



IR Roaster Series Destoner

Installation and Operation Manual

2016

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PREFACE

Congratulations on the purchase of a Diedrich destoner. Your destoner was manufactured with the best materials and finest craftsmanship in order to provide years of trouble free operation. The destoner went through a rigorous quality control check and was thoroughly tested at the factory before shipping.

The same important safeguards listed in your roaster's operations manual also apply to your destoner. Please review these safeguards before operating your destoner for the first time and periodically thereafter for continued safe operation.

Your destoner must be adjusted as needed for different coffees. The IR series destoner has a flow adjustment by means of a slide gate.

If you have any questions on the operation, adjustments, or require other technical support on your roaster or ancillary equipment, please contact Diedrich Roasters, LLC 208-255-7033.

1.0 ELECTRICAL INSTALLATION

The destoner can be ordered in two different models.

1. Standalone - The standalone model plugs directly into a wall outlet. The 120 volt version requires a dedicated 20 amp circuit. The 220 volt version requires a dedicated 15 amp circuit.
2. Automated - This model plugs into the electrical panel on the automated roaster. It requires a dedicated circuit separate from the power needed to run the roaster. The 120 volt version requires a dedicated 20 amp circuit. The 220 volt version requires a dedicated 15 amp circuit. The incoming electrical connections are made in the 6" by 6" electrical box located on the back of the roaster.

2.0 OPERATING

1. Turn on your destoner. For manual roasters; utilize the on/off switch on the side of the destoner. Roasters equipped with the automation utilize the "Destoner" button on the automation screen
2. Pour coffee into the receiver bin. The destoner will vacuum the coffee into the upper bin.
3. Position a bucket or a container under the destoner chute and pull the slide gate door open to let the coffee out of the upper bin.
4. After destoning your roasted coffee, turn the destoner off and empty the destoner trap of any foreign material. To do this, open the spring loaded door at the bottom of your destoner and remove the contents.



3.0 ADJUSTMENT

Note: Before attempting any adjustments; mark the current factory settings with a felt-tip pen. This simple precaution will allow you to quickly return to the factory settings if needed.

Adjust the vertical slide gate (located in the destoner chute) until the flow of coffee into the chute is approximately one layer of beans. Closing the chute too much will cause coffee not to flow in to the air stream. A chute adjusted too far open will leave too much coffee in the trap. Darker roasts cause the coffee bean size to expand which may require the gate to be opened more than light roasts.



For the best results a few beans will be left behind in the in the spring loaded door at the bottom of the destoner, see the figure below.



At the factory every destoner is tested. Below is an example of the test material used in the factory tests. Under roasted coffee has been used in the tests alone along with a series of stones to test the performance of each destoner.



4.0 MAINTENANCE

The destoner is fairly maintenance free. The exhaust of the vacuum motor has a plastic muffler and sock filter assembly attached to it. The muffler and filters are available through Diedrich Technical Support department. Support can be reached by phone at 208-255-7033 or by email at support@diedrichroasters.com.