

# OPERATING INSTRUCTIONS

## 3648G



DENRAY MACHINE	
(800) 766-8263	
MODEL NUMBER	3444B Super
SERIAL NUMBER	475389
MOTOR HP	3 AMP 15.0
VOLTAGE	220-1Ph / 60 Hz
FAN TYPE	18" Comfri Fan
MFG DATE	10/29/18
FILTER NUMBER	EO 5814
TABLE NUMBER	9017
SWITCH TYPE	A16S2 Overload TF42-29
<small>Light Bar--Spun Bond--HEPA Bank--Plastic Top 7" Vise ----0 Hp 18" Fan</small>	

**To find YOUR tables pertinent information please locate the table sticker on your table.**

\*Please note the image above is a "generic" table sticker for visual purposes only! The table sticker on your machine reflects how it left the manufacturer and does not reflect any after-market changes made by previous owners. If you have questions please call Denray Machine at (800) 766-8263.

## WARRANTY

This Machine is covered with a 12 month warranty. The warranty covers replacement parts, except filters and wooden top (if applicable). The only way Denray will cover the labor is the work must be done by Denray at Denray's Facility. The shipping must be provided by the customer (owner of the machine) both ways. You may contact the dealer you purchased the machine from, and discuss with them, the possibility of their assistance in helping to solve the problem in your facility. Denray assumes or accepts no responsibility more than the cost of the machine. In the case of repair Denray will determine either to fix or replace the product. Denray reserves the right to modify or change the design of this and any model of their machines, without changing or updating any previous manufactured machine. The warranty will not cover any damage done by fire or any other act of nature or if abuse or improper maintenance was or was not performed.

# Grinding Application

Never Allow Any Unauthorized or Untrained Person To Operate This Machine

Lockout and tagout any time maintenance is performed on this machine

**WARNING**  
**NEVER GRIND OR SAND ANY ALUMINUM OR MAGNESIUM PRODUCT ON THIS MACHINE**

Filters are the main need of maintenance, the cleaner the filters are kept the better the machine will perform. This machine is may be equipped with timers to clean the filter, every so many minutes a pulse of air will be released into the filter. The time between pulses are adjustable, refer to the electrical diagram. Warning if the time is reduced between pulses the filter may plug up reducing the machines performance. The filter can also be pulsed with the machine off, it may blow dust back into the work area, so caution should be used here, pulse the machine then turn machine on to pull dust back into the filter. The manual push buttons are the black and white buttons on the switch panel door. Push one button wait 10 seconds before pulsing again so tank can refill again. This manual procedure needs to be done 3-5 times per hour if the machine is not equipped with timers to activate



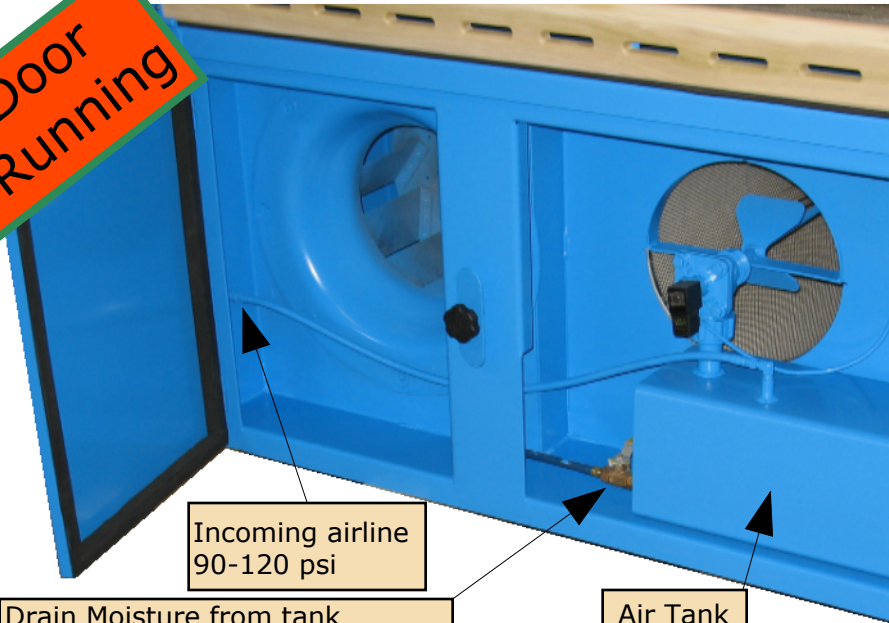
The filters will clean better with machine off, you may shut machine off and before it slows down to a complete stop, pulse the filter and allow the fan to prevent the dust from exiting the filter compartment. Filter replacement number is on the inside of the filter door. Be sure to replace with same type of filter or a filter made of polyester media.

The water pan is designed to hold a small amount of water to help extinguish hot sparks and cinders to help prevent filter fires. The air passes over the water, HEAVY sparks will fall to the water pan, it is very essential to keep from 1/4-1/2" water in the pan. What does not stop into the pan will flow down the second baffle past half way down of the filter, before it can become in contact with the filter.

Dust Drawer Clean regularly, as needed

# Generic Machine Info

**Never Open Any Door While Machine Is Running**

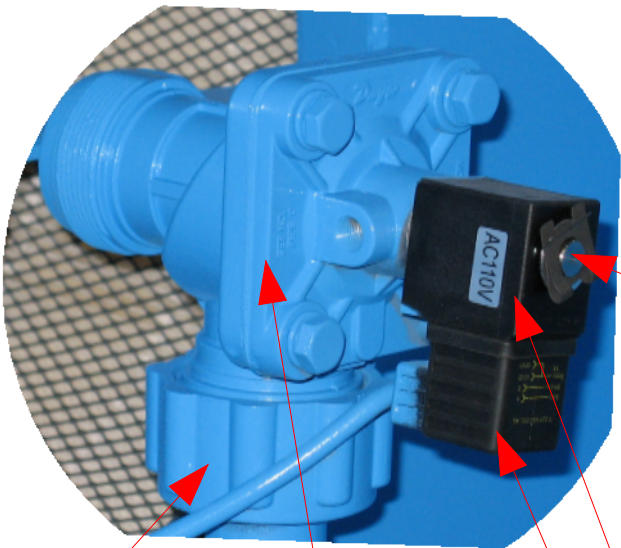


Incoming airline  
90-120 psi

Drain Moisture from tank  
daily, and provide clean dry  
air from factory compressed air

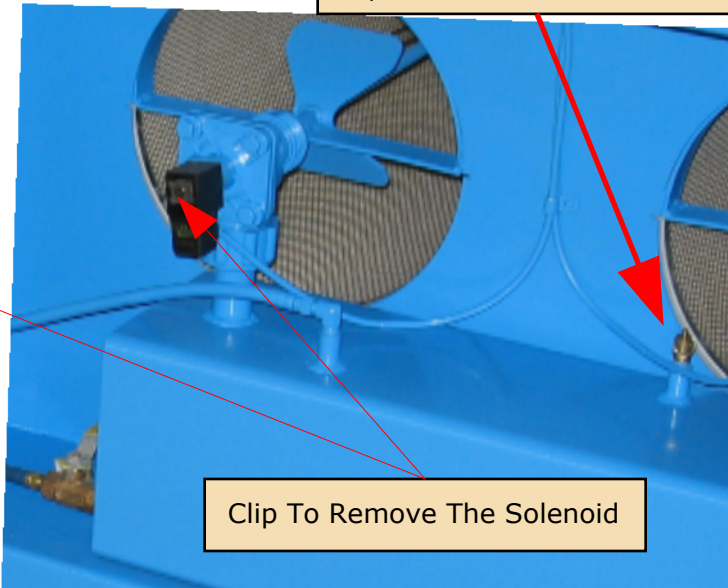
Air Tank

150 PSI Pressure relief valve, 1/4"  
NPT Male, if you have air leaking  
from the tank area, this is the  
1st place to check.



Valve to release air into the  
filters to clean them

Compression nut that holds valve  
to the tank. Always apply a small  
amount of either grease or oil to  
the threads when reassembling to  
the tank.



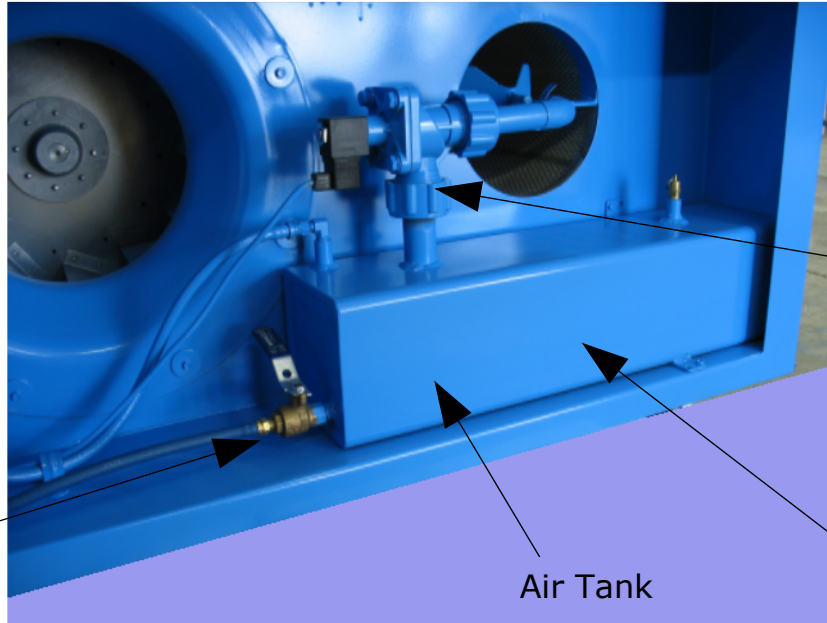
Clip To Remove The Solenoid

Solenoid to activate the valve 120 Volts

Electrical Plug that screws on the solenoid by one screw

# Back Side

The Tank Drain needs to be drained daily. No need to drain the air to drain. Just crack open the valve and the air will push out the moisture in the tank.



Filter cleaning Valve 115 Volt Dryer Brand

150 psi Pressure relief valve 1/4" Male pipe thread

Air Tank

## Switch And Magnehelic Gauge



Optional

Machine off

Machine on

Motor reset button

Manual Filter Clean Button can be pushed at anytime when machine is or is not running

Compare the needle on the dial to this reading. The blue is normal operating range, the red is the range where filter needs to be removed and given a deep cleaning with a blow nozzle blowing from the inside out.