

HANDLER[®]

60U Series Dust Collector Maintenance Instructions



Models: 60UFC, 60UFC-0, 60UFC-E-NZ
60U-D, 60U-0, 60U-1



WARNING – IMPORTANT SAFETY INFORMATION

Read and understand this manual before installing, operating, or servicing the Handler dust collector.

Improper use can result in injury, electric shock, fire, or equipment damage. Failure to follow safety instructions may result in serious injury.

SAFETY INSTRUCTIONS



IMPORTANT SAFETY INFORMATION – READ BEFORE USE

Before using any Handler product, read and follow all safety instructions. These precautions are for your protection and must be followed to reduce the risk of personal injury, equipment damage, fire, or electric shock.

ALWAYS wear proper eye and face protection. Use ANSI Z87.1-approved safety glasses or a face shield when operating any Handler equipment.

ALWAYS disconnect power before servicing the unit or when it is not in use.

Wear a dust mask or respirator to avoid inhaling harmful dust or debris.

Keep the work area clean and well-lit. Cluttered or dark areas increase the risk of accidents.

Do not abuse the power cord. Never carry the unit by the cord or yank it to disconnect. Keep cords away from heat, oil, and sharp edges.

Secure the workpiece. This provides better control and safety.

Maintain proper footing and balance at all times. Do not overreach.

NEVER operate in areas with flammable vapors or explosive atmospheres.



Failure to follow these instructions can result in serious injury or damage to the equipment.

Store your Handler tools in a dry, clean, dust-free area and keep them out of the reach of children.

Thank you for purchasing a Handler dust collector Open the package and inspect its contents. The product was inspected prior to shipment. If damage occurred in transit, contact the carrier immediately. Do not contact the shipper, as the customer receiving the product must file a damage claim if necessary. Be sure to note and report any damage promptly to the carrier. Failure to file a claim in a timely manner can result in the loss of your rights of recovery. Should you require assistance, please contact Handler Manufacturing at 1-908-233-7796 or 1-800-274-2635.



IMPORTANT

1. Never attempt to use a dust collector without proper instruction.
2. Always use your Handler dust collector when performing polishing or grinding operations.
3. Read and follow all instructions contained in this manual regarding tool safety. Handler manufactures a full line of chucks, splash hoods, dust collectors, and protective shields.. Contact us at the number below to request a Handler catalog or visit handlermfg.com

The 60U Dust Collectors

The 60U dust collector is a workhorse for busy operations. The 60U is designed to maximize suction for two workstations simultaneously. The heart of the 60U is a ball bearing, capacitor start, brushless, industrially rated motor. The 1/2HP motor and blower wheel are rated to move 400 CFM (Cubic Feet per Minute) of airflow. Only minor setup is required; no installation or assembly needed.



60U-0 - Dust collector only with clean-out tray, 14 sateen cotton-cloth filter bags, and no other accessories.



60U-D - Dust collector with clean-out tray, two 4' sections of 3" flexi-hose, two fishmouth suction inlets, four metal clamps, 14 sateen cotton-cloth filter bags, and easy-to-use foot pedal to shake out and clean bags.



60U-J - Dust collector with clean-out tray, one 4' section of 3" flexi-hose, one 86J-1 large jeweler's hood, two metal clamps, and 14 sateen cotton-cloth filter bags.



60UFC - Dust collector with clean-out tray, two 4' sections of 3" flexi-hose, two fishmouth suction inlets, four metal clamps, and one state-of-the-art pleated drum cartridge filter.

All models are standard 115V/60Hz with 6' heavy-duty power cord and ground plug. All models with model numbers ending in "-E" are available in 220V with 6' heavy-duty power cord and European plug type.

Shipping weight is 80 lbs. Unit dimensions are 15"W x 15"D x 22"H

INSTALLATION AND OPERATION

NOTE: PLEASE READ ALL INSTRUCTIONS BEFORE OPERATING

Position your dust collector in a suitable location as close as possible to the dust collection hood or fishmouth, which will collect the dust and grindings.

Connect 3" flexi-hose to the two 3" inlets located on the top rear of unit. Secure the flexi-hose to these inlets at the aid of a 3" strap clamp. The 3" flexi-hose and clamps are available from Handler Manufacturing.

Connect the opposite end of each flexi-hose to your splash pan, fishmouth or other dust catching device. The flexi-hose is then secured to the dust catchers with additional 3" strap clamps. A tight seal around each connection is important, as air leakage will reduce available suction. Tighten each clamp securely.

NOTE: It is further important that the ducting

delivering the unfiltered air to the collector has a minimum of bends and/or turns in its length, as sharp bends impede proper air flow and reduce available suction.

After the dust catchers have been properly connected to the unit, plug the unit into a grounded three-pronged 115 Volt, 60 Cycle receptacle, **ONLY**. The unit is equipped with an ON/OFF switch located on the six-foot electrical cord. If a permanent connection is desired, the switch may be removed and wired into a wall switch on your bench. We suggest, however, that you enlist the services of a licensed electrician to complete this connection.

Check to make sure you have **NOT** positioned the exhaust port against a solid object. If the air is not allowed to flow freely from the exhaust port, suction may be impaired. Six to eight inches of clearance between the exhaust port and a solid object is sufficient, but a greater distance is desirable.



CLEANING INSTRUCTIONS - CARTRIDGE FILTERS

Cartridge filters are easily cleaned by removing the filters from the dust collector. Using a dust mask, safety glasses and rubber gloves, **TURN OFF THE ELECTRIC POWER** to your dust collector. Remove the filter cartridge separately, and pass compressed air through the inside of the filter, blowing the air through the filter folds from inside the filter cartridge. Make certain to complete this procedure in a well-ventilated area and within a large plastic bag. We recommend completing this procedure outside your building.

Make certain to use a dry air source and to completely clean all folds of the filter. **DO NOT** use excessive air pressure above 20 psi. Replace the cartridge filters as described above.

Depending upon use, the filters should be cleaned at least once each month. This procedure should be completed more often under heavy use, and less often under decreased use. The cleaning cycle of the filters depends on the use of the dust collector in your laboratory or industrial facility. If you are collecting precious metals, we suggest that the cartridge filter be placed in a separate container with the dust previously collected, and a new cartridge filter be purchased and installed into your dust collector.

After a period of use, the cartridge filter may become saturated with dust or a hole may develop in the filter media. To order a new filter, please contact Handler to purchase a replacement. SKU: 60UDC.



REPLACING CARTRIDGE FILTERS

1. Remove the cartridge filter from the assembled retrofit assembly and disassemble the entire assembly. Make certain to save all screws, nuts, bolts, washers, threaded rods and retrofit parts in proximity to your dust collector.

2. Place the large rectangular metal plate with the felt gasket positioned upward under the filter bag support. Holding the rectangular plate in position under the filter bag support, place one of the triangular hold-down plates on the left corner rear of the dust collector, and bolt it loosely into place using the bolts supplied. Follow the same procedure for the right rear side (It may be necessary to employ the assistance of another person to hold the rectangular plate in place while bolting the hold-downs plates in place. Place the remaining two triangular hold-downs in the front left and right positions. Tighten the four bolts on the triangular hold-downs, securely.

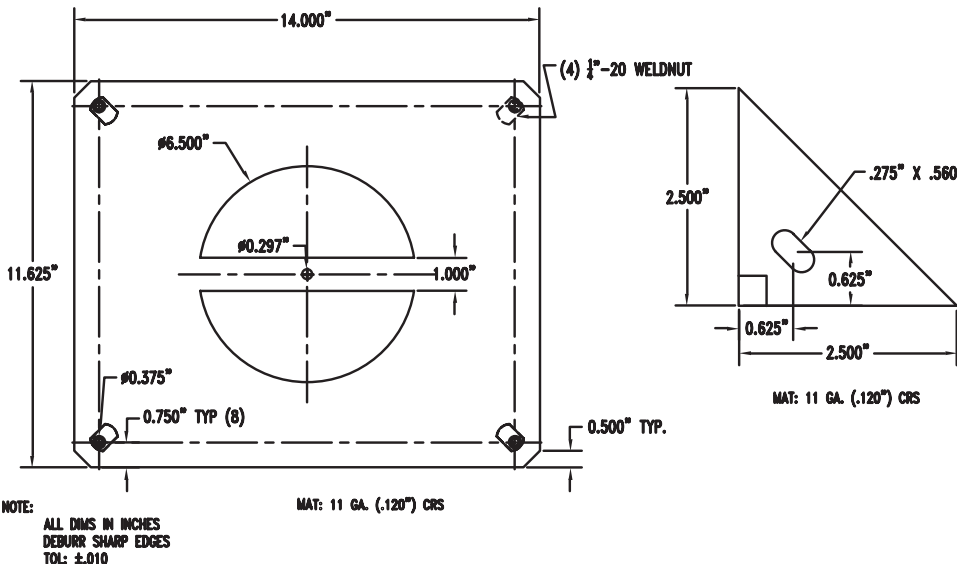
3. Place one of the two wing nuts on the long threaded rod. Screw it in place until approximately $\frac{1}{4}$ " of the threaded rod is showing through this rod.

4. Place the rod through the upper section of the large rectangular plate. Position the threaded rod so that the holes are directly above the center large hole in the large rectangular metal plate.

5. Holding the cartridge filter with the gasket side up, place the cartridge filter inside the lower chamber of the dust collector. Push the long threaded rod through the top right hole of the rectangular metal plate, through the center of the filter cartridge, and through the bottom hole in the filter cartridge. Make certain to keep the long threaded rod centered inside the cartridge filter so the filter is not damaged in any way.

6. Center the cartridge filter on the center of the rectangular large metal plate. Secure the cartridge in place using the washer and wing nut previously removed from the threaded rod assembly. Secure the cartridge in place by tightening both the upper and lower wing nuts with washers. **DO NOT OVER-TIGHTEN.** The gasket on the filter must engage the large rectangular plate securely, but it should not be tightened so that the gasket is crushed.

7. Prior to proceeding further, **MAKE CERTAIN** the gasket on the top of the cartridge filter completely engages the bottom of the large rectangular plate. **MAKE CERTAIN** the hole in the center of the cartridge filter is centered in the center hole in the large rectangular plate.
- Your dust collector is now ready for use. Replace the lower cabinet tray and the door to your dust collector. Reconnect the dust collector to its electrical source and turn the circuit breakers ON. Activate the unit for use.



FILTER BAG MODELS - INSTALLATION AND CLEANING

NOTE: Examine the new replacement filter bags. Make sure they are the correct size and quantity for your dust collector.

1. Before replacing the filter bags in your dust collector, make certain the filters presently in your dust collector have been properly shaken and then cleaned.
2. If your dust collector is used to collect dust from the grinding and polishing of precious metals, save all dust and the old filter bags for proper reclamation.
3. Since the filter bags are being replaced, this is a good time to clean the inside upper suction chamber of your unit.
4. Read through the entire set of instructions for filter replacement before starting this procedure.



FILTER REPLACEMENT:

After the electricity to your dust collector has been disconnected and the old bags have been cleaned, you are ready to replace the old filter bags with new ones.

1. Remove both the upper and lower cabinet doors of your dust collector.
2. Reach inside your dust collector's upper chamber. Loosen and remove the thumb screws or bolts that secure the "hold-down bars" in place. Smaller dust collectors may contain only one hold down bolt in the front and rear of the dust collector. Remove the "hold-down bars."
3. Beginning from the middle right or left of the motor frame, carefully remove a filter bag. Then remove all of the remaining bags. With the bags removed, check the felt stripping around the filter frame to see if it needs cleaning or replacement. To clean the felt stripping, use a vacuum cleaner or a brush to loosen and remove debris. Replace any felt stripping, if necessary.
SKU: 60UFB
(SKU: 60UFBP for 60U-1)
4. To insert the new bags, follow the opposite of the removal procedure. Place each filter envelope into the unit's filter frame, moving one filter to the extreme left and the next to the right. Continue this procedure, making certain each filter bag is pressed tightly against the right and left sides of the internal bag frame.

5. The last filter bag is the most difficult to install, but this procedure can be made simple. Place the cloth portion of the filter bag between the next-to-last two filter bags. Pull it downward until the bag frame is resting between and on top of the last two installed bag frames. By spreading the frames to the left and right, the last bag should slide down into position.

NOTE: The bags are intentionally snug to prevent dust from getting through, and this procedure may take some time to complete.

6. When the last filter bag has been placed into the dust collector, replace the hold-down bars onto the top of the replaced filter bags. Secure the hold-down bars in place with thumb screws or bolts.
7. The dust collector is now ready to be put back into operation.

NOTE: Care should be taken to shake and clean the filter bags of your unit in accordance with the instructions that accompanied the dust collector. By following and maintaining this procedure, the dust collector will perform properly and provide years of service.

LIMITED WARRANTY

Warranty period is 2 year warranty against manufacturing defects

Handler manufacturing, LLC warrants, to the original purchaser only, that its products will be free from defects in material or workmanship for the applicable period of time indicated above following the purchase date. During the warranty period, the defective product will be repaired or replaced without charge or, at our sole option; the purchase price will be refunded. This warranty does not cover damage caused in transit or by accident, misuse or ordinary wear.

ALL IMPLIED WARRANTIES INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY, ARE LIMITED IN DURATION TO THE APPLICABLE WARRANTY PERIOD. IN NO EVENT WILL WE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you.

At our sole option, repair, replacement or refund will be made if the product is returned. **You must call or email Handler to obtain the Return Merchandise Authorization number before returning the item. See below.**

All warranty repairs must be done at our factory at the above address. We will not pay any shipping or transportation charges.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Please retain your proof of purchase for warranty repairs.

Return Instructions

Please call 1-800-272-2885 or email customerservice@blackstoneind.com to request a RMA number (Return Material Authorization Number) and instructions prior to returning.

Repair Service

To learn more about our repair service and how to arrange for a repair. Call 1-800-272-2885, email customerservice@blackstoneind.com.

Please retain your proof of purchase for warranty repairs.

PARTS:

P60U-01 Motor Suction 1/2 HP 09
P60U-02 Wheel Suction 60U
P60U-05 Door For 60U W/O Latches
P60U-06 Door Latch For 60U Dc
P60U-20 Tray Lower Cabinet
P60U-11 Motor-Mounting Bolt
P60U-12 Motor-Mounts-Rubber (Set of 4)
P60U-13 Arbor For Suction Wheel
P60U-14 Felt 1/8" X 9/16" Psa Per Foot
P60U-18 Plug Only
P60U-16 Switch On/Off
P60U-17 Line Cord With Plug
60UDC Drum Cartridge Filter
60UFB Cloth Filter Bags, Set of 14
60UFBP Cloth Filter Bags for 60U-1

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