

EDA / Firbimatic Machine
Installation, Start Up, & Training Check Lists
EcoGreen Advance

Store Name: _____ Phone: _____

Address: _____

City: _____ State: _____ Zip: _____

Contact Person: Name _____ Title _____

Machine: Model _____ Serial # _____

Computer: Type _____ Software Version _____

Dry cleaning equipment distributors have recognized for many years that a quality installation, a good start up and a thorough customer training effort have paid large dividends.

The rewards of performing these jobs well are many and obvious.

- 1 – Less trouble with a smoother running machine.
- 2 – Fewer, if any, immediate call back service problems.
- 3 – A happy customer. One who is willing to tell his fellow dry cleaners the Great experience he has had with your company.

In an effort to assist our customers, you the distributors, we at EDA / Firbimatic have prepared the following three lists.

An Installation Check List

A Start Up Check List

A Training Check List

These lists cover the items we recommend be checked. They cover the manufacturer's specifications as well as our own experience in the field assisting our distributors and their customers.

We can assure you that if you take the time to go over each of the items and follow through with the proper installation, start up and customer training you will not only save time and money but will have a satisfied customer and a good future reference.

Installation Check List

General:

- How thick is the concrete slab under the machine? _____
- Is the machine perfectly level? _____
- Is the machine properly grouted? _____
- Is the machine bolted and grouted directly to the concrete floor? _____
- Is there at least three feet of space to work in behind the machine? _____
- Is there at least three feet of free space on each side of the machine? _____

Electrical:

- What voltage is supplying the machine? _____
- What is the amperage of the circuit breaker? _____
- Is the low voltage transformer set properly? _____
- Is the machine properly grounded? _____
- Is the rotation of the following motors correct?
- Pump motor: _____
 - Main fan motor: _____
 - Spin Filter One motor: _____
 - Vacuum Pump motor: _____

Air Supply:

- What is the air pressure to the machine? _____ PSI
- Is there a shut off valve just before the filter, regulator and lubricator? _____

Steam:

- Do not install a steam line bypassing the regulator to the still.
- What is the dimension of the steam inlet line? _____
- What is the dimension of the steam return line? _____
- Is there a pressure regulator and gauge on the steam line? _____
- Are there shut off valves in an easy to reach position? _____

Water Supply:

- Are the water lines made of copper or galvanized iron? _____
- What is the dimension of the water inlet line? _____
- What is the dimension of the water outlet line? _____
- What supplies the cooling water? _____
- Is the water pressure adequate? _____ PSI
- Are there temperature gauges on the inlet and outlet water lines? _____

Start Up Check List

General

Check the following items:

- 1 – Are all carbon filters in the all carbon housings? _____
- 2 – Are the all carbon manual drain valve(s) closed? _____
- 3 – Is the clean solvent from the water separator going tank 3? _____
- 4 – Is there sufficient solvent to fill the tanks & filters? _____
- 5 – Has the air been bled off the all carbon filters? _____
- 6 - Are the recovery head lint filters in place correctly? _____
- 7 - Is the button trap lint basket in place? _____
- 8 - Is the soap pump air valve wiper in the up position? _____
- 9 - Is the soap pump calibrated to dispense correct amount? _____
- 10 - Is the soap pump suction tube attached to the soap drum? _____
- 11 - Is the pump delay set at 3 seconds? _____
- 12 – Is the separator water sensor clean and sanded? _____

Electrical

- 1 – Open the electrical panel and check for loose connections. OK? _____
- 2 – Is the transformer 24 volt output matched to incoming voltage? _____
- 3 – Check the thermal overload setting for all the motors. OK? _____
- 4 – Check rotation of all the motors. OK? _____
- 5 – Check amperage readings on motors if necessary.

Air Supply

- 1 – Is the pressure regulator set to deliver 90 – 100 PSI? _____
- 2 – Check for & fix any air leaks. OK? _____

Digital Temperature Settings

- Still Water Control 77F _____
- Air In 185F _____
- Drum Out 158F _____
- Drum Cooling 90F _____
- Solvent Cooling 109F _____

Steam Supply

- Start distillation and dry
- Is this regulator set at 60 PSI when flowing? _____

The steam line feeding the still should have it's own metering valve. The best way to achieve Fast & Safe distillation is to properly regulate the steam flowing to the still. With solvent in the still turn on the still and proceed as follows:

- 1 – Initially close metering valve. Open 1 turn.
- 2 – Watch the distillation rate closely.
- 3 – Adjust valve as needed ¼ turn for proper solvent recovery.

Water Supply to the Still Condenser

- 1 - Initially set this water modulating valve to 2 – 2 ½ on the valve indicator. The

final setting will depend on the temperature of the water supply.
2 – During full distillation what is the setting on the valve? _____

Water Supply to the Refrigeration Condenser (freon cooling tank)

1 – With the refrigeration unit running adjust the water modulating valve so that
The high pressure gauge reads 18-19 Bar for the entire recovery cycle.

<u>Recovery Cycle</u>	<u>High Pressure gauge</u>	<u>Low Pressure gauge</u>
Drying	21 Bar	5 - 5 ½ Bar
Cool Down	21 Bar	3 – 3 ½ Bar
Deodorization	15 Bar	2 – 2 ½ Bar

1 – Are the gauges reading within the above settings? _____

Notes: With distillation and drying taking place at the same time the water outlet temperature gauge should not go above 110 degrees F.

Start Up Training

Has the customer been instructed and have a good understanding of the following items.

- 1 – Cleaning the air filters each load? _____
- 2 – Cleaning the button trap each load? _____
- 3 – Draining the air line separator every day? _____
- 4 – Taking apart and washing the foam filter weekly? _____
- 5 – Cleaning the water separators when necessary? _____
- 6 – When to run the good morning program? _____
- 7 – To run the clean filter program every 20-25 loads? _____
- 8 – Does the customer know how to open the doors? _____
- 9– Selecting and starting an automatic program? _____
- 10– Operating the machine manually? _____
- 11- Operation of the Temperature Control? _____

Is the door open delay set at 30 seconds? _____

Has the customer been provided a full set of manuals? _____

Signature of the Customer: _____

Signature of the Technician: _____

Date: _____

Please provide EDA/Firbimatic with a copy of the completed 4 page start up report.