



292-C-002
Effective 1-1-2015

Model 220 Meyer Insulation Blower

INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS



Wm. W. Meyer & Sons, Inc.

1700 Franklin Blvd • Libertyville, Illinois 60048-4407 • 800-963-4458 • 847-918-0111 • Fax: 847-918-8183
e-mail: sales@meyerinsulation.com • websites: <http://www.meyerinsulation.com> or www.wmmeyer.com

TABLE OF CONTENTS

Safety Precautions	2
Applications - Intent Use of Equipment.....	6
Receiving and Uncrating	6
Specifications.....	6
Operating Instructions	8
Maintenance.....	9



SECTION I SAFETY PRECAUTIONS



WARNING: TO THE OWNER, AND INSTALLATION, OPERATION AND MAINTENANCE PERSONNEL

The safety of the operator and those people that may come into contact with the equipment is of great importance to Wm. W. Meyer & Sons, Inc. "Meyer". The decals, shields, guards and other protective features designed, furnished or recommended for this machine are there for your protection.

BEFORE attempting to install, operate or perform maintenance on this Equipment READ carefully and UNDERSTAND all safety instructions contained in this set of **Instructions** in addition to all applicable government safety/health laws and regulations and generally recognized industrial standards. The operation and maintenance of this equipment should be restricted to only those personnel trained in its use. Consult Factory for the availability of manuals in other languages. Operation, Installation and Maintenance personnel should READ carefully and UNDERSTAND the sections of this **Instruction Manual** relevant to the work they are performing.

The various precautions and recommendations detailed within this manual are not necessarily all inclusive. These instructions are intended to provide general safety and operational guidance relating to typical uses with which Meyer is familiar.

1-1 GENERAL

- Equipment is to be operated by trained qualified personnel only.
- Always read and follow the operating and safety procedures.
- Do not operate without all guards and safety equipment installed in the proper location and in working order.
- Do not point discharge hose at anything other than empty space, do not place hand(s) or any objects in material discharge stream.
- Do not disable any safety features. They are there for your protection.

- Always use qualified personnel when repairing or maintaining the equipment.
- This equipment must be used only for the purpose for which it was intended. Any other use will void the warranty and could cause bodily injury to the operator and costly damage to the equipment.
- If a malfunction should occur, turn the machine off immediately and correct the problem, before restarting the machine.
- Do not leave the equipment unattended while it is running.
- Do not wear loose clothing or jewelry when operating this equipment. Long hair should be confined by a hat or a hair net.
- Do not operate under the influence of alcohol or drugs.



WARNING: FOLLOW THESE SAFETY INSTRUCTIONS.

1-2 POWER DISCONNECT SAFETY INSTRUCTIONS

1. Turn OFF machine.
2. Depress E-Stop.
3. Unplug **BOTH** power cords from wall socket and from machine.
4. Power Cords must remain **Under Exclusive Control** of user.

1-3 INSULATION MACHINE SAFETY

- Limit the operation only to those personnel trained in the proper use and operation of the machinery.
- Never operate the machine without proper ventilation.
- Keep all clothing and your body away from the rotating equipment.
- Obey all safety labels and instructions affixed to the machine.
- Never run the machine speed faster than the factory settings.
- Do not smoke while operating the machinery.
- Prior to performing any service or maintenance follow POWER DISCONNECT SAFETY INSTRUCTIONS.

1-4 EMERGENCY SHUTDOWN


For emergency machine shutdown depress the E-STOP switch. The control panel is now completely disabled. Unplug power cords to inspect machine.



Depress E-STOP for complete shutdown.

If there are any questions as to the safe operation of this equipment, please do not hesitate to contact us at 1-800-797-8227.


! WARNING



Moving parts can crush and cut.
Equipment may start REMOTELY.
 Keep hands, feet, hair, loose clothing, jewelry & foreign objects clear from moving parts at all times.
 Never leave equipment operating unattended.
Hazardous voltage throughout machine.
Disconnect power before service or maintenance.
 Read and understand all instructions before operating, servicing, or maintaining equipment.

420Z-201B


! WARNING



Never operate with guard removed.
Moving parts can crush and cut.
Disconnect power before service or maintenance.



420Z-242

! WARNING



Never operate with guard removed.
Moving parts can crush and cut.
Disconnect power before service or maintenance.

420Z-242

POWER INPUT 120 VOLT   **POWER INPUT 120 VOLT**

! WARNING

This unit has TWO power cords.
Disconnect BOTH.

520A-038

! WARNING



Unprotected material discharge can cause injury.
 Always use hose when discharging material.
 Never direct discharged materials at bystanders or put hands or objects in the discharge stream.

420Z-217

! WARNING



Hazardous voltage.
 Risk of electric shock or burn.
Disconnect power before service or maintenance.

430Z-243

! WARNING





To reduce the risk of serious injury or death:
 Equipment must be operated, serviced and maintained by trained personnel.
 Read and understand all instructions before operating, maintaining or servicing this machine.



Scan code for instruction manual

420Z-235A

! WARNING


Hearing protection required **Eye protection required** **Breathing protection required** **Protective clothing required**

420Z-204



⚠ CAUTION

Loose hoses and cables can create trip points.

Be careful when stepping around equipment.

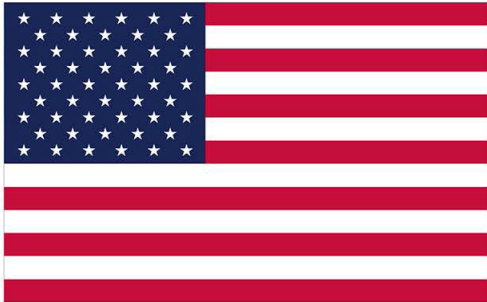
Keep hose and cable lengths organized.

420Z-202

NOTICE

Keep all debris clear from blower inlet. Failure to do so may result in blower damage and reduced performance. **Clean inlet area after each use.**

420Z-218



MADE IN USA
847-918-0111

520A-039

POWER DISCONNECT SAFETY INSTRUCTIONS

To disconnect power before reaching into the machine or performing service or maintenance:

- Turn OFF machine,
- Depress the E-Stop,
- Unplug **BOTH** power cords from wall socket and from machine.
- Power cords must remain **Under Exclusive Control** of user.

430Z-245

NOTICE

Do not force material down into the hopper when loading machine. Damage to machine may result and machine performance may suffer.

420Z-227





SECTION II APPLICATION - INTENT USE OF EQUIPMENT

The **MEYER Model 220 INSULATION BLOWING MACHINE** is designed to process and blow all of the currently available loose fill fiberglass and cellulose insulations on the market today.



WARNING: This equipment must be used only for the purpose for which it was intended. Any other use will void the warranty and could cause bodily injury to the operator and costly damage to the equipment



SECTION III RECEIVING AND UNCRATING

3-1 RECEIVING YOUR MACHINE

Immediately check the condition of your new machine as received. The unit was shipped in perfect condition and should arrive the same way. Your order may have shipped on multiple skids, verify your count equals that of the Bill Of Lading. If there are any missing items or visible problems, mark them on the Bill Of Lading that the carrier has and call his office immediately before the driver leaves your premises. As sympathetic as we are to any damages or shortages that occur in shipping, Wm. Meyer and Sons has no legal recourse for such claims. Title to your machine was transferred to the carrier as soon as it left our dock. However, please let us know by phone and writing about any problems so that we can assist you with immediate replacement parts or information.

3-2 UNPACKING

1. Carefully remove all shipping materials from the machine.
2. Check that all parts are included as stated on the Packing List that came with your shipment.
3. If anything is missing for any reason, please contact Wm. W. Meyer & Sons immediately.
4. Concealed Damage: If equipment or goods are discovered to be damaged in shipment at a later date, contact the carrier and Wm. W. Meyer & Sons immediately.



SECTION IV SPECIFICATIONS

EQUIPMENT SPECIFICATIONS

WIDTH: 29-1/2"

DEPTH: 21-1/2"

HEIGHT: 48"

WEIGHT: APPROX. 168 Lbs.

MACHINE COMPONENTS

1. FEEDER ASSEMBLY
2. HOPPER ASSEMBLY
3. CONTROL PANEL / ELECTRICAL
4. DRIVETRAIN (not shown)
5. ELECTRIC BLOWERS (not shown)
6. POWER INPUT CORDS
7. E-STOP
8. DISCHARGE TUBE
9. WHEELS
10. SLIDE GATE CONTROL

TWO OPERATORS NEEDED FOR SAFE OPERATION

1. One discharge hose operator.
2. One machine operator / material loader.





SECTION V OPERATING INSTRUCTIONS

5.1 CONTROL PANEL COMPONENT IDENTIFICATION

- **E-STOP Switch:** Emergency machine shutdown. (Push red button to shut down.) Twist red button clockwise to release and resume normal operation.
- **15 Amp Circuit Breaker:** This circuit breaker will trip if the motor experiences excessive load. Troubleshoot cause prior to reset. Do not disable. The Circuit Breaker is to help protect the machine and operator.
- **1 Amp Fuse:** Provides overload protection for the remote control power transformer.
- **Alarm:** This audible alarm sounds to alert an operator that the machine is about to commence operation.

5.2 STARTING YOUR MEYER INSULATION BLOWING MACHINE

1. Prior to starting your Model 220: check that all sprocket set screws are tight, chain tension is properly set and that all panels are installed / closed properly.
2. Locate two 115V/15A outlets on separate circuits.
3. Move your Model 220 to level ground where the power cords can reach the machine and the hose can reach where you are installing insulation. Attach the hose to the discharge tube.
4. Before plugging in the supplied Power Cords be sure that the hopper is clear of any foreign material and that personnel are clear of rotating parts. Plug in Power Cords.
5. Plug in the Remote Control Cord into the outlet on the control panel labeled REMOTE SWITCH by twisting clockwise.
6. Push Green START button.
7. Set the slide gate for your desired material.
8. Begin loading the hopper with material by cutting bags in half and loading the insulation past the center rod.
9. You are now ready to use the Remote Cord to start and stop the air and material systems of your machine.

NOTE: Detailed instructions for operating the machine can be found on the OPERATION QUICK REFERENCE sheet on the machine hopper.

5.3 SHUTDOWN PROCEDURE

Follow the POWER DISCONNECT SAFETY INSTRUCTIONS whenever a machine shutdown is required.

1. Turn OFF machine.
2. Depress E-Stop.
3. Unplug **BOTH** power cords from wall socket and from machine.
4. Power cords must remain **Under Exclusive Control** of user.

If the machine needs to be moved for any reason, follow the POWER DISCONNECT SAFETY INSTRUCTIONS, relocate the machine and then follow the start-up instructions.



SECTION VI MAINTENANCE



WARNING: NEVER PERFORM ANY MAINTENANCE ON THIS MACHINE WITHOUT FIRST FOLLOWING THE POWER DISCONNECT SAFETY INSTRUCTIONS. FAILURE TO DO SO CAN RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

6.1 GENERAL

Your MEYER Model 220 INSULATION BLOWING MACHINE is designed to be used with minimal maintenance for all its components. The following is only a guide; experience is the best guide for the right maintenance schedule for you. See your gearbox, motor and electric blower manuals for more information regarding those components.

DESCRIPTION	FIRST USE	250	500	1000
		HOURS	HOURS	HOURS
DRIVE ALIGNMENT & TENSION	X	X		
GREASE BEARINGS			X	
CHANGE SEALSTRIPS				X
CHECK ALL DRIVE SET SCREWS	X		X	

6.2 LUBRICATION

RECOMMENDED LUBRICATION:

ALL BEARINGS NLGI grade #2 LITHIUM GREASE

The hopper and feeder flange bearings have zerker fittings for regreasing. It is normal for the bearings to discharge extra grease when they have recently been greased.

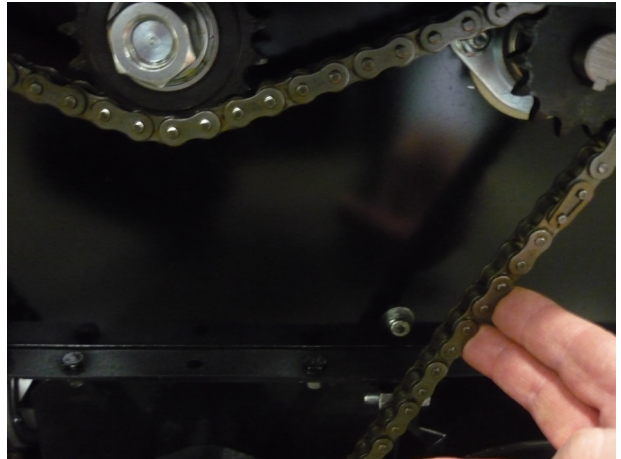
6.3 CHECKING HOPPER DRIVE CHAIN:



WARNING: NEVER open the Drive Guard Door without following the POWER DISCONNECT SAFETY INSTRUCTIONS first. Failure to do so can result in serious personal injury or death.

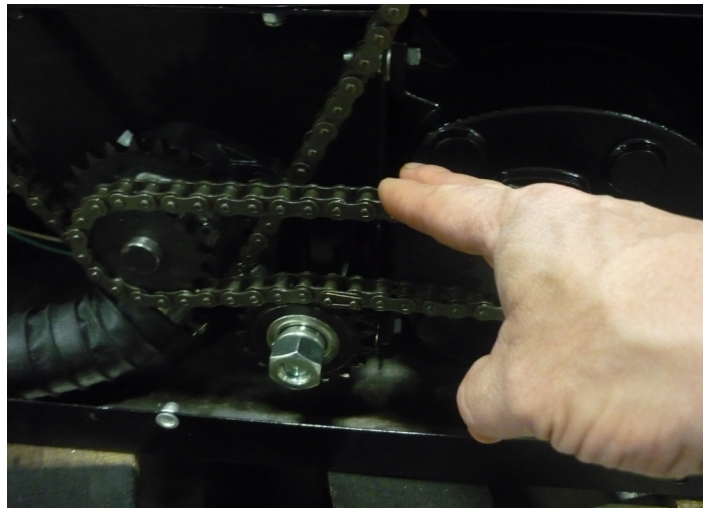


1. open the Drive Guard.



2. Inspect chain for looseness or misalignment and check for worn down teeth on sprockets.

3. With your fingertips press down on chain, if there is more than 3/4" deflection or play, your tensioner needs to be tightened or your chain needs to be replaced. When the tensioner must be adjusted, use two wrenches to loosen (but not remove) the fasteners holding it in place. Slide the bracket towards or away from the chain as necessary. Retighten the fasteners.



4. Replace the Drive Guard.

CONTACT YOUR MEYER FACTORY SERVICE REPRESENTATIVE FOR SPECIFIC SERVICE SHEETS.



SAFETY SUPPLEMENT

Effective 1-1-2015

ATTENTION INSTALLERS/OPERATORS FOR YOUR PROTECTION:

1. Read and understand the Operating Manual accompanying this equipment before performing any work.
2. Additional safety label kits are available from Meyer upon request at no charge. This is part of our effort to ensure this equipment is installed, operated and maintained in the safest possible manner. Affix these labels in locations to achieve maximum visibility and thereby alert any personnel that may ever be on-site that a potential for injury could occur.
3. Under no circumstances should this equipment be installed or operated in a manner that permits access to the interior of the insulation blowing machine.
4. Outlet connections must always have a hose attached.
5. ***Always power OFF the machine*** before performing any work.
6. Always keep loose clothing, hands, feet or any parts of your body, tools and/or any foreign objects away from the interior of hopper and hose.
7. Never remove the discharge hose that is attached to the machine without first powering OFF the machine.
8. Consult the Meyer factory if you have any questions regarding the proper installation, operation and maintenance of this equipment.

Wm. W. Meyer & Sons, Inc.

1700 Franklin Blvd • Libertyville, IL 60048 • Phone: 847-918-0111 • Fax: 847-918-8183


Website: <http://www.meyerinsulation.com>

File # 292-L-001

SAFETY LABELS


Locate all of the safety labels on your equipment and know their meaning before operating your Portable Vacuum.

! WARNING



Moving parts can crush and cut.
Equipment may start REMOTELY.
 Keep hands, feet, hair, loose clothing, jewelry & foreign objects clear from moving parts at all times.
 Never leave equipment operating unattended.
Hazardous voltage throughout machine.
Disconnect power before service or maintenance.
 Read and understand all instructions before operating, servicing, or maintaining equipment.


420Z-201B



! WARNING

Never operate with guard removed.
Moving parts can crush and cut.
Disconnect power before service or maintenance.



420Z-242



! WARNING

Never operate with guard removed.
Moving parts can crush and cut.
Disconnect power before service or maintenance.

420Z-242

POWER INPUT 120 VOLT  POWER INPUT 120 VOLT 

! WARNING

This unit has **TWO** power cords.
Disconnect BOTH.

520A-038



! WARNING

Unprotected material discharge can cause injury.
 Always use hose when discharging material.
 Never direct discharged materials at bystanders or put hands or objects in the discharge stream.

420Z-217



! WARNING

Hazardous voltage.
 Risk of electric shock or burn.
Disconnect power before service or maintenance.

430Z-243



! WARNING

To reduce the risk of serious injury or death:
 Equipment must be operated, serviced and maintained by trained personnel.
 Read and understand all instructions before operating, maintaining or servicing this machine.



Scan code for instruction manual

420Z-235A

! WARNING



Hearing protection required



Eye protection required



Breathing protection required



Protective clothing required

420Z-204



⚠ CAUTION

Loose hoses and cables can create trip points.

Be careful when stepping around equipment.

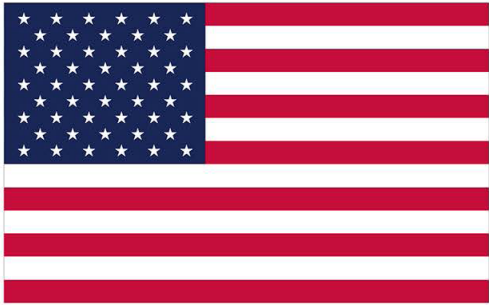
Keep hose and cable lengths organized.

420Z-202

NOTICE

Keep all debris clear from blower inlet. Failure to do so may result in blower damage and reduced performance. **Clean inlet area after each use.**

420Z-216



MADE IN USA
847-918-0111

520A-039

POWER DISCONNECT SAFETY INSTRUCTIONS

To disconnect power before reaching into the machine or performing service or maintenance:

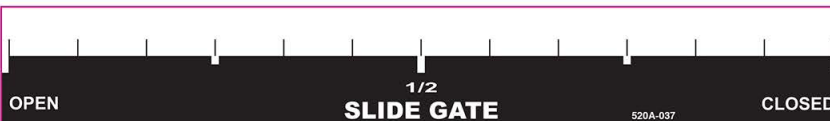
- Turn OFF machine,
- Depress the E-Stop,
- Unplug **BOTH** power cords from wall socket and from machine.
- Power cords must remain **Under Exclusive Control** of user.

430Z-245

NOTICE

Do not force material down into the hopper when loading machine. Damage to machine may result and machine performance may suffer.

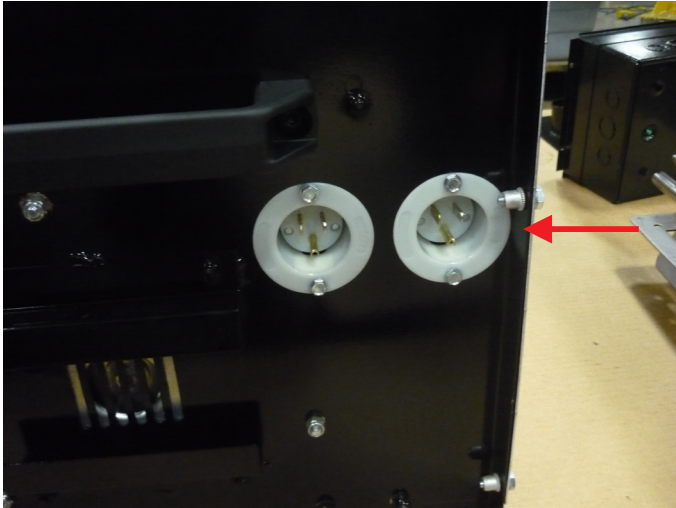
420Z-227



520A-037

NOTE: Contact Wm. W. Meyer & Sons, Inc. at 800-963-4458 for free replacement safety label kit.

MODEL 220 INSULATION BLOWING MACHINE SAFETY PRECAUTIONS



ALWAYS FOLLOW POWER DISCONNECT SAFETY INSTRUCTIONS BEFORE SERVICING OR MAINTAINING.

POWER DISCONNECT SAFETY INSTRUCTIONS

To disconnect power before reaching into the machine or performing service or maintenance:

- Turn OFF machine,
- Depress the E-Stop,
- Unplug **BOTH** power cords from wall socket and from machine.
- Power cords must remain **Under Exclusive Control** of user.

430Z-245



NEVER OPERATE
THE MACHINE
WITHOUT HOSE
ATTACHED TO THE
DISCHARGE TUBE.



Photos for reference only.