



# Instruction Manual

Insulation blowing machine

*Original Language – English*

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*Rev Date: 2021614*

## Introduction

Thank you for purchasing an Intec insulation system. Since 1977, both professional contractors and do-it-yourself equipment users have looked to Intec as the industry leader in the design and manufacture of innovative, portable, professional grade insulation blowing equipment. Now many of these individuals are also profiting thru the use of our truck mounted, high production gas blowing machines and high powered vacuums – powered by either gas or electric. All Intec systems are Engineered for High Productivity and Built-to-Last for High Value Generation. At Intec, we take pride in making your job as easy and profitable as possible.

The right system for your needs: Intec strives to provide you with the best combination of portability, functionality, and installation versatility to surpass your desired success.

- **FORCE® BLOWING MACHINES** – Powered by Electric, Gas, or Diesel: From lightweight polyethylene units with removable hoppers, to truck mount units with increased production rates and installation versatility, all of our durable systems are made to maximize your profit generating potential.
- **VORTEC® VACUUMS** – Powered by Gas or Electric: Engineered for High Productivity and Built to Last for High Value Generation, Intec's VORTEC high powered vacuums provide the highest value offered in today's marketplace. With various sizes and gas or electric power options, we have a vacuum that will enable you to profitably grow your business.

Best-in-class Customer Service: Total ease of use extends beyond your initial purchase of an Intec system to your evolving needs thru the entire lifecycle. Both before and after the sale service is important to keep you running at peak operating capabilities. Intec's technical team provides installation assistance in addition to maintenance suggestions and trouble-shooting support. In addition to blowing machines, Intec produces a range of accessories that will increase your productivity when dense packing, damp spraying, and installing net and blow.

Thank you for partnering with Intec. We appreciate the confidence and trust you have placed in us, and wish you many profit-generating opportunities!




A handwritten signature in dark ink, appearing to read "Ray", with a stylized flourish at the end.

Ray Lavallee  
President, Intec

## Table of Contents





<b>INTRODUCTION .....</b>	<b>1</b>
<b>SYMBOLS.....</b>	<b>3</b>
<b>SAFETY FIRST .....</b>	<b>3</b>
<b>HOW THE SYSTEM WORKS.....</b>	<b>4</b>
<b>SYSTEM SET-UP: .....</b>	<b>7</b>
<b>SYSTEM OPERATION: .....</b>	<b>9</b>
<b>REPROGRAMMING INTEC'S LONG RANGE TRANSMISSION WIRELESS REMOTE .....</b>	<b>10</b>
<b>MAINTENANCE .....</b>	<b>11</b>
<b>TROUBLESHOOTING.....</b>	<b>13</b>
<b>SPECIFICATIONS .....</b>	<b>18</b>
<b>ELECTRICAL DIAGRAM .....</b>	<b>19</b>
<b>MAKING A CLAIM FOR DAMAGE OR LOSS .....</b>	<b>21</b>
<b>WARRANTY .....</b>	<b>22</b>

## Symbols







SYMBOL	SYMBOL	MEANING
	<b>Danger</b>	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	<b>Warning</b>	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	<b>Caution</b>	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.

## Safety First



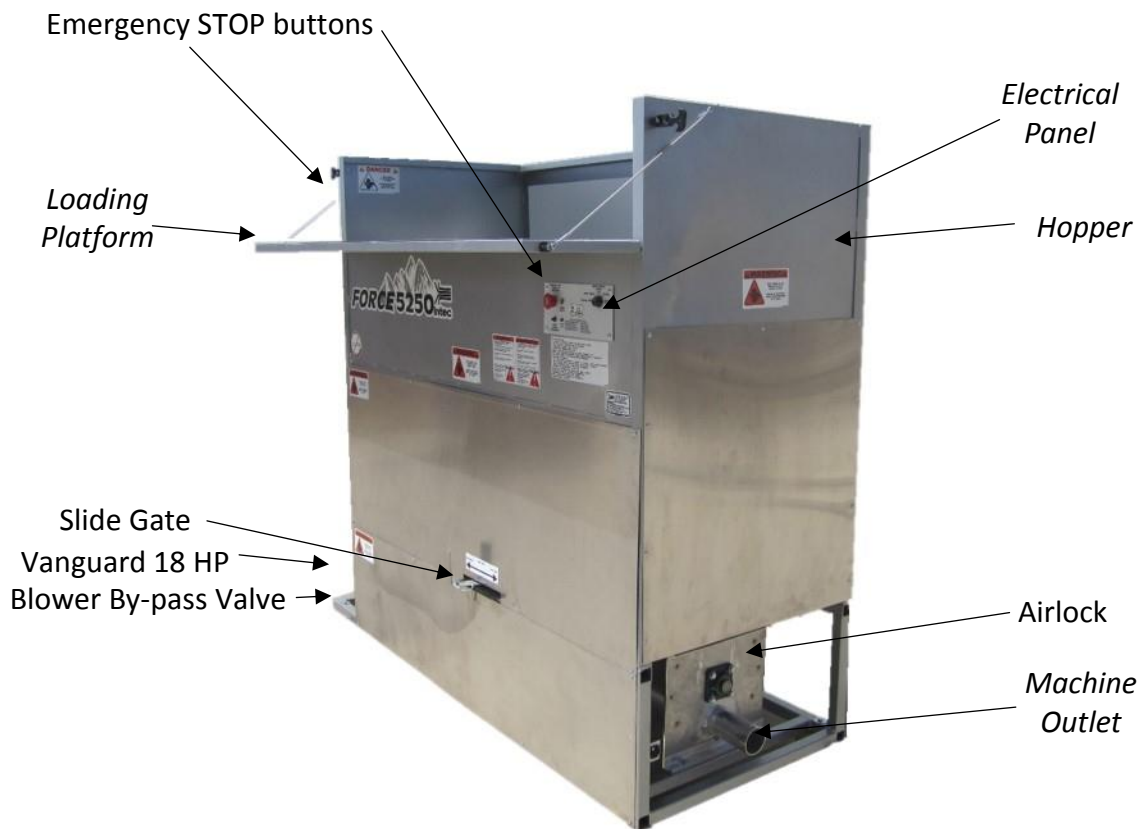
-  Prior to working on the equipment, shut HONDA motor and remove key. Failure to do so could result in injury or death.
-  Never operate equipment with safety guards removed.
-  Never operate equipment with known mechanical issues or if machine is vibrating extensively – additional damage can potential safety issues can occur.
-  Never operate equipment while standing in water as electrical shock may result.



-  Proper Protective Equipment - When working with insulation, always wear a long sleeve shirt, gloves and a hat. Wear goggles or safety glasses for eye protection. Wear a mask for respiratory protection. Hearing protection is also suggested.
-  Never put your hands into the hopper, machine outlet, or near any moving part while the machine is operating.
-  Keep tools and foreign objects out of the hopper.
-  Never leave the machine unattended during operation. Power down the machine and turn off VANGUARD engine when unattended.
-  Never operate the equipment with the access panels off, possible injury may occur.
-  Prior to use, inspect wired remote cord to ensure no damage exists. If damage exists, correct prior to use.

## How the System Works

**OVERVIEW:** Cellulose, Fiberglass, or Stone Wool insulation is loaded into the hopper. The agitation system is the first step in processing the insulation while moving towards the airlock column. Once in the column, insulation is processed additionally by the shredder bar. It then moves through the slide gate and into the airlock where the insulation is fed into the airstream created by the blower system. Insulation is discharged from the airlock, through the machine outlet, and into the hose. The insulation is further conditioned as it travels through the hose.



An introduction to key components of the system follows:

**Electrical Panel:** The electrical panel, combined with the wireless and/or wired remote, provides operation of the machine.

**Loading Platform:** The loading platform acts as a shelf to support the bag of insulation being loaded into the hopper.

**Hopper:** The hopper contains the insulation being fed into the agitators.

**Engine & Blower Fresh Air Inlet Kits:** To ensure long life of your system's VANGUARD motor and Positive Displacement Blower, Intec has designed Inlet Fresh Air Kits for each.



Inlet Hose provides cool clean air from outside the truck / trailer to ensure that your VANGUARD engine is appropriately cooled. The clean air from outside also prevents fibrous particles from being pulled into your engine's cooling fins. Utilize Intec's Air Inlet mounting plates to attach the hose coming from machine to fresh air.

**NOTE:** *Never run engine w/out the air inlet hose attached. Doing so will draw insulation into your engine's cooling fins which will drastically reduce the life of your engine.*

**Blower By-Pass Valve:** Allows the installer to decrease the amount of air being pushed down the hose by opening the valve to vent the blower. Used most often for special wall fill capability.

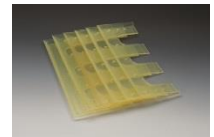
**Shredder Bars:** The shredder bars are located just above the airlock and spin quickly to provide final insulation processing. They are not visible.

**Slide Gate:** The slide gate allows insulation to fall into the airlock. The slide gate is opened fully during typical operation. Close the gate slightly to increase the conditioning of the insulation and alter ratio of insulation to airflow.

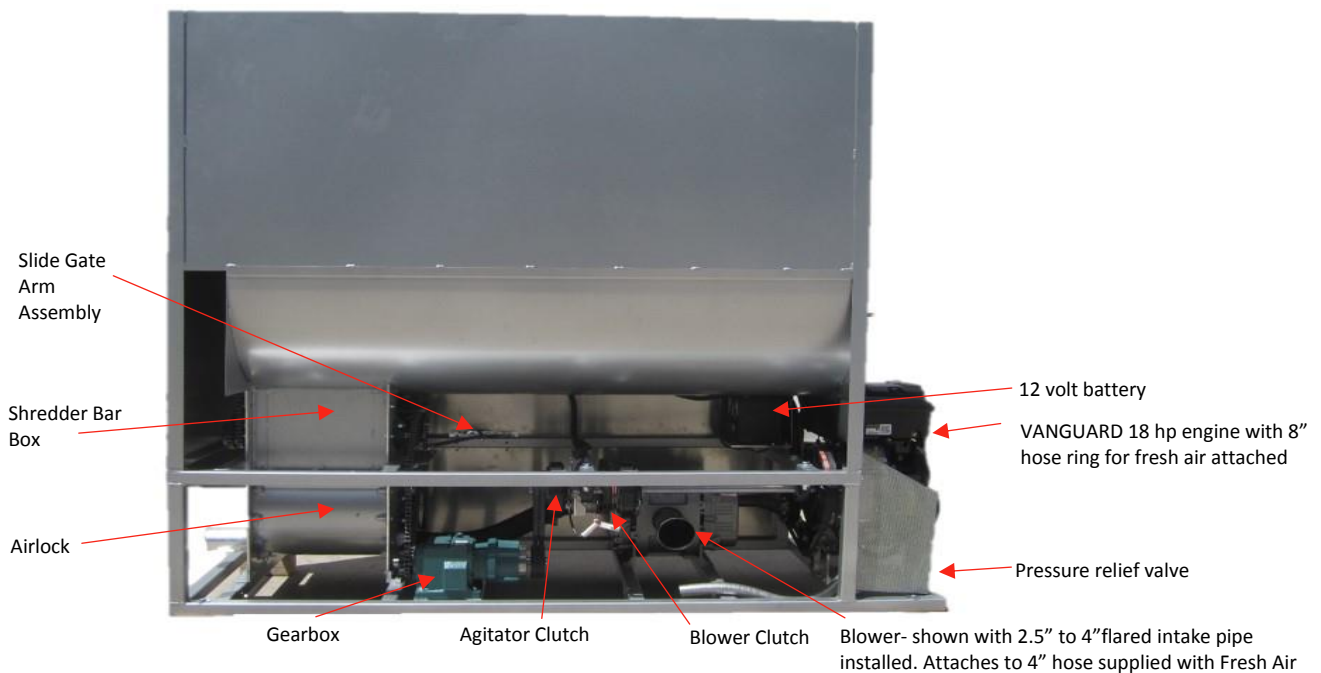
**Gate Pin Setting:** Place the pin into the desired slide gate hole to ensure the gate stays in desired position during operation.

**Airlock:** The airlock transfers the insulation from the agitation system into the airstream without coming into contact with the blowers. Insulation is discharged from the airlock into the hose.

**Urethane Airlock Seals:** Your FORCE 5250 includes Intec's proprietary urethane airlock seals for long lasting effectiveness. Proper airlock sealing allows for high production rates and high pressures for effective wall fill applications.



**What's under the hood?** That's a great question! Let's take a peek.







The FORCE 5250's agitation system is built strong to last. Using an advanced design for rugged durability and superior product conditioning. This design allows product to go through multiple stages of conditioning prior to installation.

Main Agitator- fluted section allows for maximum mobility and break-up of product.

Fluted section transitions to breaker bar section where rapid cycling begins to transition product into smaller pieces.

Shredder Bars continue to pulverize product to proper conditioning.

## Set up and Operation

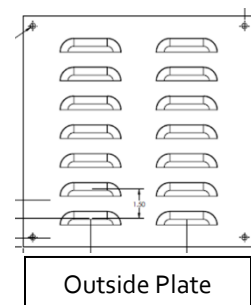
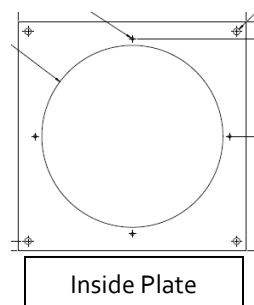


### SYSTEM SET-UP:

#### INITIAL OPERATION

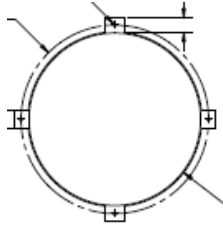
During initial operation, install the Fresh Air Inlet Kit for the VANGUARD Engine and Blower.

- Cut a 8" diameter hole into the side wall or floor of your truck / trailer. *NOTE: be sure to cut in a non-load bearing area.*
- Mount the Outside Plate (on the outside of the truck) and Inside Plate (on the inside of the truck) – sandwiching the wall or floor -- with four nuts.



- Hose Ring: The Hose Ring will mount to the Inside Plate.



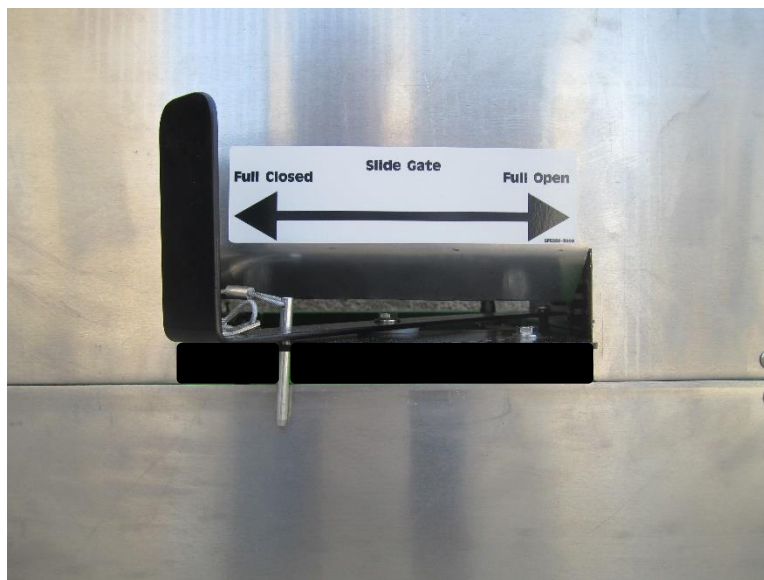
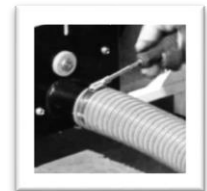


Once mounted and hardware is tightened, you are ready to fasten the open side of the Fresh Air Inlet to the 8" diameter hose.

*Upon completion, you will now have fresh, clean air from outside your vehicle used to cool the VANGUARD engine.*

#### EACH TIME YOU UTILIZE YOUR BLOWING MACHINE

1. Obtain appropriate protective equipment.
2. Attach hose to machine outlet using a hose clamp.
3. Open slide gate & place pin in desired opening.

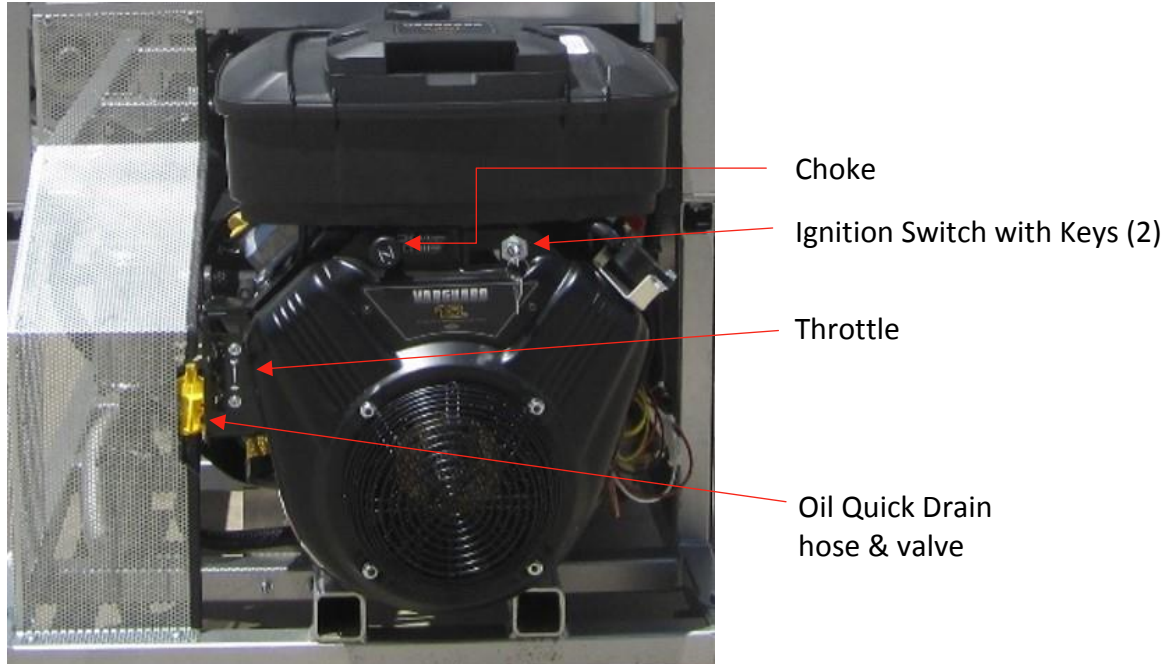


Slide gate shown in the closed position

## SYSTEM OPERATION:

### 1. Energize System

- a. Pull EMERGENCY STOP BUTTONS out (i.e. into the ON position).



VANGUARD engine shown prior to the installation of the Hose Ring as part of the Fresh Air Inlet Kit.

### Start VANGUARD engine

1. Place choke in the ON position if engine has not been running.
2. Turn key to START position and release once engine starts.
3. Reduce choke when engine is warming up until choke is in the OFF position.
4. Move engine throttle to FULL position.

2. Rotate the ROTARY CONTROL SELECTOR SWITCH to the desired method to operate system.



- a. WIRELESS REMOTE
  - i. Operate system thru Intec's Long Range Transmission wireless remote.
- b. WIRED REMOTE
  - i. Operate system thru wireless remote with Intec's exclusive long lasting urethane jacked controls.
  - ii. Plug wired remote into the REMOTE QUICK DISCONNECT female connector.

*Note: Unplug the wired remote when not using the wire remote to operate the SupershredzECO. When unplugging, pull the metal tab back and turn ¼ turn, then remove male end from the REMOTE QUICK DISCONNECT female connector. Remote receptacle is not located on the panel.*

- c. OFF
  - d. BLOWER
    - i. Operate system thru its control panel. Blower is activated in this setting.
  - e. BLOWER & AGITATOR
    - i. Blower and agitator are activated in this setting. Note that the blower needs to be on for the agitator to come on.
3. Load Insulation -- Remove packaging material from around insulation and load into hopper.

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## REPROGRAMMING INTEC'S LONG RANGE TRANSMISSION WIRELESS REMOTE

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Please visit [www.inteccorp.com/videos](http://www.inteccorp.com/videos) for further instruction on re-programming your Wireless Transmitter.

### Transmitter

1. Get to the underside of transmitter.
  - a. Transmitter may be in jacket that allows for fitting onto arm or hose. You may desire to remove transmitter from jacket.
  - b. Remove small black sticker on back of transmitter.
  - c. Stick a paperclip into the small hole and hold button down for 7 to 14 seconds to enable wireless transmitter to select a different channel.

### Receiver

1. Ensure VANGUARD motor is running at full throttle.
2. Rotate the ROTARY CONTROL SELECTOR SWITCH to the WIRELESS selection.
  - a. Note: The LEARN BUTTON LED light will flash steadily, while the SYNC-LED will not be lit.
3. Press the LEARN BUTTON and release.
  - a. the SYNC-LED will flash rapidly, while the LEARN BUTTON LED light will remain solid.
4. On the wireless remote transmitter:
  - a. Press and release the BLOWER button
  - b. Press and release the AGITATOR button
5. Wait 17 seconds for the receiver to reset.
6. When the receiver has been reset, the LEARN BUTTON LED light will flash steadily, while the SYNC-LED will not be lit. COMPLETE – The wireless receiver has now been programmed to accept the transmitter's signal.

## Maintenance

Preventative maintenance will provide for many years of trouble-free use.

**VANGUARD:** Please consult the VANGUARD manual for appropriate engine maintenance.

A few quick items related to the engine:

1. Initial oil change required after 20 hours of use- made easy with the quick drain hose and valve.
  - a. Recommend to use 5W-30 synthetic oil; consult manual for ideal oil in your operating region and typical temperature ranges.
2. Clean engine air filter weekly, Replace at time of oil changes or as necessary.
3. Replace fuel filter at time of oil changes or as necessary.
4. Run engine at full throttle for appropriate operation of the FORCE 5650 blowing machine.

### Cleaning

Clean the interior and exterior of the machine weekly by wiping with a rag and/or blowing with compressed air; this will help maintain the longevity of the mechanical components in addition to the system's finish. The machine has been designed to work in a dusty environment. However, without periodic cleaning and maintenance, the performance of the machine will decline potentially leading to failure.

### Wired Remote Cord

Ensure your wired remote cord is in good operating condition with the black jacket not worn and no individual wires showing. If an individual wire is showing, or if wires were pulled from the transmitter's jacket or male plug which inserts into the control panel, correct prior to use.

### Chain

Clean and lubricate the chains once per year or as needed. Use a dry lubricant when lubricating the chain; do not use oil as oil will attract foreign particles like dust to chain. If the machine is often used in dusty conditions, then clean and lubricate the chain more frequently than once per year.

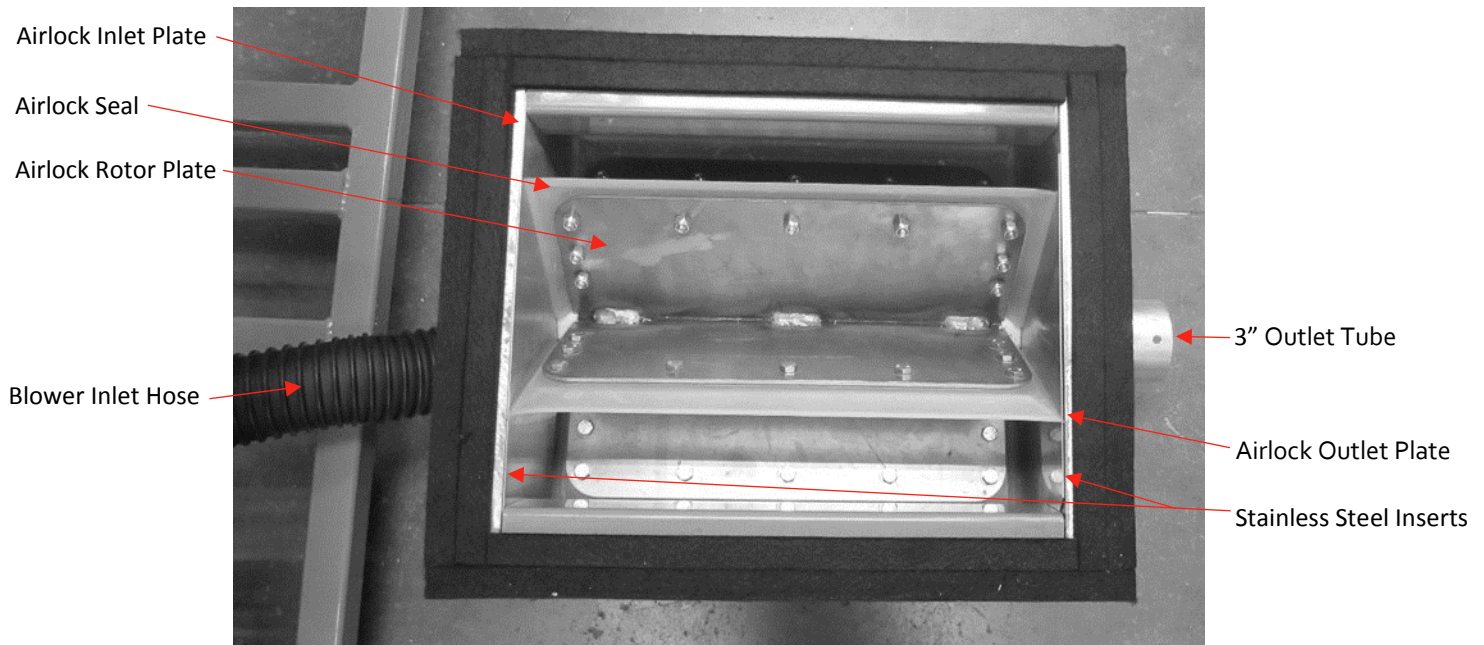
### Belts

Belts will stretch over time. New belts will stretch relatively quickly and limited additional stretching over use. The belts are properly tensioned when leaving the factory. Your FORCE 5650 is equipped with auto tensioning pulleys so no adjustment should be required as belts stretch.

### Airlock and Seals

The airlock assembly is one the most important items to keep in good condition. Foreign objects in the airlock can cause damage and reduce the machine's production. Seal failure is the most common airlock assembly failure. Seal failure prevents the airlock from holding the proper pressure. Seal failure will reduce the machine's production. A machine with seal failure will have air blow out of the airlock into the hopper, reducing the amount of air exiting the machine outlet. It is recommended to

visually inspected seals each week to ensure proper running condition. Replace airlock seals if a cut or tear is evident. Airlock seals should be replaced every 300 hours of operation, or once per year.



*SupershredzECO Airlock shown removed from system.*

The Airlock of your FORCE 5250 is designed for quick removal for maintenance. To watch the complete video on removing and re-installing your Airlock please visit our website at [www.inteccorp.com/videos/](http://www.inteccorp.com/videos/)

## Troubleshooting

<i><b>Problem</b></i>	<i><b>Likely Cause</b></i>	<i><b>Remedy</b></i>
Vanguard Engine won't start	Fuel switch in off position.	Place lever in the ON position by moving to the right towards engine.
	Fuel not in gas tank.	Refill gas tank with Premium Unleaded gasoline.
	Choke not engaged.	Engage Choke.
	Battery is dead.	Charge or replace battery.
	Advanced Engine issue	Contact Intec or local VANGUARD repair facility.
Blower(s) does not run.	VANGUARD is not running at full throttle.	Move throttle to the full HIGH position.
	Blower drive belts loose or missing.	Replace belts.
	Blower air inlet port obstructed.	Clear obstruction.
	Main Circuit Breaker tripped.	Reset Circuit Breaker.
Agitator does not run.	Blower has to be on for agitator to come on.	Turn blower on.
	Main Circuit Breaker tripped.	Reset Circuit Breaker.
Machine is on, yet no material comes out of hose.	Slide gate is closed.	Open slide gate.
	Insulation blockage in hose.	Turn system off, remove hose and clear blockage.
	Blower is off.	Turn blower on.
	Air pocket in hopper is preventing insulation from feeding into agitators.	Shut down, press in E-Stop. Redistribute insulation material inside hopper.
	Airlock seal is worn.	Inspect airlock seals for cuts and wear.
	Airlock has an obstruction preventing insulation from exiting.	Shut down, press E-stop in, then remove obstruction.

<b><i>Problem</i></b>	<b><i>Likely Cause</i></b>	<b><i>Remedy</i></b>
Insulation exiting hose is dribbling out.	Heavy insulation material.	Push slide gate in 1-2 holes.
	Kink in hose.	Straighten hose.
	Airlock seals are worn.	Inspect airlock seals for cuts and wear. Have a qualified technician replace airlock seals.
Chain makes a “popping” sound during operation	Chain is not aligned with sprockets.	Shut down, press E-stop, realign chain and sprockets.
Wireless remote not controlling system as desired. Pressing ‘on’ and blower or agitator not turning ‘on’; or pressing ‘off’ and blower or agitator not turning ‘off’.	Reception range less than desired.	Make sure the trailer or truck’s doors –especially the large door in back -- are open to allow for radio frequency waves to easily enter and access the receiver in the blowing machine.
	Antenna in the down position.	Position the antenna into a straight position vs. the 90 degree bend. This allows the machine to act as a source to gather the radio frequency waves and enhances reception).
		Install the optional antenna extender. Contact Intec for details.
Blower and agitator continue to run and wireless remotes do not control system.	Transmitter out of range from receiver.	Move closer to system.
	Transmitter battery needs to be replaced.	Replace battery. Intec can provide assistance with instructions as beneficial.
	Need to re-sync the receiver to the transmitter.	Follow instructions provided in manual on pg. 9



## SPECIFICATIONS

### Weight

FORCE 5250

1015 lbs. (461 kg)

Hopper size

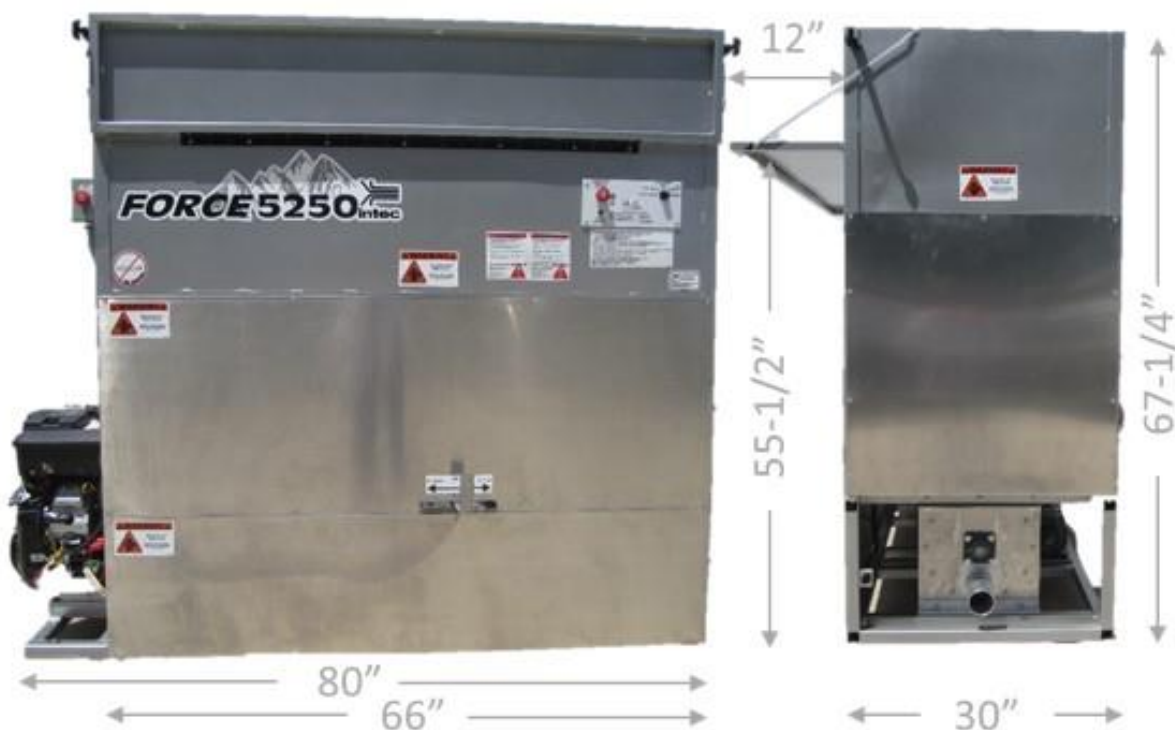
45 cubic feet

Blower – Quantity-1

Positive Displacement

Motor

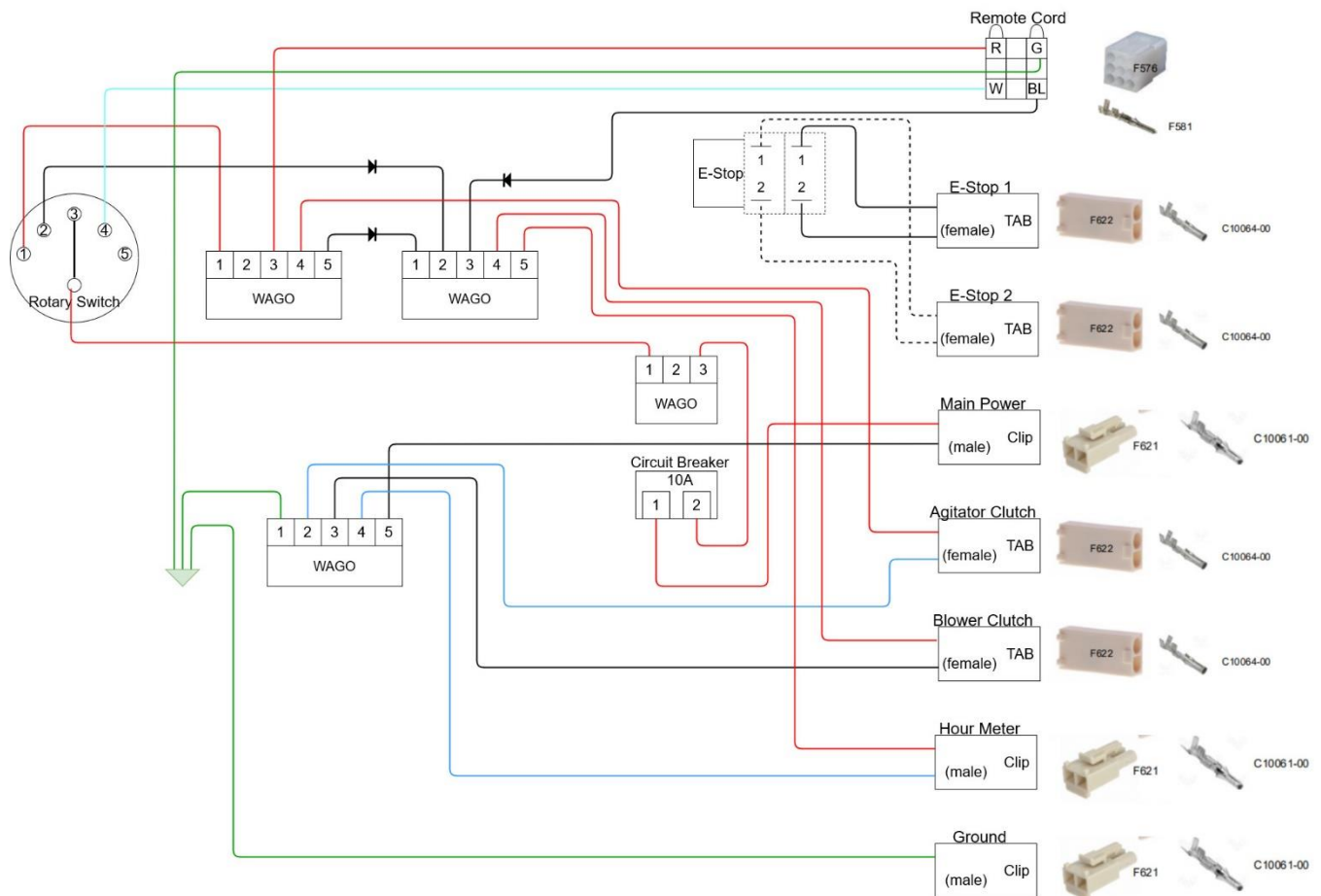
VANGUARD 18hp with electric start



# Electrical Diagram

Force 5250- Standard Wired 2020

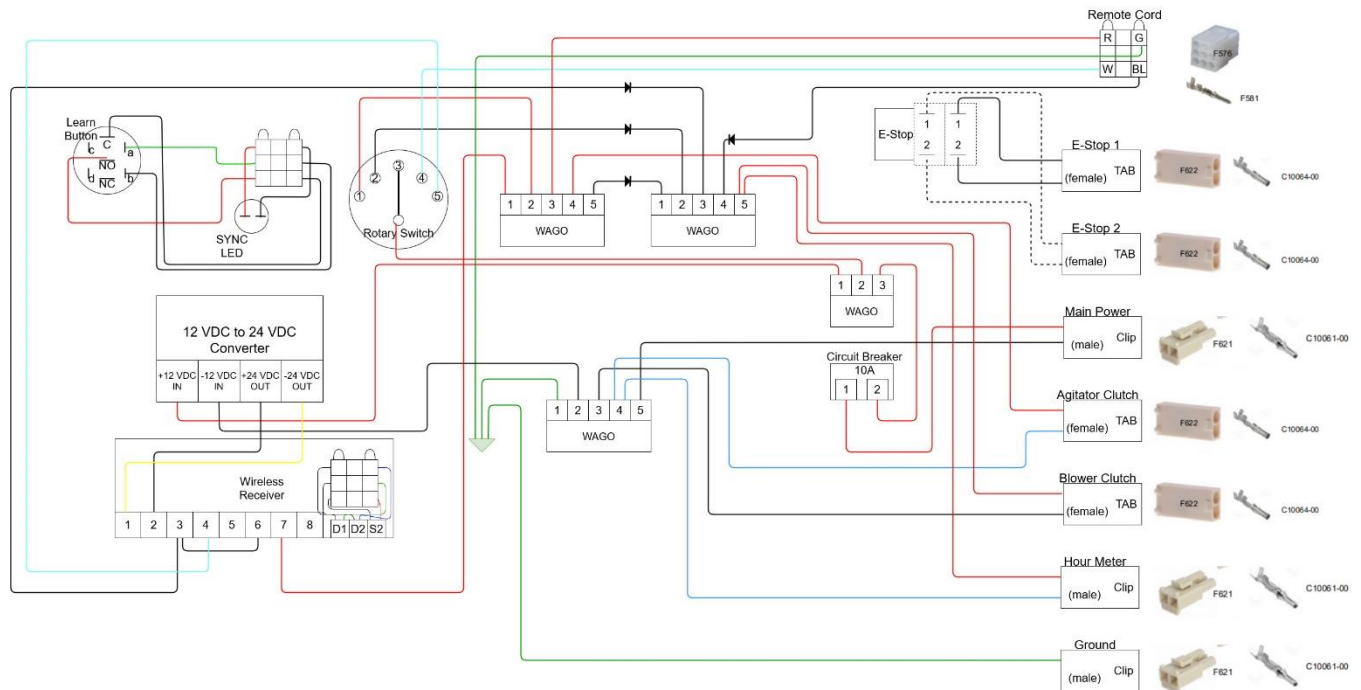
5250 Standard  
Rev: 520  
INTEC



# Electrical Diagram

Force 5250- Standard Wireless 2020

5250 Wireless  
Rev: 520  
INTEC



## Making a Claim for Damage or Loss

Your Intec products were carefully packed and thoroughly inspected before leaving our factory. We understand that damage to or defects with your system may unfortunately occur. Please inspect your shipment carefully upon arrival and save the shipping containers and packaging materials in case of damage.

The following table provides you with appropriate actions to take when certain issues are realized.

ISSUE	Action to Take
<b>1 DAMAGE in Transit</b> A Visible <b>PRIOR</b> to unpacking (Damage to carton or packing material). B Visible <b>AFTER</b> unpacking (Only apparent when unpacked). C Shortage (# containers does not agree to transportation bill).  When items leave our warehouse, the shipper assumes responsibility. It is the responsibility of the consignee to file a claim. Proper documentation is necessary to support the claim. Please inspect all items properly prior to signing for them.	File Claim with appropriate freight carrier. File Claim with appropriate freight carrier. File Claim with appropriate freight carrier.
<b>2 Items received not correct</b> A Incorrect items received. B Incomplete order received (not backordered).	Contact Intec Customer Service Contact Intec Customer Service <b>303.833.6644 ext. 102</b> <b>info@inteccorp.com</b>
<b>3 Issue within the warranty period</b> A Troubleshooting (machine or part not operating as intended). B Replacement part(s).  Intec can assist with troubleshooting your issue, and can get you back up and running. If warranty parts are required, a return material authorization (RMA) will be issued by technical service.	Contact Intec Customer Service Contact Intec Customer Service  <b>303.833.6644 ext. 105</b> or <b>info@inteccorp.com</b>
<b>4 Issue outside of warranty period</b> A Replacement part, troubleshooting. B Need assistance from a service center.	Contact Intec Customer Service Contact Intec Customer Service <b>303.833.6644 ext. 105</b>

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## Warranty

It is expressly understood and agreed that no officer, agent, salesman or employee of the manufacturer Intec (MANUFACTURER) has the authority to obligate the MANUFACTURER by any terms, stipulations, or conditions not herein expressed; that all previous representations and agreements, either verbal or written, referring to the machinery and equipment, which is the subject of this Warranty, are hereby superseded and canceled, and that there are no promises or agreements outside of the Warranty agreement. Furthermore, the MANUFACTURER hereby disclaims any implied warranties of merchantability, or implied warranties of fitness for a particular purpose.

With the above understanding, the MANUFACTURER provides the following one (1) Year Limited Warranty, and no other, for its insulation blowing machines (MACHINES):

- a) MANUFACTURER warrants to the original purchaser that the MACHINE is well made, of good material and durable; but only if the MACHINE is operated and maintained in accordance with the Instruction Manual. This Warranty is void if the MACHINE is not so operated and maintained, or if the MACHINE is used for blowing materials other than those which are intended to be used with the MACHINE.
- b) MANUFACTURER guarantees the MACHINE to be free from manufacturing defects at the time of shipment, and to remain free from defects when operated under normal use, for a period of one (1) year from the date of factory shipment, with the exception of the blowers, electrical and air lock components, which are warranted for a period of ninety (90) days from date of factory shipment.
- c) This Warranty shall not apply to any MACHINE or component part which, in the opinion of the MANUFACTURER, has been altered, subject to misuse, negligence, accident or operated beyond factory rated capacity. All requested Warranty work should be performed at MANUFACTURER's factory or by an Authorized Factory Service Facility. Failure to have the Warranty work done at MANUFACTURER'S factory or by an Authorized Factory Service Facility will void this Warranty. MANUFACTURER will bear full responsibility to repair or replace, at its option, without charge to the original purchaser, any part that, in the MANUFACTURER'S opinion, is found to be defective.
- d) All parts claimed defective by original purchaser shall be returned, properly identified, to MANUFACTURER's factory or Authorized Factory Service facility, freight prepaid. All replacement, repaired or non-defective parts will be returned to purchaser, freight collect. MANUFACTURER will supply replacement parts prior to purchaser, freight collect. MANUFACTURER will supply replacement parts prior to receipt of any parts claimed defective, only with the understanding that such replacement parts will be shipped to purchaser at the then prevailing price of said part, C.O.D., freight collect. MANUFACTURER will reimburse cost of any such part only after receipt and inspection, and finding said part defective.
- e) MANUFACTURER's liability is expressly limited to the repair or replacement of defective parts set forth in this Warranty. All other damages and warranties, statutory or otherwise, being waived are original purchaser as a condition of sale and purchase of said machines. Furthermore, the MANUFACTURER shall not be liable for damages or delays caused by defective material or workmanship.