensors for which the error is indicated
 - G – the error is indicated on machines with gas heating only
 - E – the error is indicated on machines with electric heating only.
 - Detailed error specification - refer to Programming manual
- An example of such rectifiable error is an unsuccessful first attempt to ignite the burner after the gas has been connected and the gas inlet is not sufficiently air-bled.
- If the fault state continues, the message is displayed again after approx. 30 seconds. If the error message 9 is displayed five times within one hour, then it cannot be deleted (confirmed) by pressing the STOP button.
- At such automatically non-rectifiable error it is necessary to switch the machine off by the main switch or directly restart the lit-up button on the ESYS control unit (3) - (figure Gas heating), before it is possible to attempt the restart of the machine.
 - If the gas inlet is open and has the correct connection pressure,
 - if no intervention into the safety under-pressure switch (4) occurred – (figure Gas heating)
 - if the safety thermostat is not activated and functioning – error message 1

Error Message 9 - Starting (Ignition) Unit Error - G Version Only

- The keyboard display indicates non-specified error message 9 when any type of gas heating system error is encountered.
- The error message can be deleted (confirmed) by pressing the – STOP button.

- if the maximum loss of pressure on the exhaust is not exceeding p_z max, which would be indicated by the 8 error message,
- if no unauthorised intervention into / tampering with the settings occurred,
- if the display does not show any other error message and, despite all the above stated conditions, it remains impossible to put the gas heating system in operation (repeated indication of 9), then a more serious failure of the gas heating system occurred (such as breakdown of the equipment for ignition and flame detection or similar failure).
- The serious failures of the gas heating system that cannot be automatically rectified can only be detected and subsequently repaired by utilization of a special communicational software ESYS, which enables exact specification of the failure. Such diagnostics may be carried out by person/company authorised by the manufacturer only.

Operating Instructions

Activation

- Before the actuation of the machine, make sure that it has been installed properly and that it complies with all the installation terms and conditions specified in this manual.

Switching on the feed

- Refer to chapter - *Main Switch, Starting the Machine*.
- If the initialisation sequence is correctly terminated, the display shows:
 - **P** screen allowing the program selection *Ironing Program - P*.

Setting the parameters of ironing

- Select the working temperature according to the type of linen to be ironed according to the following table (values are for information only):

| Recommended the parameters of ironing | | |
|---------------------------------------|-----------------------|--------|
| TEMPERATURE °F [°C] | MATERIAL | SYMBOL |
| 185°F [85°C] | Polyacryle, Polyamide | |
| 230°F [110°C] | Polyester, Cellulose | |
| 275°F [135°C] | Silk | |
| 302°F [150°C] | Wool | |
| 338°F [170°C] | Cotton | |
| 347°F [175°C] | Linen | |

Table 3

Starting ironing

- Refer to chapter *Starting the Machine*– when the machine is not operating, select the program number (or modify the program parameters – speed, temperature) and press the START button.
 - Program selection or modification of its parameters can be done even when the machine is in operation (on the particular pages **P, T, S**).

Heating process - beginning of ironing

- You must wait until the ironing cylinder is heated to the required temperature after the actuation of the machine.
 - Generally, the heating process is terminated before the set temperature is reached (it differs for each type of heating) as the heating regulations takes into consideration that there is a certain level of heating inertia.
- Approximate values of time necessary for heating the cylinder up from 68°F [20°C] to 338°F [170°C] - according to the heating system type:
 - E – approx. within 15 minutes.
 - G – approx. within 10 minutes.
- We recommend waiting for about 3 minutes until the system stabilizes before you start ironing.

Ironing

- When all the conditions for ironing are met, place the linen on the insert table in accordance with the general recommendations provided in the following chapters:
 - IRONING INSTRUCTIONS – USER RECOMMENDATIONS
 - SYMBOLS ON THE MACHINE – label with instructions for inserting linen, information about the correct and incorrect placement of linen on the insert table.
- If you permanently iron pieces of linen that are narrower than the inserting width of the machine is, we recommend skipping ironing through the centre of the ironing cylinder every five minutes and repeatedly, at least twice, iron alternately only via the right and left edge of the insert table. This will cool down the ironing cylinder edges overheated by the ironed linen.
- If the machine is equipped with the start / stop pedal of the input table, the pedal can be used during this stage, refer to chapter *Stop / Start System Pedal of the Insert Table*.
- Check that the fabric can be ironed and what the ironing temperature is. If necessary, you can adjust the temperature and speed during ironing.
- Dry and ironed linen returns into the output trough. You have to take the linen out and you can fold it immediately.

Completion of ironing

- Turn off the machine by pressing STOP button before the planned completion of ironing. This will activate the automatic cooling system. It decreases the energy consumption by us-

ing the heat accumulated in the ironing cylinder and shortens the cooling time. It prevents overheating the ironing cylinder.

- The machine stops running when the temperature drops below 176°F [80°C]. Only the control system will remain live. To turn off the machine completely, you must use the main switch. The ironing cylinder can be cooled down faster if you iron a few pieces of linen with dampness exceeding 50%.

- It is located on the right side.

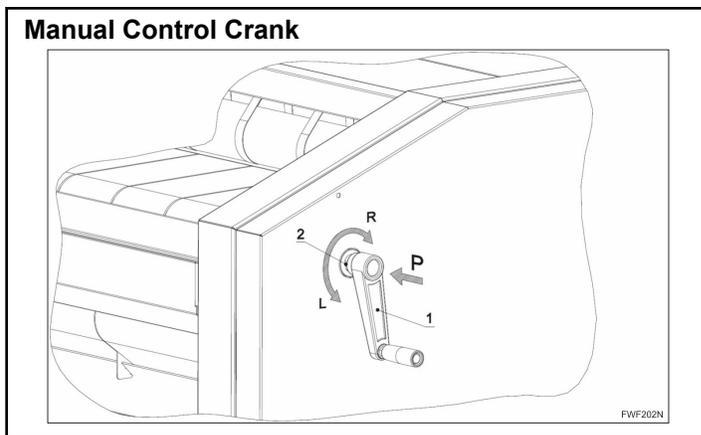


Figure 21

- It is used as an auxiliary emergency device when the machine is hot and it is not possible to get out the stuck linen or cool down the ironing cylinder during the operation for various reasons (blackout, mechanical failure etc.) to prevent damage to the ironing belts caused by high temperature.
- If needed, push the crank into the machine (direction “P”) and turn it in the direction "R".
- This will run the machine manually and allows:
 - Getting stuck linen out of the machine.
 - Inserting wet linen into the machine in order to accelerate the cooling phase when the ironing cylinder is too hot.
- The crank is installed in the machine so that it is not connected to the driving system of the machine. The crank is connected to the drive of the machine when it is pushed in the “P” direction directionrefer to *Figure 21* . The system is equipped with a one-way claw clutch.
- The construction of the clutch ensures the default position of the crank is disengaged from the drivig system in case the crank is pushed while the machine is running and no “P” pressure is applied.
- The design of the hand crank system ensures that with all the machine versions it is possible to manually operate both: the ironing cylinder with the ironing belts as well as the insert table belts.
- If disassembly of the right cover is necessary or if for any other operational reason it is necessary to remove the crank (1) from the machine, then remove the crank (1) by screwing it off in the direction (L) from the hub (2) while simultaneously securing the hub (2) against turning with an open-ended spanner HEX19.
- The crank (1) remains a part of the machine.

| | |
|---|----------------|
| | WARNING |
| NEVER USE THE MAIN SWITCH OR THE SAFETY BAR TO TURN OFF THE MACHINE WHEN THE TEMPERATURE OF THE IRONING CYLINDER IS ABOVE 176°F [80°C] AS IT MAY DAMAGE THE IRONING BELTS! | |
| C036 | |

Safety Bar for Protection of Fingers

- The safety bar is a security device that protects the operator’s fingers from accessing the dangerous area of the machine when placing linen on the insert table by bringing the machine to a halt for the necessary duration of time in case that the safety bar is pressed.

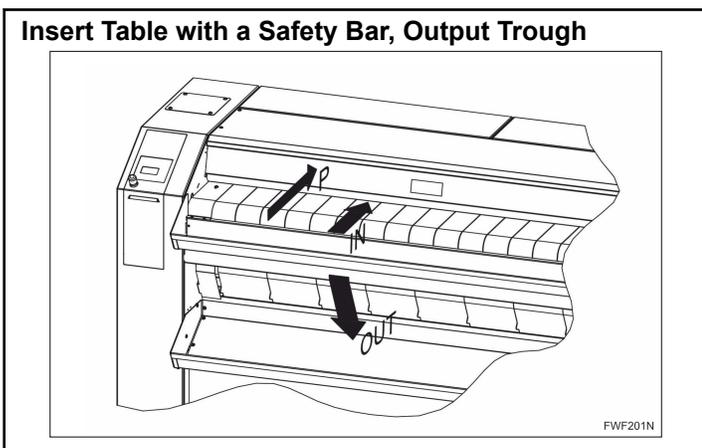


Figure 20

- The safety bar is placed at the end of the transversal conveyor belt of the insert table.
- The machine stops running when the safety bar is pressed at any time during ironing – chapter *Safety Bar for Fingers Protection* .
- The gap for the passage of the linen between the belts of the insert table and the safety bar corresponds to safety regulations in force and it can be adjusted only to a limited extent.

Hand Crank

- The hand crank, *Figure 21* is a mechanical device intended for manual control of the machine.

Stop / Start System Pedal of the Insert Table

| | |
|--|----------------|
|  | WARNING |
| <p>STOP THE FEEDING BELTS OF THE INSERT TABLE FOR A NECESSARY PERIOD OF TIME ONLY. NEVER LET THEM IDLE PERMANENTLY. THE HEATING OF THE IRONING MACHINE IS NORMALLY OPERATING WHEN THEY ARE IDLE. A DAMAGE TO THE FEEDING BELTS MAY THUS OCCURS.</p> | |
| C037 | |

- Stop / start system pedal of insert table, *Figure 22* is a mechanism designed for interrupting or re-activating the operation of the feeding belts of the insert table. The pedal is situated down, in front of the machine, underneath the front support.

Special accessory, supplied on request, it is a part of some machine versions only.

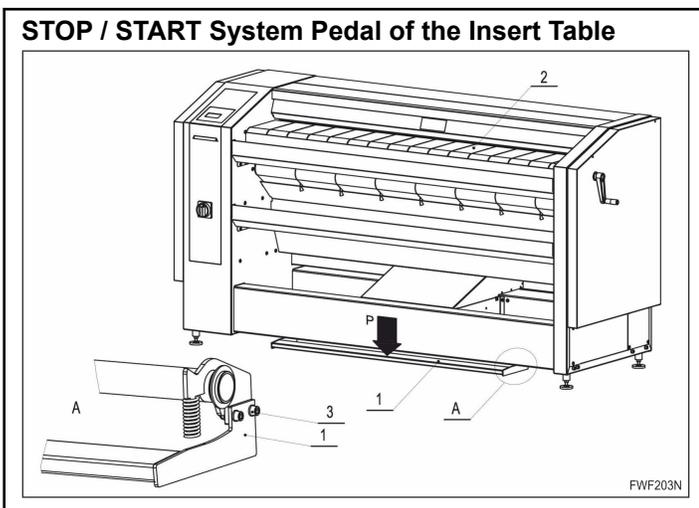


Figure 22

- The pedal is functioning only in case that the pedal function is enabled in the machine configuration - Refer to the Programming manual (Configuration menu).
- The pedal unit is delivered with the pedal disassembled in order to facilitate transport. The pedal (1) is fitted with the supplied screwed joints (3) to the pedal arms which are parts of the machine front support. The pedal shall be fitted after the machine installation - chapter Installation/Operation/Maintenance.
- The pedal for the insert table stop / start system (1) is used as auxiliary equipment which allows stopping, for a necessary time, then starting the movement of the feeding belts (2) of the insert table while the machinery is operating.

- The stopping of the feeding belts (2) for a necessary period of time allows the operator to spread and adjust the linen on the insert table before it enters the ironing machine.
- If the feeding belts (2) of the insert table are moving and a short activation of the pedal (1) in the direction (P) occurs the movement of the feeding belts (2) stops.
- If the feeding belts (2) of the insert table are not moving and a short activation of the pedal (1) in the direction (P) occurs and then the pedal is released immediately, the movement of the feeding belts (2) starts again.
- The pedal is disabled in the Cool down mode. If the insert table belts had been in the STOP state before entering the Cool down mode, they can be switched to the RUN state by pressing the foot pedal during the Cool down mode; then the pedal remains disabled, the insert table belts remain in the RUN state for the duration of the Cool down mode.
- The pedal is rendered non-functional during any error message.
 - If, during an error message, the table is in the STOP state, it is necessary to put it back to operation by pressing the pedal (1) as soon as possible. This can be done immediately after the error message has been erased by pressing the button – STOP.
 - When error message 1 is indicated, the insert table always stops operation.

OCS System - Checking of Cylinder Edges Overheating

- The OCS (Overheating check system) is a software functionality which, by means of two limit temperature sensors on the ironing cylinder, prevents exceeding the pre set ironing temperature on the cylinder sides where overheat may occur due to insufficient cooling down by the ironed linen (or due to a different reason).
- The temperature sensors of the OCS system are parts of the scrapers support bar.
- Activation of the OCS may influence the indicated ironer capacity.

Sensospeed® System *

- * It is a special accessory supplied on request – it is a part of certain machines only.
- Electronic system of automatic speed regulation in relation to the current cylinder temperature.
- The system may, based on the extent of regulation, influence the specified ironing capacity of the machine.

Emergency Stop of the Machine

- The machine may be stopped by pressing one of the emergency central stop button the main switch on the front left side of the machine or by pressing down the safety bar, if the safety or health of the operators is at risk *Safety Bar for Fingers Protection*.



WARNING

RESTART THE MACHINE OR REMOVE THE STUCK LINEN WITH THE HAND CRANK, REFER TO CHAPTER HAND CRANK, IMMEDIATELY UPON THE ELIMINATION OF THE CAUSE THAT STOPPED THE MACHINE. THEN COOL DOWN THE IRONING CYLINDER BELOW THE TEMPERATURE OF 176°F [80°C], FIRE HAZARD!

C038

Removal of Stuck Linen

- If the linen gets stuck inside the machine, turn off the machine using the main switch and use the crank to get the linen out.
 - For using the hand crank, refer to chapter *Hand Crank*.

Power Supply Cut



WARNING

WHEN THE TEMPERATURE OF THE IRONING CYLINDER IS ABOVE 176°F [80°C], THE IRONING CYLINDER MUST BE TURNED BY THE HAND CRANK, REFER TO CHAPTER HAND CRANK, COOL DOWN THE IRONING CYLINDER, FIRE HAZARD!

C115

- For using the hand crank, refer to chapter *Hand Crank*.
- The machine may be immediately activated when the power supply is restored.