1. INTRODUCTION

Please examine this manual carefully to run your steam boiler comfortably and long-term to have high efficiency and economical operation. For any delphic issue please get information about topic. Operation of the steam boiler should be conducted by a mechanical installation and electricity technician. Defective armatures or control elements must be replaced by identical parts. If you cannot find the identical product please take advice from our technical department for equivalent part.

2. GUARANTEE AND SERVICE

Your device is under the Meksis Inc. warranty for two years against to material and workmanship faults by comply with conditions of the declared rudiments, principles and warnings specified in the user guide. Mounted burner on the boiler is not our manufactured product. To avoid possible service problems please consult to burner manufacturer for guarantee.

3. THE BASIC WORKING PRINCIPLES OF THE SYSTEM

Steam boiler generates steam by burning fuel depending on the assembled fuel burner (or heater device). All necessary equipment and hardware is available on the boiler to provide fully automated working mode of burner and other accessories. Inside the tank, water level checked with water level regulator, pressure checked with pressure switch. Crude water connected to crude water pipe, will pass through water purification device and pump into condense tank to meet lost water of the system. Condense returns accumulates in the condense tank and distilled water will feed back automatically into boiler through boiler feed pump. To protect the system against to over pressure on the boiler, we have one springly and one weighted two different mechanical safety valves. Moreover, for low water level and high pressure danger we have sound and light alarm system on the boiler panel and they designed to stop burner’s working mechanism.

4. PRELIMINARY OPERATION PREPARATIONS

   a) To receive expected economical and technical services from system, technical personnel should be handle the operation of boiler starting from first day onwards. Steam installation
and working conditions should be conformable to steam installation regulations and operation conditions.

b) Before being burned, all the armatures and devices on the boiler and installation should be controlled and they must be in good running condition. Any detected fault must be repaired and corrected. In the risk of freezing area, water feed line and linked places should be controlled carefully and if necessary should go to the heating path.

c) By giving water from the raw water line to the water liquidation, bring water liquidation to soft water position. (Normally liquidation device settings are fixed, so you do not need to adjust water purification. In case of adjusting the water purifier, please review the attached file for instructions to use the water liquidation device). Fill soften water into condense tank. After filling the tank, by running one of the (number 1 or 2) condense pump (Only running pump’s input /output valve will be opened and other pump’s valves will be kept closed). By keeping open air discharge valve, fill up steam boiler with water at the level of liquid level regulator. If boiler have single pump, open exist pumps in / out valves.

d) While filling water into boiler, switch off alarm and burner starter switch on the electricity board. Consequently burner and alarm siren sound system will be shut down and they will be not functional. After completing water filling process, all these switches must be opened.

e) Before running the burner check the fuel tank’s fullness (Depending on the type of fuel, tank fuel can be gas line or electricity) and open fuel input / output valves.

f) If steam will be moving to a certain point with a single line, make direct connection to steam valve. Otherwise, depending on the steam distribution make one collector and ensure steam dispersal from this collector. Subject connections should be done to avoid possible load (due to static or thermal enlargement) coming from steam line on to boiler.

5. FINAL OPERATION CONTROLS.

a) Feed water line condense tank should be full.

b) Water inside the boiler must have reached to normal levels.

c) Steam output valve must be kept closed.

d) All valves on the boiler should be switched off.

e) Pressostat settings should be checked, if they set according to operating pressure.

f) It should be controlled that on the boiler all valves are closed tightly.

g) While water is filling into boiler, boiler air intake valve should be kept open to prevent air compression. When boiler filled up, this valve will be closed.

h) Ideal water hardness (values) to be used in the boiler;

   - Total hardness less then1–2 FSB,
   - Oil Level, Less Then 2 mg/l,
   - Oxygen, Less Then 0,005 mg/l,
   - Total Iron, Less Then 0,005 mg/l,
   - Total Carbon Dioxide, Less Then 20 mg/l,
   - Silicate, S 1O2, As Low As Possible
   - pH Value Should be Between 7–9.5

Water values occasionally should be analyzed by authorized or specialized establishments. To bring the water values above declared levels get some technical support from serious establishments.
Water liquidation device should be operated according to operating instructions manual.

Sometimes water hardness should be checked by taking water samples. If device will use at the wrong place and incorrect way, steam boiler and control devices will be malfunctioned due to calcification and blocking. Calcification of control devices will crate considerable danger for steam boiler and it might cause a fire due to clogged pipes.

6) **HOW TO PUT STEAM BOILER INTO OPERATION**

Before then operating steam boiler;

a) The water level of boiler should be checked. If necessary, by pressing a button on the feed water contactor add some water.
b) Checked the fuel line connections installments made towards to burner. If there are errors should be corrected.
c) Checked supply voltage and frequency of your electrical installation is in accordance with standards and grounding the control lines connected necessarily.
d) Checked the manometer’s function. Start the burner and put condense pump in automatic position.
e) If closed-circuit steam installations system has been tested with water previously make sure there is no water in the system.
f) Until boiler starts to produce steam, keep air release valve slightly open and little steam exit can be seen. Thereby remaining air in the system will be discharged. Valve will closed and when the system reaches to operating pressure it will start to work automatically and effect will be observed.

When boiler riches to desired pressure, firstly out put valve, after if they are exist valves on the collector will open very slowly and diligently to supply steam to installation.

**NOT:** Absolutely do not quickly open and close the steam valves. Otherwise formed coach pulses will give serious problem to installation and will cause damage to your equipment.

7) **ISSUES TO BE CONSIDER DURING THE WORKING OF STEAM BOILER**

a) At the run time water level of boiler should be observed occasionally.
b) Pressures on the manometers should be controlled and in case of abnormality system should be stopped.
c) The safety valves should be opened once each week and clean against to lime coating that prevents operation of the mechanism.
d) Dregs and mud may accumulate at the bottom of boiler. In this regard, the boiler’s pressure will drop to 0,5 atu and cumulated residue will be taken from bluff valve.

ATTENTION: To clean bluff valve, minimum steam production period of boiler should be preferred.
Collector set should bluff every day by opening G3, K, T3 valves. Separately T1, T2 and T3 valves positions should be change to clean the water level regulator by steam. Same process should be applied for water level indicator through G1, G2 and G3 valves.

8) HOW TO SHUT OFF THE STEAM BOILER

The power on-off switch of the burner on the steam boiler board will set to off position.

If boiler will be discontinued long time;
- Cut system power completely. Stick in a robust manner necessary warning “note” on to switch placed at the control unit and cuts off the power regarding to “not turn on electricity”.
- Open the boiler air valve to empty water in side the boiler from boiler discharge valve.
- Discharge the water inside the collector by opening collector discharge valves where boiler water level regulator and water level indicator placed.
- Discharge the water inside the feed pump and in connected line.
- Discharge the water inside the condense tank.

9) POSSIBLE FAILURES AND TROUBLE SHOOTING

If you see “Hot Funnel” warning;
1) Burner combustion is out of focus. Adjust it.
2) Boiler flame pipes are contaminated. Clean them.
3) Flue gas thermostat is defective. Replace
4) Funnel is dirty or blocked. Clean it.

If you see “Insufficient Water Level” or “No Water” warnings;

a) No water in the condense tank. Add water.
b) There is air inside the pump or defective. Repair it.
c) There is dirt at the valves mouths. Clean it.
d) Inside the clipboard pump control elements are defective. Change them or repair.
e) Control elements inside the liquid level device out of adjustment or not operational. Change them.
f) There is excessive use of steam; feed pump can not pump sufficient water. Adjust steam utilizing or throttle valves.
g) The water level safety electrode on the collector contaminated. Disassemble and clean.
h) The level safety electrode on the collector contaminated due to calcification and is not detecting water level. Require chemical cleaning.
i) Liquid level safety relay in side the electricity panel is not working. Change it.

The system stops before the desired pressure

a) Operating pressostat needs adjustment. Adjust it.
b) Flue gas thermostat is on safe position or need adjustment. Check it and adjust.
c) There might be a problem on the burner.

System Gives Alarm;

a) Operating pressostat is not functioning. Change.
b) There is not enough water inside the boiler. Check water supply lines. Take account warnings on the warning panel.
c) If the short-term alarm is ringing; liquid level regulator needs adjustment. Adjust it. Water feed pump is not pumping enough water, may use excessive steam.
d) If the check valve on the feed water line kept dirt, then water will escape back. Clean it.
e) Safety valve has set in and boiler not functioning. Processing valve pressure adjustment is higher then safety valve pressure adjustment. Adjust it.
f) Flue gas exit temperature has risen.

Noise Coming From the Condense Tank;

If check valve positioned on the feed water line escapes back, it means condense tank receives steam, clean it or change it. In this situation, there might be some air inside the pump. Take air.

System and pump do not set in to operation automatically;

Sparking plugs checks the safety level might be not detecting water or water level did not rise up to safety level (standard minimum level) so level controller device might not send command signal to system. You may come across with this event in first operation or when you completely discharge water. In these cases operate feed pump manually up to safety level and later put in automatic position and system will continue operation.

10) GENERAL WARNINGS AND PRECAUTIONS
If boiler’s water is completely discharged, water feed pump will not set in operation automatically due to safety electrodes insensitivity for water. In this case, until system set in automatic mode, feed pump contactor will operate manually. When water level riches the level of these electrodes, system will set in automatic mode and will continue to pump water.

Absolutely do not quickly open and close the steam valves. Otherwise formed coach pulses will give serious problem to installation and will cause damage to your equipment.

Do not operate steam boiler over designed manufacturing pressure. Metal sticker on the boiler declares operating pressure.

Do not operate boiler with hard water. Water softener must be used.

Make regular maintenance of your generator.

Follow operation and working performance of boiler regularly and incase of problem get technical support.

11) WATER PURIFICATION EQUIPMENT
LOGIX 255 / 740
INSTALLATION AND SERVICE INSTRUCTION

1. LOCATION SELECTION

Below fallowing factors should be considered while determining placement of water purification system.
- Install the system close to drainage line.
- If you need additional water treatment equipment, make sure you have sufficient additional space. Salt tank should be positioned at accessible place to add salt in to tank.
- Do not place device at places where temperature fall below 10°C or above 49°C.
- Do not install system close to acidic media or where acid fumes exist.
- System should not contact with chemical elements.

2. WATER LINE CONECTION

Installations done with global valves are listed below.

- **INLET VALVE OPEN**
  - OUTPUT VALVE OPEN
  - BYPASS VALVE CLOSE

- **INLET VALVE CLOSE**
  - OUTPUT VALVE CLOSE
  - BYPASS VALVE OPEN
3. Drainage lines connection

Drainage lines will discharge water and salt during the regeneration. Typically drainage line will connect to the ground or the bathroom drainage line. Drainage line connection between end of the drainage line and water outlet pipe should be done by leaving 3-5 cm air space.

ATTENTION

Never connect drainage line in to sewage and waste water pipe. Always live air gap between drainage line and outlet pipe. Otherwise flushed dirty water can enter into system by opposite siphon effect.
When first initial electricity provided:
- Cam shaft will turn automatically until service position.
- This rotation process may take 1 – 2 minutes. Meanwhile, “Err 3” phrase will appear on the display.

PROGRAMMING UNIT:
1- System Selection;
   - Enter system volume (the volume of resin) as a liter.
   - Use the up and down arrow key to select nearest resin volume to your device.
   - If you are going to make the choice of filter device, find the F phrase by using the down arrow key below the screen.
- By pressing the SET key enter the chosen volume in to program

2- Setting time of the day;

- "12:00" phrase will flash on the display
- Using the up and down arrow keys, enter the time of the day
- On the screen, PM (Post Meridian) expression indicating the afternoon will appear. The expression of AM (Ante Meridian) indicating the morning hours will not appear.
- By pressing the SET key enter the time of the day in to the program.

3- Programming day of the week;

- Day of the week will appear on the screen.
- When you press SET, indicator stands under the SUNDAY will starts blinking.
- Use the up and down arrow key to bring indicator on to day of the week
- By pressing the SET key enter to the program of the week.

4- Programming regeneration time;

- Determine the regeneration time.
- 2:00 AM on the unit is factory set.
- To change the time, press the SET. The screen will flash.
- Using the up and down arrow keys, enter the regeneration time.
- Press the SET key to enter the regeneration time in to the program.
5- Programming the regeneration period;
- Determine the washing interval of the unit. (Washing frequency)
- Fabrication set value is 3 days.
- Wash range can be set between 0.5 - 99 days
- By pressing the SET key washing interval can be changed. The number on the display will start to blink.
- Using the up and down arrow keys desired period of regeneration can be entered.
- By pressing the SET key regeneration period can be entered into the program.

To make regeneration on certain days;
- Enter the wash range of unit as “0” zero.
- Press the SET button.

6- Programming salt settings
- Set salt setting to be used
- Fabrication set is “S”.
- There are 3 different salts settings.
  - High salt
  This setting will provide highest possible capacity to the hardware in this resin volume. Will be use in hyper high hardness applications. This application will use minimum water amount in one year, because it usually requires less regeneration. This setting is indicated by “H”. Will spends about 200 grams salt for 1 liter resin.
  - Standard salt
  This is the default setting for the control equipment. This setting is indicated by “S”. Will spends about 120 grams salt for 1 liter resin.
  - Low salt
  This setting is designed to give maximum salt usage activity to your equipment. This setting is shown by “L”. Will spends 40 gr salts for 1 liter resin.
- To change salt setting press SET button. Phrase will blink
- By using the up and down arrow keys you will have the desired ratio of salt.
- By pressing the SET key selected salt ratio will entered into the program.

** “Set value” at the salt setting section of the units used as the filter units is reverse washing time and factory setting is 14 minutes.

MANUAL REGENERATION PROCESS

- Press and hold REGEN button 5 second. The system will automatically start regeneration.
- “Cycle” arrow will appear on the screen.
- After the start of regeneration, if you press the REGEN button and hold 5 second again, “X2” phrase will appear. This expression means that units will do regeneration two times in quick succession.

During the regeneration showings on the screen,

- On the screen, a “figure” will appear with the “C” expression to indicate stage/phase of the regeneration process.
- Total washing time (in minutes)
- When SET button is pressed, the minutes left to end for current phase of the regeneration will appear as a figure.

During the washing, by pressing to “SET” and “Up Arrow” key simultaneously will move to next washing stage.

During the washing time, if you press and hold “SET” and “Up Arrow” key 5 second, regeneration will cancel. Hourglass appearing on the screen will flashes. Camshaft turns and comes to service position.

Regeneration Steps:

C0 = Purified water - normal operating mode
C1 = Reverse washing
C2 = Regenerate absorption (not usable in filter mode)
C3 = Slow wash (not usable in filter mode)
C4 = System downtime
C5 = Quick washing cycle 1
C6 = Wash back cycle 2 (not usable in filter mode)
C7 = Quick washing cycle 2 (not usable in filter mode)
C8 = Filling back to the salt container (not usable in filter mode)
UNIT READJUSTMENT

How to reset the program of the valve.

- Press and hold 5 seconds “SET” and “Down Arrow” key
  - “H0” will appear on the screen. The program you have entered into unit will appear on the screen. (Resin volume in softening unit; at filter units F)
  - If you want to change the program, press SET button for 5 seconds.
  - 3 lines will appear on the screen. The device will be ready for selection of the new units.

UNIT OPERATION

PS: Control valves, control equipment can be started even if there is not enough energy yet. Valve must be connected to the water inlet. Engine can be removed from valve cycle and the camshaft can be rotated clockwise by hand. This application will fill the tank and test the regeneration traction.

Remove the valve cover (if the cover is placed new). Removing the valve cover, will help you to see rotation of the “camshaft” and its cycle position.

If water input is still closed for the system, bring the bypass (crossover-bypass) valve to “non-bypass” (normal operating) position.

Press and hold “REGEN” button on the control panel for 5 seconds. This process will start manual regeneration. Control arrangements will indicate turning of the engine cam shaft towards to C1 position by the blinking hourglass. Control arrangements, shows the remaining total regeneration time.

Fill the mineral tank with water.

— While control mechanism in the C1 cycle, slowly open water inlet valve approximately ¼ open positions.

WARNING: If you open too fast or too much, it might escaped from the mineral tank to the valve or into piping. At ¼ open positions, you can hear the air escape from the valve discharge line.

- After all the air taken from the mineral tank (water begins to flow slowly from the empty line), open the input valve completely. This application will empty remaining air in the tank.

- Let water run from the drainage line until clean water flows. This application will allow to cleaning mineral bed.

- Close the input valve again.

Bring the unit to rapid cleaning position (C5) from the reverse washing position.

- When unit is at C2 position, press “SET” and “Top Arrow” keys same time. So unit will jump to the next washing step. When hourglass appears on the screen, it means cam shaft is turning.

- When the hourglass on the screen disappears, press the “SET” and “Upper Arrow” keys at the same time to go to the next washing step. Repeat the process until “C5” appears on the screen.
Let mineral tank do rinsing.

- When control arrangements in C5 conversion, slowly open inlet valve approximately ¼ open positions.

WARNING: If you open too fast or too much, it might escaped from the mineral tank to the valve or into piping. At ¼ open positions, you can hear the air escape from the valve discharge line.

- After all the air taken from the mineral tank (water begins to flow slowly from the empty line), open the input valve completely. This application will empty remaining air in the tank.

- Let water run from the drainage line until clean water flows. This application will allow to cleaning mineral bed.

Bring the unit to the C0 position. (Using the SET and the upper arrow keys)

Finally, open the installation tap positioned after the water purifier. Keep tap running until the water flows clear.

LOGIX TROUBLESHOOTING GUIDE

FOR CONTROL PANEL:

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<tr>
<th>PROBLEM</th>
<th>REASON</th>
<th>SOLUTION</th>
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</thead>
<tbody>
<tr>
<td>ERR 1 Error message.</td>
<td>Control panel connected to electricity and can not determine the position.</td>
<td>Reset the panel by holding the up-arrow key.</td>
</tr>
<tr>
<td>ERR 2 Error message.</td>
<td>Power supply of panel is not 50 or 60 Hz.</td>
<td>Disconnect/connect plug electrical connections. If error is still on, plug the AC adapter.</td>
</tr>
<tr>
<td>ERR 3 Error message.</td>
<td>The control panel can not find the position of cam shaft. Cam shaft will return to find the service position.</td>
<td>Wait 2 minutes to find service position. Hourglass will blink on the screen.</td>
</tr>
<tr>
<td></td>
<td>Cam shaft does not return at ERR 3 position.</td>
<td>Check the Motor connection. Check the optical sensor and the connections. Change necessary ones.</td>
</tr>
<tr>
<td></td>
<td>Cam shaft turns more than 5 minutes to find the service position.</td>
<td>Check Optical sensor and the connections. Check Cam shaft connection. Check the cleanliness of Cam space.</td>
</tr>
<tr>
<td>On the screen 4 lines appearing.</td>
<td>Electricity was cut off. (More than 8 hours).</td>
<td>Schedule the time of day.</td>
</tr>
</tbody>
</table>

PS: When switching to another cycle from progressing one, small delay might occur. Hourglass icon will lit when cam shaft places it self. In cycle C4 (System Downtime) system might stop. This cycle allows synchronizing of valve discs before water / air pressure moving. Hour glass will be lost in the display to indicate the system is stopped.
# Related to System:

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<th>Reason</th>
<th>Solution</th>
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<td>a. Uncontrolled salt tank filling rate.</td>
<td>a. Remove refill, clear the ball.</td>
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<td></td>
<td>b. There is air in the Salt suction line.</td>
<td>b. Check the salt line connection.</td>
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<td>c. Clear Drainage lines</td>
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<td>There is dirt at flapper.</td>
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<td>a. Faulty regeneration.</td>
<td>a. After checking salt rate regenerate again.</td>
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<td>b. By-pass line has leaks.</td>
<td>b. Change By-pass valve.</td>
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<td>a. Low water pressure.</td>
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<td>b. Drainage line is clogged.</td>
<td>b. Resolve obstructive.</td>
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<td>c. Ejector clogged.</td>
<td>c. Clean Ejector.</td>
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<td></td>
<td>e. The valve disc 2 or 3 does not close.</td>
<td>e. Clear the substance on the valve disc.</td>
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<td></td>
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<td>a. Open and close the valve disc manually to remove pollution away.</td>
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<td>b. Check all the connection points on the salt water suction line.</td>
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<td></td>
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<tr>
<td>- Hobart AM-5 model</td>
<td>0.7</td>
<td></td>
</tr>
<tr>
<td>- Dishwashing machine</td>
<td>1 – 1.4</td>
<td>27 – 31</td>
</tr>
<tr>
<td>HOSPITAL EQUIPMENT</td>
<td>3 – 3.5</td>
<td></td>
</tr>
<tr>
<td>- Distillation, water distillation for 455 liters</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>- Sterilization, bed tray</td>
<td>1.4</td>
<td></td>
</tr>
<tr>
<td>- Sterilization, clothes for every 254 mm</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>- Sterilization, instruments for the volume of 2.5 m$^2$</td>
<td></td>
<td>1.4</td>
</tr>
<tr>
<td>- Sterilization, water, for every 45.5 liters water</td>
<td></td>
<td>2.7</td>
</tr>
<tr>
<td>DOUBLE DOORS, DISINFECTION FURNACES</td>
<td>3.3.5</td>
<td></td>
</tr>
<tr>
<td>- Volume up to 14 m$^3$ each 0.3 m$^3$</td>
<td></td>
<td>13</td>
</tr>
<tr>
<td>- Between 14 m$^3$ – 28 m$^3$ volume for each 0.3 m$^3$</td>
<td></td>
<td>9.5</td>
</tr>
<tr>
<td>- Volume of 28 m$^3$ and over, for each 0.3 m$^3$</td>
<td></td>
<td>7.3</td>
</tr>
</tbody>
</table>
**WITHOUT PRESSURE TYPE STERILIZER**

- For bottles and pasteurization
  - To provide boiling of water by the starting temperature of 21°C during 20 minutes at the depth of 76 mm.

**FOR STERILIZATION OF INSTRUMENTS AND CAP**

- To provide boiling to water at the temperature of 20°C for 20 minutes
  - Depth 31/2” measurement 8 x 9 x 18”
  - Depth 31/2” measurement 9 x 20 x 10”
  - Depth 4” measurement 10 x 12 x 22”
  - Depth 4” measurement 12 x 16 x 24”
  - Depth 4” measurement 10 x 12 x 36”
  - Depth 10” measurement 16 x 15 x 20”
  - Depth 10” measurement 20 x 20 x 24”

**HOUSEHOLD LAUNDRY EQUIPMENT**

- For every 45.5 liters vacuum distillation
  - Pants tension and press iron
  - Last iron, ironing model, each
  - To end with the air vacuum tray, 18” distillation wood
  - Hand steam press

<table>
<thead>
<tr>
<th>IRONS</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Cylinder iron, 1 cylinder 48 x 120”</td>
<td>112</td>
<td>150</td>
</tr>
<tr>
<td>- Cylinder iron, 2 cylinder 48 x 120”</td>
<td>141</td>
<td>200</td>
</tr>
<tr>
<td>- Cylinder iron, 4 cylinder 100x 120”</td>
<td>98</td>
<td>125</td>
</tr>
<tr>
<td>- Cylinder iron, 6 cylinder 100x 120”</td>
<td>154</td>
<td>200</td>
</tr>
<tr>
<td>- Cylinder iron, 8 cylinder 100x 120”</td>
<td>211</td>
<td>250</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SHIRT MACHINES</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>- with a single headline, collar, size 3 for each shirt</td>
<td>3</td>
</tr>
<tr>
<td>- Double Layer</td>
<td>6</td>
</tr>
<tr>
<td>- Body</td>
<td>13</td>
</tr>
</tbody>
</table>

**DRYING ROOMS**

- Blanket
- Conveyor, for each turn, approximately
- Curtain 50 x 114 |
- Curtain 64 x 130 |
- For every 45.5 liters capacity stiffening cooker

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
12. FORMS

Boiler label information

Type:

Capacity: kg/h

Serial Number:

Test Pressure: bar

Construction Pressure bar

Operation Pressure: bar

Fuel Type:

Production Date:

Manufacturer Company: MEKSIŞ A.Ş.

Address of Manufacturer Company: Sincan Ind. Zone, 3th Str. No:97, Sincan / Ankara / TURKEY
# STEAM BOILER SERVICE FORM

**Date**

<table>
<thead>
<tr>
<th>Customer Information (Address, Phone, Fax, E-Mail) :</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Assembler Company:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Boiler Capacity:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Test Pressure:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Construction Pressure:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Operating Pressure:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Serial Number:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Boiler Type and Model:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Burner Type and Model:</th>
</tr>
</thead>
</table>

Yes  No

- Boiler Assembling Completed
- Chimney Connection Completed
- Water Connection Completed
- Are You Using Artesian Well Water
- Electricity Connection Completed
- Electricity Supply Line Suitable
- Electric Land Line Links Suitable
- Fuel Connection Completed
- Is Salt Taken from Water Purification Device
- Is Fuel Taken
- Do You Have a Physical Disorder in the Boiler Armatures?
- Is Steam Equipment Suitable
- Do you have a technical personnel to Operate Boiler
- Is Boiler Room Ventilation Suitable

<table>
<thead>
<tr>
<th>Who Put into Service</th>
<th>Customer</th>
<th>Customer Technical Personnel</th>
</tr>
</thead>
</table>

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