

# Operation and Safety Guide

## MEYER MACHINE & EQUIPMENT

### INSULATION REMOVAL VACUUM

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

Support Phone No. 800-728-3828



## WARNING

### SAFETY TOPICS:

For more information or a copy of the instruction manual, please visit <https://www.meyermachine.com>



### SAFETY CHECKLIST:



1. Always place vacuum assembly **OUTDOORS** in a well ventilated area away from walls and overhead cover.
2. Arrange vacuum assembly so that discharge is not directly pointed at a person or object.  
**Material discharges from the vacuum fan assembly at a VERY HIGH VELOCITY, being struck by this material WILL cause personal injury or death.**

### WARNINGS:



**ALL PERSONS WHO PLAN TO OPERATE THIS MACHINERY SHOULD READ, AND UNDERSTAND THE INSTALLATION, OPERATION AND MAINTENANCE MANUAL BEFORE USE.**



**USE SAFETY GLASSES OR GOGGLES, AND DUST MASK WHEN VACUUMING WITH THIS EQUIPMENT.**

VACUUMING LARGE OR HARD MATERIAL WILL DAMAGE THE VACUUM AND ENGINE ASSEMBLY. ANY VACUUM THAT VIBRATES VIOLENTLY MAY HAVE AN OUT OF BALANCE OR DAMAGED FAN WHEEL AND SHOULD NOT CONTINUE TO BE OPERATED. **OPERATION UNDER SUCH CONDITIONS WILL CAUSE FURTHER DAMAGE TO THE VACUUM AND ENGINE ASSEMBLY, AND WILL FURTHER RESULT IN PERSONAL INJURY OR DEATH OF OPERATOR/S AND PERSONS NEAR IT.**



THIS VACUUM ASSEMBLY IS POWERED BY AN INTERNAL COMBUSTION ENGINE THAT PRODUCES CARBON MONOXIDE GASSES. IT IS IMPORTANT TO OPERATE THIS DEVICE, ONLY IN A WELL VENTILATED, OUTDOOR AREA. **FAILURE TO DO SO, WILL RESULT IN PERSONAL INJURY OR DEATH OF OPERATOR/S AND PERSONS NEAR IT.**



THIS VACUUM ASSEMBLY HAS A ROTATING FAN WHEEL. NEVER OPERATE THIS VACUUM ASSEMBLY WITHOUT A VACUUM HOSE ON THE INLET/COVER PLATE, AND A BAG OR HOSE ON THE VACUUM DISCHARGE. NEVER PLACE YOUR HANDS OR ANY PART OF YOUR BODY NEAR THE INLET OR DISCHARGE OF THE VACUUM ASSEMBLY WHILE IT IS RUNNING. **DOING SO WILL RESULT IN PERSONAL INJURY OR DEATH OF OPERATOR/S AND PERSONS NEAR IT.**



### Tool Application:

The vacuum you are using is designed to handle soft, lightweight debris (loosefill insulation, leaves, sawdust, etc.)

### Tool Operation:

Step	Action
<b>NOTE:</b>	<b>IMPORTANT! Review safety checklist on the left side of this page!</b>
1	Connect Disposable Filter Bag or Discharge Hose on fan discharge connection using fabric strap clamp
2	Connect Vacuum Hose to Inlet connection using steel strap clamp
3	Check engine fuel level, add fluid if necessary
4	Set Engine Electrical switch to "ON" position (if applicable)
5	Set Engine choke lever to "ON" position for cold starts, if necessary
6	Pull-start engine or use 12 volt key switch (if applicable) <ul style="list-style-type: none"> <li>· Allow recoil rope to fully retract between starting attempts</li> <li>· Repeat starting attempts as necessary to start engine</li> </ul>
7	Upon engine start-up, adjust choke lever to "OFF" position, allowing engine to run smoothly, if necessary
8	Slowly increase engine throttle lever to full speed, over 10 sec. period
9	Begin vacuuming material - Allow at least 60% air to 40% material ratio. <b>AIR IS NECESSARY, AND THE ONLY MEANS OF MOVING THE MATERIAL THROUGH THE HOSE.</b>
10	<b>Watch disposable bag surface tension</b> - Disposable bags collect material & filter Air. As bag pores fill with fine dust, the bag breathes less efficiently. Tapping the bag with a broomstick or similar device can help to allow bags to breathe better by releasing dust from bag pores. If bag surface tension becomes taught like a balloon and cannot be improved, the bag should be changed immediately.
11	<b>Large material WILL damage the components of the fan and/or vacuum system.</b> Avoid sucking up articles that are larger or harder than a standard tennis ball (wood chunks, rocks, piles of nails & screws, rebar, etc.)
12	<b>Upon filling the disposable bag:</b> <ul style="list-style-type: none"> <li>· Turn the engine off by adjusting the throttle and/or turning the electrical switch to the "OFF" position</li> <li>· Remove the filled bag from the vacuum discharge using caution not to rip the bag material</li> <li>· Install an empty bag if further vacuuming is necessary</li> <li>· Repeat engine start-up and vacuuming procedures, as necessary</li> </ul>
13	<b>Upon completion of vacuuming job:</b> <ul style="list-style-type: none"> <li>· Be sure to empty all material from vacuum hoses</li> <li>· Allow vacuum to run full throttle with disposable bag connected</li> <li>· Disconnect hoses from the operator end, one at a time</li> <li>· Turn vacuum assembly &amp; engine off before disconnecting the last vacuum hose</li> <li>· Shaking hoses can help move settled material down the line</li> <li>· Bring engine speed to idle for 30 seconds, then turn engine off</li> <li>· After allowing the engine and exhaust to cool, clean any residual material from the vacuum assembly and engine surfaces</li> </ul>
14	<b>When transporting the vacuum:</b> <ul style="list-style-type: none"> <li>· Make sure to turn engine electrical switch and fuel switch to "OFF" position (as applicable)</li> <li>· Secure the vacuum in your vehicle, keeping the assembly in an UP-RIGHT position</li> </ul>

Material Type	R-Value/Inch	Depth of Insulation (Inches)									
		R-Values									
Fiberglass	2.2	8	13	17	20	30	40	50	60		
Cellulose	3.21	3.6	5.9	7.7	9.1	13.6	18.2	22.7	27.3		
Mineral-Wool	3.1	2.5	4.0	5.3	6.2	9.3	12.5	15.6	18.7		
		2.6	4.2	5.5	6.5	9.7	12.9	16.1	19.4		

R-Value	Material Type	Approximate Bags Needed for Removal Containment									
		Area of Removal									
8	Fiberglass	200	400	600	800	1000	1200	1400	1600	1800	2000
	Cellulose	0.8	1.6	2.4	3.2	4.0	4.8	5.7	6.5	7.3	8.1
13	Mineral Wool	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.4	5.0	5.5
	Fiberglass	1.3	2.6	3.9	5.3	6.6	7.9	9.2	10.5	11.8	13.1
17	Cellulose	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	9.0
	Mineral Wool	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.5	8.4	9.3
20	Fiberglass	1.7	3.4	5.2	6.9	8.6	10.3	12.0	13.7	15.5	17.2
	Cellulose	1.2	2.4	3.5	4.7	5.9	7.1	8.2	9.4	10.6	11.8
30	Mineral Wool	1.2	2.4	3.7	4.9	6.1	7.3	8.5	9.7	11.0	12.2
	Fiberglass	2.0	4.0	6.1	8.1	10.1	12.1	14.1	16.2	18.2	20.2
40	Cellulose	1.4	2.8	4.2	5.5	6.9	8.3	9.7	11.1	12.5	13.8
	Mineral Wool	1.4	2.9	4.3	5.7	7.2	8.6	10.0	11.5	12.9	14.3
50	Fiberglass	3.0	6.1	9.1	12.1	15.2	18.2	21.2	24.2	27.3	30.3
	Cellulose	2.1	4.2	6.2	8.3	10.4	12.5	14.5	16.6	18.7	20.8
60	Mineral Wool	2.2	4.3	6.5	8.6	10.8	12.9	15.1	17.2	19.4	21.5
	Fiberglass	4.0	8.1	12.1	16.2	20.2	24.2	28.3	32.3	36.4	40.4
60	Cellulose	2.8	5.5	8.3	11.1	13.8	16.6	19.4	22.2	24.9	27.7
	Mineral Wool	2.9	5.7	8.6	11.5	14.3	17.2	20.1	22.9	25.8	28.7
50	Fiberglass	5.1	10.1	15.2	20.2	25.3	30.3	35.4	40.4	45.5	50.5
	Cellulose	3.5	6.9	10.4	13.8	17.3	20.8	24.2	27.7	31.2	34.6
60	Mineral Wool	3.6	7.2	10.8	14.3	17.9	21.5	25.1	28.7	32.3	35.8
	Fiberglass	6.1	12.1	18.2	24.2	30.3	36.4	42.4	48.5	54.5	60.6
60	Cellulose	4.2	8.3	12.5	16.6	20.8	24.9	29.1	33.2	37.4	41.5
	Mineral Wool	4.3	8.6	12.9	17.2	21.5	25.8	30.1	34.4	38.7	43.0

**Tips:**

If InsulBag must be moved when full, fill it on top of a vinyl tarp and use the tarp as a means of dragging and/or lifting the load. When filling InsulBag, gently tap a broomstick on the InsulBag wall to release fine dust particles from the pores, allowing the bag to breathe. InsulBags filled past 90% capacity may burst from excessive pressure. Change bag when material is even with height of loading nozzle.