



SNOW FORCE Flock Machine

**PYRO
FOLIES**

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Introduction

Thank you for purchasing Pursell Manufacturing Corporation's Snow Force 1.0™ or 220™ flocking machine, manufactured by Intec. Pursell partnered with Intec to have this highly efficient flocking system produced to enable faster and more precise flocking.

Pursell's Snow Force Flock Machine is the highest output and most reliable flock machine in the industry. Our new dispensing technology allows this fully adjustable machine to blow up to 5.5 pounds of Pinnacle Flock per minute reducing time and labor. Fully adjustable material flow, blower flow, and water spray. Combined with Pinnacle Flock and the Blizzard™ flocking nozzle, the Snow Force provides a flocking system offering superb performance, dependability and ease of use.

About Pursell Manufacturing

Pursell Manufacturing has been leading the Christmas Tree lot supply industry since 1968. Pursell provides nationwide and overseas service for everything you will need to keep your tree lot running smoothly and profitably. Let Pursell help you have a successful Christmas season with their reliable and innovative products, top-notch service, and years of knowledge and experience.

About Intec (Insulation Technology Corporation)

Intec has been recognized as an industry leader in portable insulation blowing machines since 1977. The company is the original developer and manufacturer of high production electric airlock insulation machines. In addition to blowing machines & high powered vacuums, Intec produces a range of private label systems and accessories to increase operators' productivity.

About this manual




Any user of the Snow Force system should read this manual thoroughly before operating the system. All of the features, setup and operation procedures, specifications and warranty information, as well as instructions for the safe operation of this machine, are detailed for your information and convenience.

Thank you for choosing Pursell Manufacturing Corporation’s Snow Force.

Table of Contents

INTRODUCTION.....	3
SYMBOLS.....	5
SAFETY FIRST.....	5
HOW THE SYSTEM WORKS.....	6
SYSTEM SET-UP:	9
MAINTENANCE.....	11
Intec Quick-Access™ - IQATM.....	12
TROUBLESHOOTING.....	15
SPECIFICATIONS.....	17
ELECTRICAL DRAWINGS.....	18
Snow Force 1.0™.....	18
Snow Force 220™.....	18
WARRANTY	21
EC DECLARATION OF CONFORMITY.....	22

Symbols

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

Safety First



- Disconnect all power cords prior to working on the equipment. Failure to do so could result in injury or death.
- Never operate equipment with guards removed.
- Never operate equipment with hopper removed from base.
- Never operate equipment while standing in water as electrical shock may result.
- Always use grounded extension cords when operating equipment.



- When working with flock, always wear proper protective equipment.
- Always operate system with Lid on Hopper.
- Never put your hands into the hopper or machine outlet while the machine is operating.
- Keep tools and foreign objects out of the hopper.
- Never leave the machine unattended during operation. Disconnect all power to the machine when unattended.
- Never operate the equipment with the access panels off, possible injury may occur.
- Prior to use, inspect power cord and remote cord prior to ensure no damage exists.





How the System Works

OVERVIEW: Pinnacle Flock is loaded into the hopper. The agitator provides movement for the flock down into the hopper and sweeps the flock into the flow control box and airlock. The airlock transports the flock into the airstream created by the blower system. Pinnacle Flock is discharged from the airlock, through the machine outlet, and into the material hose. To view an operation video, please go to <http://www.pursellmfg.com/flock-flocking-equipment-and-accessories/flock-machines/flock-machine-snow-force>.

An introduction to key components of the system follows:



Lid: The lid provides safety to the operator in addition to reducing both airborne dust from leaving the hopper, and foreign materials from entering the hopper. *Note: For the 220V version, the lid must be in place for the machine to operate.*

Disconnect Switch: SnowForce 220 comes standard with a magnetic disconnect switch which requires the lid to be on the system for operation. *Note: match the arrow from the lid to the one on the hopper for appropriate operation.*

Hopper: The hopper contains the Pinnacle Flock being fed into the agitators.

Agitators: The agitator – visible by removing lid and looking down into the hopper -- transports the flock down the hopper, thru the material flow gate, and into the airlock.

Inlet Air Filter: Ensures clean air is being used for blower intake and cooling to increase the blower's life. Recommendation is to clean filter daily.

System Access Ring: The System Access Ring provides quick access to the blower and agitator motors, and the electrical system. Opening this ring removes the bottom section of the machine for easy access.



Material Flow Gate: The Material Flow Gate -- controlled by the Material Flow adjustment knob -- allows flock to enter the airlock at various rates. When the Material Flow Adjustment is in the out – green -- position, maximum flow of flock thru the system is obtained. Pushing the Material Flow Adjustment towards the closed position – red -- decreases the flow of flock.

Blower Flow Adjustment: The Blower Adjustment allows the user to adjust the air flow for desired application. Pull the Blower Flow Adjustment to green to increase flow; push in – towards red – to decrease airflow.

Power on/off: The SnowForce 220V has an on/off switch as depicted.



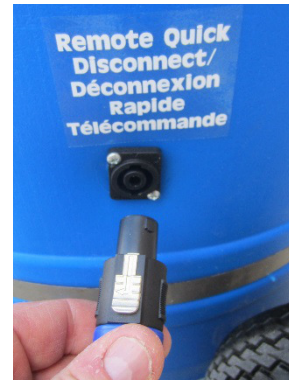
Airlock: The airlock transfers the flock from the hopper / agitation system into the airstream without material coming into contact with the blower. Flock is discharged from the airlock into the Material Outlet where a material hose is to be connected.

Remote Control: Provides operation of the machine's material (Pinnacle Flock) from trigger on Blizzard Nozzle's handle.

Set up and Operation

System Set-Up:

1. Set system on a dry, level surface.
2. Obtain appropriate protective equipment.
3. Attach water hose to Blizzard flocking nozzle using quick-connections.
4. Attach material hose to machine outlet using the friction fitting.
5. Attach other end of material hose to the Blizzard flocking nozzle.
6. Attach remote cord from the Blizzard flocking nozzle to the SnowForce using the quick connect. Insert and turn clockwise.
Note: when disconnecting, pull the metal piece back, turn counter-clockwise, and pull out.
7. Place the on/off switch (SnowForce 220) in the “on” position.
8. Open Material Flow Gate to desired setting (note: can also set material flow gate when flock is in hopper).
9. Set Blower Flow Adjustment to desired setting (note: can also set blower flow adjustment when system is in use).
10. Connect heavy duty power cord to power source.
11. Place Pinnacle Flock in the hopper.



You are now ready to operate the Snow Force – go to system operation.

System Operation:



1. Open the Blizzard’s nozzle to start the flow of water.
2. Turn Snow Force system on by the trigger switch on the Blizzard flocking nozzle to start the flow of flock.

Maintenance

Preventative maintenance will provide for many years of trouble-free use. Prior to any maintenance, disconnect the power source from the Snow Force system.

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.

Cords

Your remote cord is subject to considerable wear and tear during normal operation. Inspect prior to use to ensure safe operation. If any damage is observed, be sure to repair or replace before operating the machine to avoid personal injury. Note: Do not pull on remote cord to move machine as damage to cord or cord's quick-connect may occur.

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. Replace airlock seals if a cut or tear is evident, or if your system's production rate has significantly decreased in comparison to when it was new.

Filter

The filter should be cleaned every use to avoid potential blower and agitator motor overheating. Simply slide filter from holder, use compressed air or knock filter on a hard surface to remove contaminants, and replace filter in the appropriate holder on machine.

Blizzard Tips

The Blizzard's spray tips can be removed by turning the plastic jacket to the unlock position. You can then remove the filters & tips to clear a foreign object as beneficial.

Intec Quick-Access™ - IQ_A™

We understand that at times...

- maintenance – no matter how infrequent – is beneficial where you will need to replace airlock seals, and
- unexpected repairs are required at times.

...you will need to get to the system's components. To make this easy, the Snow Force utilizes IQ_A™ features. In addition to the filter (described above), quick-access to system components is possible thru the System Access Lever & Ring. Please disconnect power prior to accessing system components. The following steps will allow you to access the system components.

1. Turn Snow Force system upside down.



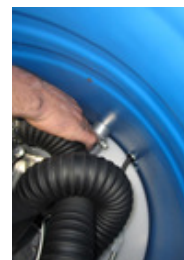
2. Remove the Access Lever.



3. Remove the Ring which also contains the caster wheels.



4. Loosen the connector to the Material Flow Tube, and remove tube.



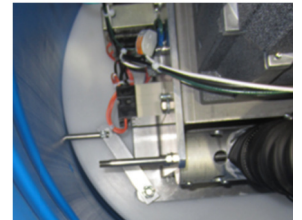
5. Remove the small bolt holding the Material Flow Adjustment arm to the bracket. Next pull the Material Flow Adjustment arm out of system.



6. Remove the knob for the Blower Flow Adjustment by turning counterclockwise.



7. Push the Blower Flow Adjustment shaft in towards the center of the system.



8. Electrical Connections: remove the Power Inlet and Remote electrical connections



9. Pull the blue Snow Force body up to reveal the system components mounted to the hopper.



TroubleShooting

Problem	Likely Cause	Remedy
Snow Force is plugged in, yet flock not coming out of Blizzard gun.	Power cord connection is loose.	Ensure appropriate power cord connection at machine.
		Ensure appropriate power cord connection at power source.
	Power Cord gauge is too small for the length of power cord being used.	Obtain a thicker gauge power cord (recommended to use a 12/3 power cord).
		Use a shorter length power cord to reduce voltage drop.
	Circuit breaker at power source has been tripped.	Check the power source to ensure circuit breaker has not been tripped; reset is required.
	Material Flow Gate is closed.	Open the Material Flow Gate
	System not turned on.	Place the remote in the 'on' mode.
Electrical system may have a loose wire.	Have the system inspected by a qualified technician.	
Flock is coming out less than desired	Hopper low on flock.	Fill hopper with Pinnacle Flock.
	Material Flow Gate is cutting back on flock flow.	Pull the Material Flow Gate setting out to allow for more product flow.
	Blower Flow Adjustment reducing air flow	Pull the Blower Flow Adjustment out to increase air flow.
Water flow is less than desired from Blizzard gun	Obstruction in water flow	Check hose inlet filter & remove foreign materials preventing desired water flow.
		Check Blizzard gun spray tips to remove foreign materials preventing desired water flow.
		Ensure water hose is not kinked as kink will reduce or prevent water flow.
	Damaged Blizzard gun spray tips.	Obtain new Blizzard gun spray tips if tip is damaged.

Problem

Likely Cause

Remedy

Water flow is less than desired from Blizzard gun (<i>continued</i>)	Hose not connected to a water source that is flowing.	Ensure water hose is connected.
	Garden hose is too long & is restricting pressure.	Obtain a larger diameter garden hose.
		Reduce the length of garden hose (i.e. flock closer to the water source)
	Blizzard gun nozzle not in the full 'open' position.	Ensure nozzle is fully opened.

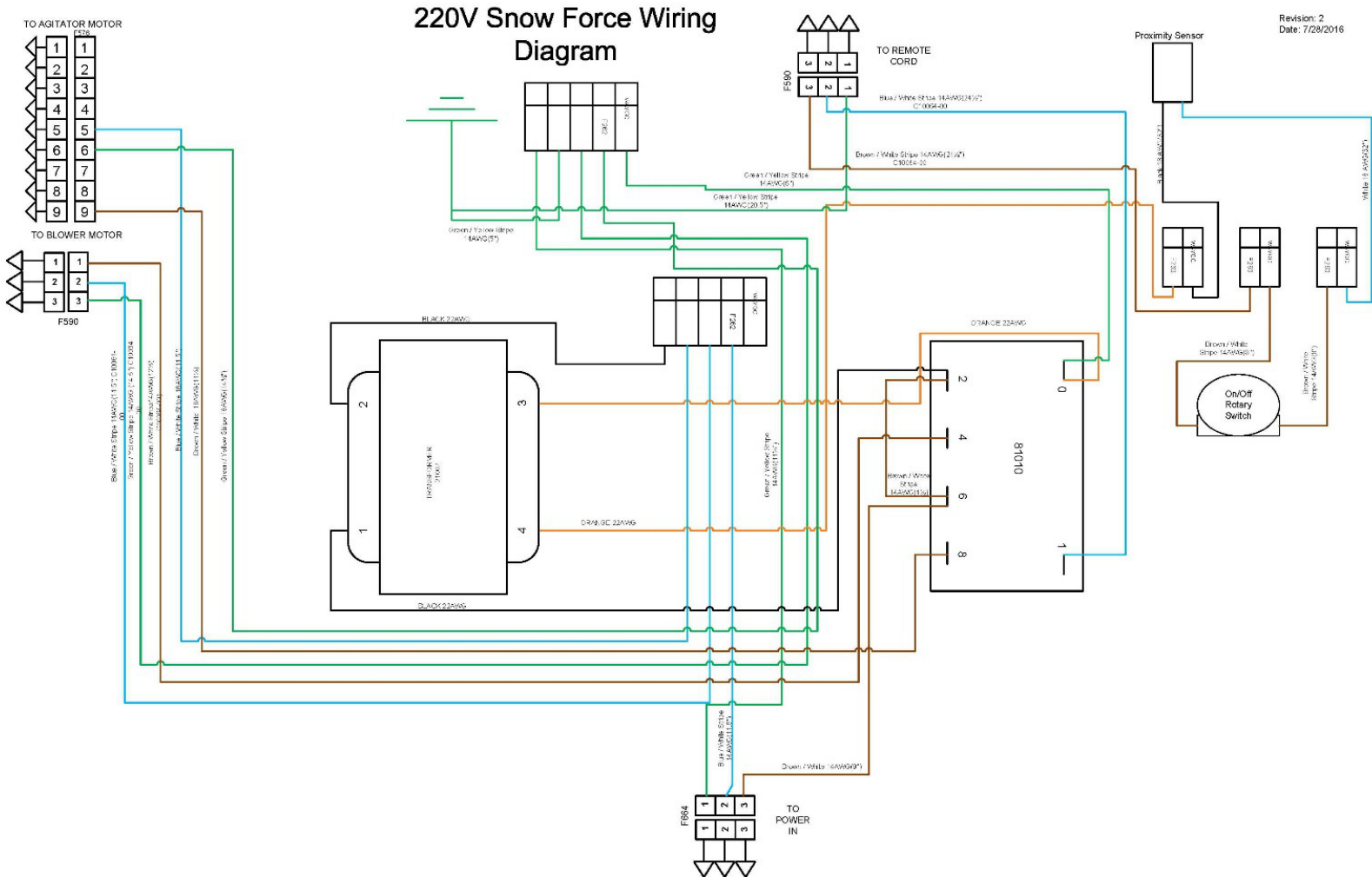
Specifications

Weight	82 lbs 37 kg
Blower	104 CFM, 115VAC, 8 amp 2.8m ³ /min, 230VAC, 4.9 amp
Agitator & Airlock Motor	0.246 HP at 54 rpm; 3.6amps 0.155 HP at 44 rpm; 1.11amps <i>or</i> 0.324 HP at 69rpm, 1.91 amps
Power Requirements	<ul style="list-style-type: none"> 1-110VAC, 60 Hz, 15 amp circuit for Snow Force 1.0™ version 1-220VAC, 60 Hz, 7 amp (or greater) circuit for Snow Force 220™



Electrical Drawings

Snow Force 220™



Making a Claim for Damage or Loss

Your Snow Force system and accessories 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.

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.

EC Declaration of Conformity



EC Declaration of Conformity of the Machinery Machine: Snow Force 220

The machine which accompanies this declaration is in conformity with the EU's 2006/42/EC Machinery Directive.

Manufacturer:
Insulation Technology Corporation, d.b.a. Intec
4040 Kodiak Court
Frederick, CO 80504 USA

A copy of the Technical File for this equipment is available from Intec on request.

Description and Identification of the Machinery:

- General denomination – Flocking Machine.
- Function – The flocking machine is used to install flock onto Christmas trees and wreaths to resemble snow.
- Model Type / Commercial Name – Snow Force 220.
- Serial number – Serial numbers for Snow Force 220 machines that are shipped to EU and meet this EC Declaration of Conformity of the Machinery begin with SNOW-001 and will sequence to larger numbers as SNOW-002, SNOW-003, and so on.

Snow Force 220 fulfills all relevant provisions of the:

- 2006/42/EC Machinery Directive
- 2006/95/EC Low Voltage Directive

Authorized signatory of manufacturer:

A handwritten signature in blue ink that reads "Raymond W Lavallee II". The signature is written in a cursive style and is positioned above a horizontal line.

Raymond W Lavallee II
President, Insulation Technology Corporation (d.b.a. Intec)
4040 Kodiak Court
Frederick, CO 80504 USA

May 1, 2015

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