



# Series 1400

## Meyer Insulation Blower

### Models 1401, 1405 & 1406

#### INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS



Wm. W. Meyer & Sons, Inc.

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### 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 industry 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.

Installation, Operation 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. Additional information may be provided that pertains to your specific piece of equipment upon request.

#### **SAFETY FIRST!**



**DANGER**

Indicates the presence of a hazardous situation that, if not avoided, WILL result in death or serious injury.



**WARNING**

Indicates the presence of a hazardous situation that, if not avoided, COULD result in death or serious injury.



**CAUTION**

Indicates the presence of a hazardous situation that, if not avoided, COULD result in minor or moderate injury.

**NOTICE**

Indicates information that is important, but is not related to a particular hazard.

## 1-1 GENERAL SAFETY INFORMATION

- 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 disable any safety features. They are there for your protection.
- Always use qualified personnel when repairing or maintaining the equipment.
- 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.
- If a malfunction should occur, turn the machine off immediately and correct the problem, before restarting the machine.

 **WARNING** FOLLOW THESE SAFETY INSTRUCTIONS.

### Emergency Shut Down Procedure

Push the E-Stop Button in. This will stop the machine completely. Before continuing operation you must determine the reason for the E-Stop. Turn the engine ignition key to the OFF position and remove the key. Disconnect the fuel line and close the vent on the fuel tank. Disconnect the negative battery terminal and secure it using the lockout box. Follow your employer's Lockout/Tag out procedures. After the issue has been identified and corrected the machine may be put back into operation.

## 1-2 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.
- Keep the blowing hose in good repair.
- Never use anything to push material in the hopper. The hopper has been designed to move the material in the proper fashion and speed to the front of the hopper.
- Never operate the machine without the blower inlet screen in place.
- Do not change the fuse ratings or bypass the fuses.
- Obey all safety labels and instructions affixed to the machine. Do not point discharge hose at anything other than empty space, do not place hand(s) or any objects in material discharge stream.
- Never run the machine speed faster than the factory settings.
- Always wear proper protection when handling the battery. This includes eye protection proper gloves and proper clothing.
- Always wear proper personal protective equipment including but not limited to eye protection, hearing protection, respirator and gloves.
- Do not smoke while operating the machinery.
- Prior to performing any service or maintenance follow MACHINE SAFETY SHUTDOWN INSTRUCTIONS.

If there are any questions as to the safe operation of this equipment, please do not hesitate to contact us at 1-800-963-4458.

# WARNING



**Machine is operated by remote control and can start at any time.**

**Moving parts can crush and cut.**

**Follow Machine Safety Shutdown Instructions** (near control panel) before removing guards, servicing, or performing maintenance or when reaching into any work zone to make adjustments, clear product and supplies, clean the equipment, or investigate a malfunction.



**Follow all safety instructions** to reduce the risk of serious injury or death from electrical shock, moving parts, thrown objects, or other hazards.



**Intended use and use environment**

This machine is suitable for Loose Fill insulation only. Any other use could cause serious injury, costly damage to the equipment and will void the warranty.

Operate only in well ventilated areas. Failure to do so could result in death due to carbon monoxide poisoning.

Questions regarding safety, operation, and application suitability should be directed to Wm. W. Meyer and Sons, Inc.



**Qualifications and responsibilities**

Always refer to applicable safety standards and local requirements when using this equipment.

**Owner responsibilities:**

- Provide operation and maintenance personnel with the Installation, Operation, and Maintenance Instructions (additional copies available from Wm. W. Meyer and Sons, Inc.)
- Make sure personnel are properly trained on equipment use and safety.



**Operation and Maintenance Personnel responsibilities:**

- Be properly qualified to operate or service the equipment:
  - Read and follow all instructions on the equipment labels and in the Installation, Operation, and Maintenance Instructions, including appropriate supporting vendor information.
  - Never operate or maintain this equipment under the influence of alcohol or drugs or conditions which reduce alertness or judgment.
- Always wear proper hearing, eye and breathing protection along with protective clothing.



**Operating location**

- An operator must always be close enough to the machine to promptly turn it off in case of emergency.
- Never blow insulation on or near sources of heat, flame, sparks or static discharge.



**Keep yourself and others clear of machine and discharge**

- Never operate the machine without all guards properly installed.
- Keep hands, feet, hair, loose clothing, jewelry and any foreign objects away from moving parts during operation.
- Never allow untrained personnel in the area near the equipment or the air/material discharge location.
- Never direct discharged materials at bystanders or put hands or objects in the discharge stream.



DO NOT REMOVE or disfigure this or any other instruction/safety label.

## MACHINE START UP INSTRUCTIONS

1. Read and understand the Operation and Maintenance manual before starting machine
2. Consult the Engine Operator's Manual for proper choke and throttle position settings for start-up.
3. Doors to the truck/trailer must be open and no fuel vapor present.
4. Turn the Remote On/Off selector switch counter clockwise.
5. Set the Remote Cord Switch to the Off position. (Center)
6. E-Stop button should be released. (Turn CW to release)
7. Attach the fuel line and open the vent on the fuel tank.
8. Turn the engine ignition key to On, this will energize the panel.
9. Close the slide gate.
10. The Green Power light will illuminate. The Red Low Oil Pressure light will turn on and the Red High Temperature light should be off.
11. On diesel engine machines; turn and hold the Key Switch CCW to the Glow Plug Position. The Red Glow Plug Light will illuminate for 6 seconds. After it goes out, release the Key and it will return to the Off position.
12. Depress and hold the Green Start Button, turn the Key Switch CW to the start position. The engine will start. Continue to hold the Green Start Button until the Red Low Oil Pressure light goes out. When the Green Start Button is released it should remain lit.
13. Switch on the remote by turning the On/Off Selector Switch clockwise. The Remote Control is now energized and can be used to control the machine.
14. Open the slide gate and set it based on your blowing material.

420Z-269

## MACHINE SHUTDOWN INSTRUCTIONS

1. Close the slide gate.
2. Set the Remote Control Switch to Air to clear the hose of material. When the hose is clear, switch the Remote Control to off and disconnect it from the control panel.
3. Reduce engine speed to 500 RPM. Let it idle for a couple of minutes to cool down.
4. Turn the engine ignition key to the OFF position. Remove the key.

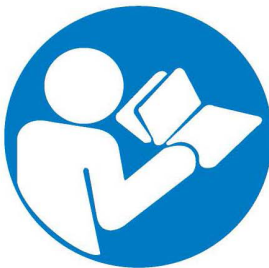
420Z-250

## MACHINE SAFETY SHUTDOWN INSTRUCTIONS

Before reaching into the machine or performing any service or maintenance, the following steps must be taken to ensure that the machine cannot be started or operated.

1. Follow the Machine Shutdown Instructions.
2. Disconnect the fuel tank and close the vent on the tank.
3. Disconnect the negative battery terminal and secure it.
4. Follow your employer's Lockout/Tagout procedures.

420Z-256



## 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, servicing or maintaining this machine.



Scan code for instruction manual

420Z-251

## WARNING



Hearing protection required



Eye protection required



Breathing protection required



Protective clothing required

420Z-204



**! WARNING**

**Hot surface.  
Do NOT touch.**

420Z-233



**! DANGER**

**Rotating parts  
inside.**

Follow machine safety  
shutdown instructions before  
service or maintenance.

420Z-249



**! DANGER**

Engines produce **carbon monoxide** which is an odorless deadly poison. **DO NOT OPERATE** in an enclosed area.

420Z-234

**! WARNING**



**FIRE Hazard**

Disconnect fuel tank when not in use.  
Secure tank when transporting machine.  
Do not store fuel tank in enclosed space.

420Z-289



**! WARNING**

**Moving parts can crush and cut.**  
Never operate with guard removed.  
**Follow machine safety shutdown instructions** before service or maintenance.

420Z-253



**! WARNING**

**Open all doors on the truck body/trailer and wait 10 minutes before starting engine.**

This ventilates fuel vapors and reduces the risk of fire and explosions.

**DO NOT** start engine if fuel vapors are present.

420Z-258



**! 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**

**Do not reach into hopper.**

Moving parts can crush and cut.

**Follow machine safety shutdown instructions** before service or maintenance.

420Z-260



## SECTION II APPLICATION - INTENDED USE OF EQUIPMENT

The **MEYER SERIES 1400 INSULATION BLOWING MACHINE** is designed to process and blow all of the currently available loose fill fiberglass and cellulose insulations on the market today.

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



## 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. Ownership of the goods was transferred to the carrier as soon as it left our dock. 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 their office immediately before the driver leaves your premises. Meyer cannot file a claim on your behalf; 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 UNCRATING YOUR MACHINE

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. If the equipment or goods are discovered to be damaged in a shipment at a later date, contact the carrier and Wm. W. Meyer & Sons immediately.



## SECTION IV SPECIFICATIONS

### EQUIPMENT SPECIFICATIONS

WIDTH: 86" (218cm)  
DEPTH: 49" (125cm)  
HEIGHT: 72" (183cm)  
WEIGHT: APPROX. 1,950 LBS. (884 kgs.)  
NOISE LEVEL: 85 dBA @ 1 Meter

### TEMPERATURE AND HUMIDITY LIMITS

Operating Temperature: -25°C to +25°C  
Transportation Temperature: 0°C to 40°C  
Humidity Limits: Rated up to 95%

## MACHINE COMPONENTS

- Feeder Assembly
- Hopper Assembly
- Control Panel/Electrical
- Engine
- Dual Clutch Drivetrain

**⚠ WARNING** Two operators needed for safe operation.

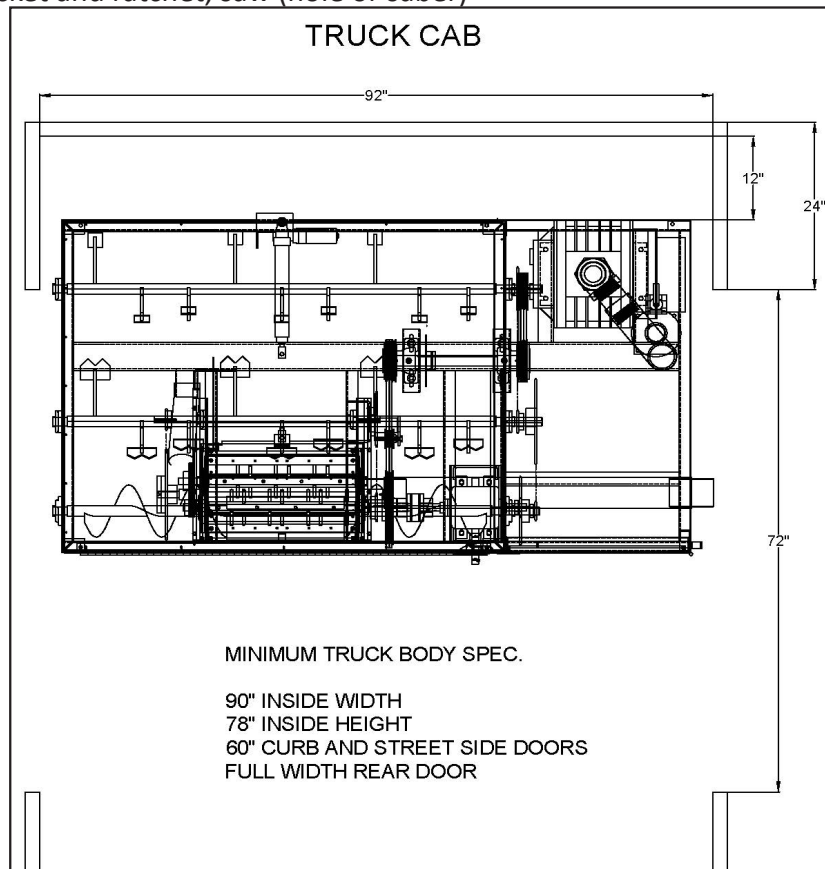
- One hose operator
- One machine operator/loader

## Machine Installation

The truck that the machine is to be mounted in should have a minimum body length of 22' with a minimum GVWR of 21,000 lbs., double side door and a full width rear door.

Tools and material needed for installation:

- Drill and drill bits
- 3/8" bolts or lag screws
- Exhaust pipe fittings from the machine to underneath the truck
- Fork lift or other safe means to lift the machine
- Pry bar(s)
- Screw driver, socket and ratchet, saw (hole or saber)





1. Move the machine into position noting that you will need to have access to the rear of the machine. With the machine in position; mark the truck floor where the engine exhaust will go through the floor and mark the base's mounting hole locations. Mark the truck floor where the blower inlet pipe will go through.
2. The machine can be left in place or moved to provide better access to the areas that need to be drilled/cut. Using an 1/8" bit, drill pilot holes to determine if there is anything under the truck floor that would interfere with the mounting fasteners, the engine exhaust pipe or the blower inlet pipe. If there is; move the holes accordingly.
3. Cut a 3" hole in the floor for the exhaust pipe and a 3 1/2" hole for the blower inlet pipe. Install the flashing for both (included-steel for exhaust, rubber for blower), center it in the hole and tack it down.
4. Drill holes for the machine mounting bolts. The size depends on what type and size of fasteners you are using. Secure the machine to the truck floor.

**!WARNING** The engine and engine exhaust piping could be extremely hot and could cause burns. In addition; if flammable material comes in contact with these surfaces it could ignite. Due to the variability of installations Meyer cannot provide a guard for the engine exhaust piping. The installer of the equipment must take the necessary steps to guard this surface from contact.

**!WARNING** The engine exhaust pipe outlet must be routed away from the blower intake underneath the truck/trailer. Failure to do so could result in carbon monoxide being pumped into the building being insulated. This would be a life threatening situation for both the installer and the building occupants.

5. Install the exhaust pipe and fittings (not included). Be sure to securely attach both ends of the exhaust extension. Exhaust pipe outlet must be directed away from blower inlet and away from any fuel tanks located beneath the truck. Thread in the blower inlet pipe and screen (included) up through the rubber flashing.



## SECTION V OPERATING INSTRUCTIONS

**!WARNING** Before starting the machine; check that no foreign material is in the hopper, that the blowing hose is connected and the hose operator is in position. Ensure that the only people around the machine are those involved with its operation.

**!WARNING** POISONOUS GAS HAZARD. Engine exhaust contains carbon monoxide, a poisonous gas that could kill you in minutes. You CANNOT see it, smell it, or taste it. Even if you do not smell exhaust fumes, you could still be exposed to carbon monoxide gas. If you start to feel sick, dizzy, or weak while using this product, shut it off and get to fresh air immediately. Seek medical attention immediately. You may have carbon monoxide poisoning.

### PRE-START CHECKS

1. The doors to the truck/trailer must be open so that the operator and machine have adequate ventilation.

2. If there is a fuel odor, wait 10 minutes to allow the fuel vapor to dissipate before proceeding.
3. The blowing hose must be attached and the operator in position.
4. Check that the switch on the Remote Control Cord is in the OFF position. Connect the cord to the control panel. Note: Starting the machine with the switch set to AIR or AIR/MATERIAL will overload the clutch and the engine.

**⚠ WARNING** Do not overfill the fuel tank. Allow room for expansion of the fuel. Fill the tank away from the engine and avoid spills. The fuel tank must be in contact with the ground before and during filling. Keep the fuel nozzle in contact with the fill opening at all times. Do not let the fuel line come in contact with the exhaust system. Fuel for this machine is highly flammable; failure to follow these precautions could lead to a fire and serious injury or death.

**⚠ WARNING** Do not operate the machine with any guards removed. The drive components must be guarded before starting your machine and must remain guarded during operation. Failure to do so could lead to serious injury or death.

### **MACHINE START UP INSTRUCTIONS**

Read and understand the Operation and Maintenance manual before starting machine.

1. Doors to the truck/trailer must be open and no fuel vapor present.
2. Turn the Remote On/Off selector switch counter clockwise. (Off Position)
3. Set the Remote Cord Switch to the Off position. (Center)
4. E-Stop button should be released. (Turn CW to release)
5. Attach the fuel line and open the vent on the fuel tank.
6. Turn the engine ignition key to On, this will energize the panel.
7. Close the slide gate.
8. The Green Power light will illuminate. The Red Low Oil Pressure light will turn on and the Red High Temperature light should be off.
9. On diesel engine machines; turn and hold the Key Switch CCW to the Glow Plug position. The Red Glow Plug Light will illuminate for 6 seconds. After it goes out, release the Key and it will return to the Off position. The glow plugs pre-heat the diesel and it should be ready to start.
10. Depress and hold the Green Start Button, turn the Key Switch CW to the start position. The engine will start. Continue to hold the Green Start Button until the Red Low Oil Pressure light goes out. When the Green Start Button is released it should remain lit.
11. Run the engine at half speed until the engine warms up, approximately 5 minutes. Then set the engine speed using the throttle. Tachometer should read 1108 Rpm.
12. Switch on the Remote by turning the On/Off Selector Switch clockwise. The Remote Control is now energized and can be used to control the machine.
13. Open the slide gate and set it based on your blowing material. Turn the slide gate selector switch CCW to open (Green light illuminates) and CW to close (yellow light illuminates).

## MACHINE SHUTDOWN INSTRUCTIONS

1. Close the slide gate. (Turn selector switch CW)
2. Set the Remote Control Switch to Air to clear the hose of material. When the hose is clear of material, switch the Remote Control to OFF and disconnect it from the control panel.
3. Turn the Remote On/Off selector switch counter clockwise.
4. Push the throttle all the way in, let it idle for a couple of minutes to cool down.
5. Turn the engine ignition key to the OFF position. Remove the key.

## MACHINE SAFETY SHUTDOWN INSTRUCTIONS

1. Follow the MACHINE SHUTDOWN INSTRUCTIONS.
2. Disconnect the fuel tank and close the vent on the tank.
3. Disconnect the negative battery terminal and secure it.
4. Follow your employer's Lockout/Tag out procedures.

**NOTE:** Whenever the machine is not in use or is being transported, disconnect the fuel line from the engine and close the vent on the fuel tank. Secure the tank before transporting the machine.



### **WARNING**

Before performing any maintenance or service ensure that the machine cannot be started. Failure to do so could lead to serious injury or death.

The machine must be shutdown properly; the fuel line must be disconnected, the vent on the fuel tank closed, and the negative battery disconnected and secured according to your employer's Lockout/Tag out procedures.

For engine service or maintenance see the engine Operator's Manual.

Your Meyer Series 1400 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 your machine.

ALL BEARINGS	NLGI grade #2 LITHIUM GREASE
DRIVE CHAIN	30W NON DETERGENT MOTOR OIL
BLOWER	OIL: AEON NLGI grade #2 LITHIUM GREASE
ENGINE	SAE 10W30 MOTOR OIL
REDUCER GEARBOX	AGMA #8 GEAR OIL

DESCRIPTION	EACH SHIFT	20 HOURS	100 HOURS	250 HOURS	500 HOURS
INSPECT ALL DRIVES	X				
CHECK GUARDS	X				
DRIVE ALIGNMENT & TENSION		X			
CHECK ENGINE EXHAUST PIPE	X				
GREASE BLOWER BEARINGS					X
GREASE HOPPER BEARINGS					X
CHANGE ENGINE OIL FILTER			X		
CHANGE BLOWER OIL					X
CHANGE GEAR BOX OIL					X
CLEAN INLET SCREEN (BLOWER)	X				
CHANGE SEALSTRIPS					X
OIL DRIVE CHAINS					X
CHECK ALL DRIVE SET SCREWS					X
ENGINE AIR FILTER			X		
CLEAN INLET FILTER (ENGINE)	X				



**WARNING** Removing guards exposes personnel to moving parts. Prior to removing any guards the machine must be prevented from starting and the parts from moving. Remove the key from the engine ignition/truck ignition (PTO), disconnect the fuel line, and disconnect the negative battery terminal and secure it. Follow your employer's Lockout/Tag out procedures.

In order to perform any service or maintenance on the machine the guards must be removed.

1. Follow MACHINE SAFETY SHUTDOWN INSTRUCTIONS.
2. Remove the guards as necessary to work on the machine.
3. Replace the guards after completing the service or maintenance and before operation.

When replacing or tightening drive belts or chain it is imperative that the drive components – sprockets or sheaves are in line with each other. Use a straight edge of sufficient length to make the determination.

Replace the drive belts if there are signs of cracking or wear. If belts are slipping or squealing during operation adjust them by moving the drive/driven components in the appropriate direction to restore proper tension.

Check the tension on the chain drives when they are lubricated. On the hopper chain drives if there is more than 3/4" deflection or play measured equidistant between the sprockets, the chain needs to be replaced.



## SECTION VII TROUBLESHOOTING

If the machine is not running properly check for the simple causes first; closed slide gate, broken chain, machine speed etc.

### **Machine is running but no material is discharging from hose.**

- Slide gate is in the closed position.
- Clutch is in **OFF** position.
- Feeder shear pin is broken.
- Remote Control wire or panel connector is broken or damaged.
- Remote Control wire board connections loose.
- Faulty clutch relay on circuit board or faulty circuit board.
- Drive belt is slipping or broken.
- Feeder chain is off the sprocket or broken.
- Hopper chains are off their sprockets or broken.
- Material jam in machine or hose.
- Hose is bent or closed off from machine to attic.
- Worn out seals in feeder causing air pressure blowback.

### **Low material output.**

- Check slide gate position.
- Partial obstruction in hopper or hose.
- Hose is kinked or torn.
- Clutch is slipping.
- Machine speed is too low.
- Blower inlet is clogged.
- Blower outlet tubing to feeder has slipped off its connection.
- Bleed valve assembly is in the open position.
- Operator is overfilling hopper resulting in material top pressure which can lead to material bridging above the feed reel.
- Material is sticking to agitator or feed reel from forcing too much material into the hopper, this practice causes less material to be conveyed through the system due to build up on surfaces.

### **Machine or engine seems sluggish while blowing material.**

- Engine is overheating due to low RPM.
- Engine is overheating due to cooling shrouds clogged with insulation.
- Material is wet inside hopper.

- Too much material forced into hopper.
- Clutch slipping during operation.
- Too many hose reductions.
- Obstruction at blower inlet
- Drive belts may be slipping.
- Gear Box oil is low or empty.
- Loose drive components.

**Engine runs but sometimes misfires while blowing material.**

- Poor fuel in tank.
- Dirt or water in the fuel system.
- Spark plug wire is loose.
- Oil sentry wires connectors are loose.
- Loose wires or connections at circuit board behind control panel.
- Faulty circuit board.
- Faulty engine ignition module.
- Engine overheating.

**Unusual sounds coming from machine during operation.**

- High pitched squeal near perforated guards - Check for loose drive belts.
- Metal scraping sound when shutting down machine - Clutch plate is rubbing.
- Banging sound from hopper area – Loose object has fallen into hopper.
- Constant air leaking sound while machine is in operation – Bleed valve is open or loose tubing between the blower and feeder.



# SAFETY SUPPLEMENT

Effective 8-24-2016

## 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 follow machine safety shutdown instructions*** 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.

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Website: <http://www.meyercontractor.com> or [www.wmwmeyer.com](http://www.wmwmeyer.com)

File # 292-O-001

## SAFETY LABELS

Locate all of the safety labels on your equipment and know their meaning before operating your Insulation Blowing Machine.



# WARNING



**Machine is operated by remote control and can start at any time.  
Moving parts can crush and cut.**

**Follow Machine Safety Shutdown Instructions** (near control panel) before removing guards, servicing, or performing maintenance or when reaching into any work zone to make adjustments, clear product and supplies, clean the equipment, or investigate a malfunction.



**Follow all safety instructions** to reduce the risk of serious injury or death from electrical shock, moving parts, thrown objects, or other hazards.



### Intended use and use environment

This machine is suitable for Loose Fill insulation only. Any other use could cause serious injury, costly damage to the equipment and will void the warranty.

Operate only in well ventilated areas. Failure to do so could result in death due to carbon monoxide poisoning.



Questions regarding safety, operation, and application suitability should be directed to Wm. W. Meyer and Sons, Inc.



### Qualifications and responsibilities

Always refer to applicable safety standards and local requirements when using this equipment.

#### Owner responsibilities:

- Provide operation and maintenance personnel with the Installation, Operation, and Maintenance Instructions (additional copies available from Wm. W. Meyer and Sons, Inc.)
- Make sure personnel are properly trained on equipment use and safety.



#### Operation and Maintenance Personnel responsibilities:

- Be properly qualified to operate or service the equipment:
  - Read and follow all instructions on the equipment labels and in the Installation, Operation, and Maintenance Instructions, including appropriate supporting vendor information.
  - Never operate or maintain this equipment under the influence of alcohol or drugs or conditions which reduce alertness or judgment.
- Always wear proper hearing, eye and breathing protection along with protective clothing.



### Operating location

- An operator must always be close enough to the machine to promptly turn it off in case of emergency.
- Never blow insulation on or near sources of heat, flame, sparks or static discharge.



### Keep yourself and others clear of machine and discharge

- Never operate the machine without all guards properly installed.
- Keep hands, feet, hair, loose clothing, jewelry and any foreign objects away from moving parts during operation.
- Never allow untrained personnel in the area near the equipment or the air/material discharge location.
- Never direct discharged materials at bystanders or put hands or objects in the discharge stream.



DO NOT REMOVE or disfigure this or any other instruction/safety label.



## MACHINE START UP INSTRUCTIONS

1. Read and understand the Operation and Maintenance manual before starting machine
2. Consult the Engine Operator's Manual for proper choke and throttle position settings for start-up.
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4. Turn the Remote On/Off selector switch counter clockwise.
5. Set the Remote Cord Switch to the Off position. (Center)
6. E-Stop button should be released. (Turn CW to release)
7. Attach the fuel line and open the vent on the fuel tank.
8. Turn the engine ignition key to On, this will energize the panel.
9. Close the slide gate.
10. The Green Power light will illuminate. The Red Low Oil Pressure light will turn on and the Red High Temperature light should be off.
11. On diesel engine machines; turn and hold the Key Switch CCW to the Glow Plug Position. The Red Glow Plug Light will illuminate for 6 seconds. After it goes out, release the Key and it will return to the Off position.
12. Depress and hold the Green Start Button, turn the Key Switch CW to the start position. The engine will start. Continue to hold the Green Start Button until the Red Low Oil Pressure light goes out. When the Green Start Button is released it should remain lit.
13. Switch on the remote by turning the On/Off Selector Switch clockwise. The Remote Control is now energized and can be used to control the machine.
14. Open the slide gate and set it based on your blowing material.

420Z-269

## MACHINE SHUTDOWN INSTRUCTIONS

1. Close the slide gate.
2. Set the Remote Control Switch to Air to clear the hose of material. When the hose is clear, switch the Remote Control to off and disconnect it from the control panel.
3. Reduce engine speed to 500 RPM. Let it idle for a couple of minutes to cool down.
4. Turn the engine ignition key to the OFF position. Remove the key.

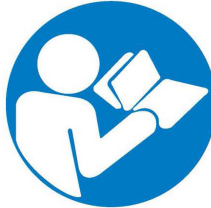
420Z-250

## MACHINE SAFETY SHUTDOWN INSTRUCTIONS

Before reaching into the machine or performing any service or maintenance, the following steps must be taken to ensure that the machine cannot be started or operated.

1. Follow the Machine Shutdown Instructions.
2. Disconnect the fuel tank and close the vent on the tank.
3. Disconnect the negative battery terminal and secure it.
4. Follow your employer's Lockout/Tagout procedures.

420Z-256



## 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, servicing or maintaining this machine.



Scan code for instruction manual

420Z-251



## WARNING

Hot surface.  
Do NOT touch.

420Z-233



Hearing protection required



Eye protection required



Breathing protection required



Protective clothing required

420Z-204



## DANGER

Engines produce carbon monoxide which is an odorless deadly poison. DO NOT OPERATE in an enclosed area.

420Z-234



## DANGER

Rotating parts inside.

Follow machine safety shutdown instructions before service or maintenance.

420Z-248



## WARNING

**FIRE Hazard**  
Disconnect fuel tank when not in use.  
Secure tank when transporting machine.  
Do not store fuel tank in enclosed space.

420Z-259



## WARNING

Moving parts can crush and cut.  
Never operate with guard removed.  
Follow machine safety shutdown instructions before service or maintenance.

420Z-253



## 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

Do not reach into hopper.  
Moving parts can crush and cut.  
Follow machine safety shutdown instructions before service or maintenance.

420Z-260



## WARNING

Open all doors on the truck body/trailer and wait 10 minutes before starting engine.

This ventilates fuel vapors and reduces the risk of fire and explosions.

DO NOT start engine if fuel vapors are present.

420Z-258

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

# SERIES 1400 INSULATION BLOWING MACHINE

## SAFETY PRECAUTIONS

### MACHINE SHUTDOWN INSTRUCTIONS

1. Close the slide gate.
2. Set the Remote Control Switch to Air to clear the hose of material. When the hose is clear, switch the Remote Control to off and disconnect it from the control panel.
3. Reduce engine speed to 500 RPM. Let it idle for a couple of minutes to cool down.
4. Turn the engine ignition key to the OFF position. Remove the key.

420Z-250

### MACHINE SAFETY SHUTDOWN INSTRUCTIONS

Before reaching into the machine or performing any service or maintenance, the following steps must be taken to ensure that the machine cannot be started or operated.

1. Follow the Machine Shutdown Instructions.
2. Disconnect the fuel tank and close the vent on the tank.
3. Disconnect the negative battery terminal and secure it.
4. Follow your employer's Lockout/Tagout procedures.

420Z-256



**NEVER OPERATE THE MACHINE WITHOUT GUARDS IN PLACE**

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