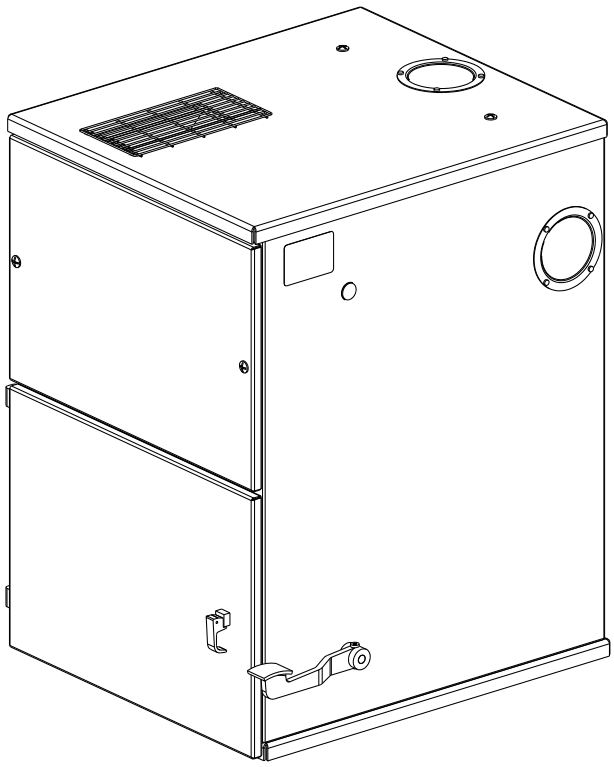
Donaldson®
Torit®

Installation and Operation Manual

Installation, Operation, and Service Information

Cabinet Dust Collector
Series 50, 60, 70, and 80
Models 54, 64, 66, 75, 81, and 84



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

Illustrations are for reference only as actual product may vary.

IOM 7509401
Revision 5

⚠WARNING APPLICATION OF DUST CONTROL EQUIPMENT

Combustible materials such as buffing lint, paper, wood, metal dusts, weld fume, or flammable coolants or solvents represent potential fire and/or explosion hazards. Use special care when selecting, installing, and operating all dust, fume, or mist collection equipment when such combustible materials may be present in order to protect workers and property from serious injury or damage due to a fire and/or explosion.

Consult and comply with all National and Local Codes related to fire and/or explosion properties of combustible materials when determining the location and operation of all dust, fume, or mist collection equipment.

When combustible materials are present you must consult with an expert in fire extinguishing and/or explosion protection systems, who is also familiar with the local codes, for support and guidance on the selection and installation of an appropriate fire and/or explosion protection system.

DO NOT allow sparks, cigarettes or other burning objects to enter the hood or duct of any dust, fume, or mist collection equipment as these may initiate a fire or explosion of any combustible materials accumulated in the collector.

Portions of dust, mist, and fume-collection equipment, including the clean- and dirty-air plenums may be considered "OSHA Confinded Spaces." Refer to the appropriate OSHA regulations to determine if a specific installation should be considered a confined space and if a permit program is required.

Recirculating filtered air in your facility can be a hazard. Consult with OSHA to ensure compliance with all codes regarding recirculating filtered air.

Improper operation of a dust, fume, or mist control system may contribute to conditions in the work area or facility that could result in severe personal injury and product or property damage. Check that all dust, fume, or mist collection equipment is properly selected, installed, and operated for its intended use.

This manual contains specific precautionary statements relative to worker safety. Read this manual thoroughly and comply as directed. Instruct all personnel on the safe use and maintenance procedures related to this equipment. Discuss any questions on the application, use, or maintenance of this equipment with a Donaldson Torit representative.

For optimum collector performance, use only Donaldson Torit replacement parts.

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⚠ DANGER — **DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.**

⚠ WARNING — **WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.**

⚠ CAUTION — **CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.**

NOTICE — **NOTICE is used to address practices not related to personal injury.**

Data Sheet

Model Number _____ **Serial Number** _____

Ship Date _____ **Installation Date** _____

Customer Name _____

Address _____

Filter Type _____

Accessories _____

Other _____

Description

Cabinet Series 50 to 80 dust collectors are self-contained, intermittent-duty collectors with envelope-style filters. Using the EZ Filter Pack™ filter system, Cabinet series collectors provide highly efficient, low maintenance air cleaning. Filters are cleaned using the standard manual filter shaker. The EZ Filter Pack is designed for quick, easy filter replacement without the use of special tools.

Designed to increase the versatility of the unit, standard options include a hopper package for a 5-gallon pail or 55-gallon drum, indoor and outdoor exhaust deflectors, HEPA filter packs, and exhaust silencers. Four filter media choices and three construction options are among the many options available to customize the unit to the specific application.

Purpose and Intended Use

⚠CAUTION Misuse or modification of this equipment may result in personal injury.

Do not misuse or modify.

Cabinet collectors provide excellent efficiency on nuisance dust generated in industrial operations and are a good choice for low airflow, light-load applications that do not require continuous airflow. Typical applications include grinding, buffing and polishing, abrasive blasting, batch mixing, and bag dumping. Often, individual Cabinet collectors are dedicated to one or two machines.

Four filter media selections offer a wide variety of characteristics: cotton sateen is the standard media and provides good efficiency in applications up to 180° F; polyester sateen provides the same efficiency, but has higher temperature resistance (240° F) and is more abrasion-resistant; woven polyester provides better dust release capabilities with lower efficiency; and polypropylene provides some chemical resistance up to 180° F.

Standard galvanized construction includes galvanized metal support bars, slide latches, bag clips, and hardware to support most applications.

Optional stainless-steel construction is tailored to corrosive environments. This option includes stainless steel clips and screws if the screws protrude into the dirty-air chamber. Slide latches, support bars, and other hardware located in the clean-air chamber remain galvanized steel.

Grounded, non-spark construction includes an additional stainless steel wire-mesh insert, stainless-steel bag clips, and ground wires.

⚠WARNING Combustible materials such as buffing lint, paper, wood, metal dusts, weld fume, or flammable coolants or solvents represent potential fire and/or explosion hazards. Use special care when selecting, installing, and operating all dust, fume, or mist collection equipment when such combustible materials may be present in order to protect workers and property from serious injury or damage due to a fire and/or explosion.

Consult and comply with all National and Local Codes related to fire and/or explosion properties of combustible materials when determining the location and operation of all dust, fume, or mist collection equipment.

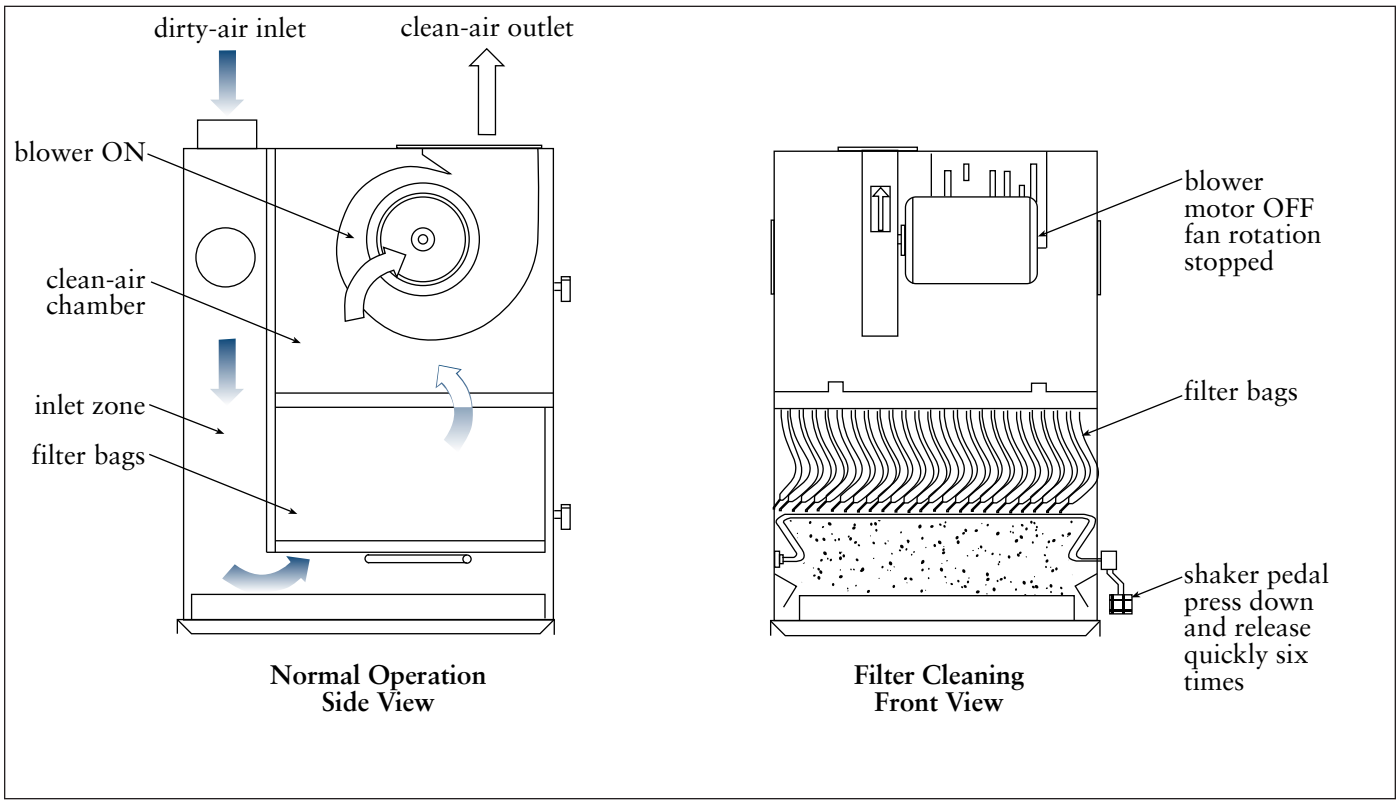
Donaldson Torit equipment is *not* equipped with fire extinguishing or explosion protection systems.

Operation

During normal operation, dust-laden air enters the unit through the dirty-air inlet and passes through the unit where the dust collects on the outside surface of the filter media. As dust collects on the filter surfaces, a dust cake forms, which actually improves the efficiency of the filters. The greater the amount of dust cake accumulated, the higher the efficiency of the filter.

The filtered air flows up through the center of the filters and into the clean-air chamber. Clean, filtered air discharges through clean-air outlet located on top of the unit.

To clean the filters the fan must first be shut off. Pushing down on the hand- or foot-operated shaker pedal and releasing rapidly six times completes manual filter cleaning. The releasing action causes the dust cake to fracture and fall into the dust storage area.



Unit Operation

Inspection on Arrival

1. Inspect unit on delivery.
2. Report any damage to the delivery carrier.
3. Request a written inspection report from the Claims Inspector to substantiate claim.
4. File claims with the delivery carrier.
5. Compare unit received with description of product ordered.
6. Report incomplete shipments to the delivery carrier and your Donaldson Torit representative.
7. Remove crates and shipping straps. Remove loose components and accessory packages before lifting unit from truck.
8. Check for hardware that may have loosened during shipping.
9. Use caution removing temporary covers.

Installation Codes and Procedures

⚠CAUTION OSHA may have requirements regarding recirculating filtered air in your facility. Consult with the appropriate local authorities to ensure compliance with all codes regarding recirculating filtered air.

Safe and efficient operation of the unit depends on proper installation.

Authorities with jurisdiction should be consulted before installing to verify local codes and installation procedures. In the absence of such codes, install unit according to the National Electric Code, NFPA No. 70-latest edition and NFPA 91 (NFPA 654 if combustible dust is present).

A qualified installation and service agent must complete installation and service of this equipment.

All shipping materials, including shipping covers, must be removed from the unit prior to or during unit installation.

NOTICE Failure to remove shipping materials from the unit will compromise unit performance.

Inspect unit to ensure all hardware is properly installed and tight prior to operating collector.

Installation

⚠CAUTION Wind, seismic zone, and other live-load conditions must be considered when selecting the location for all units.

Site Selection, Grade-Mounted Units

The unit can be located on a reinforced concrete foundation or rooftop.

Provide clearance from heat sources and avoid any interference with utilities when selecting the location for suspended units.

Portable units require no special installation accommodations.

When outdoor locations are selected, always mount motors with draw holes pointed down for proper drainage of moisture.

Unit Location

⚠WARNING Donaldson Torit equipment is not designed to support site-installed ducts, interconnecting piping, or electrical services. All ducts, piping, or electrical services supplied by others must be adequately supported to prevent severe personal injury and/or property damage.

When hazardous conditions or materials are present, consult with local authorities for the proper location of the collector.

Foundation or roof support must be capable of supporting the entire weight of the unit, plus the weight of the collected material, piping, and ductwork.

Prepare the foundation in the selected location. Install anchor bolts to extend a minimum of 1 3/4-inches above foundation.

Locate the collector to ensure easy access to electrical and compressed-air connections, and routine maintenance.

If explosion protection devices are part of the system, locate the collector in accordance with local code requirements (Example: NFPA 654). These codes may require units handling combustible dust be located either outside or against an outside wall.

Rigging Instructions

Suggested Tools & Equipment

Clevis Pins and Clamps	Lifting Slings
Crane or Forklift	Pipe Sealant
Drift Pins	Pipe Wrenches
Drill and Drill Bits	Screwdrivers
End Wrenches	Socket Wrenches
Large Crescent Wrench	Spreader Bars

Hoisting Information

⚠WARNING Failure to lift the collector correctly can result in severe personal injury or property damage

Use appropriate lifting equipment and adopt all safety precautions needed for moving and handling the equipment.

A crane or forklift is recommended for unloading, assembly, and installation of the collector.

Location must be clear of all obstructions, such as utility lines or roof overhang.

Use all lifting points provided.

Use clevis connectors, *not hooks*, on lifting slings.

Use spreader bars to prevent damage to unit's casing.

Check the Specification Control drawing for weight and dimensions of the unit, subassemblies, and components to ensure adequate crane capacity.

Allow only qualified crane operators to lift the equipment.

Refer to applicable OSHA regulations and local codes when using cranes, forklifts, and other lifting equipment. Lift unit and accessories separately, and assemble after unit is in place.

Electrical Wiring

⚠WARNING Electrical installation must be performed by a qualified electrician and comply with all applicable national and local codes.

Turn power off and lock out electrical power sources before performing service or maintenance work.

Do not install in classified hazardous atmospheres without an enclosure rated for the application.

All electrical wiring and connections, including electrical grounding, should be made in accordance with the National Electric Code, NFPA No. 70-latest edition.

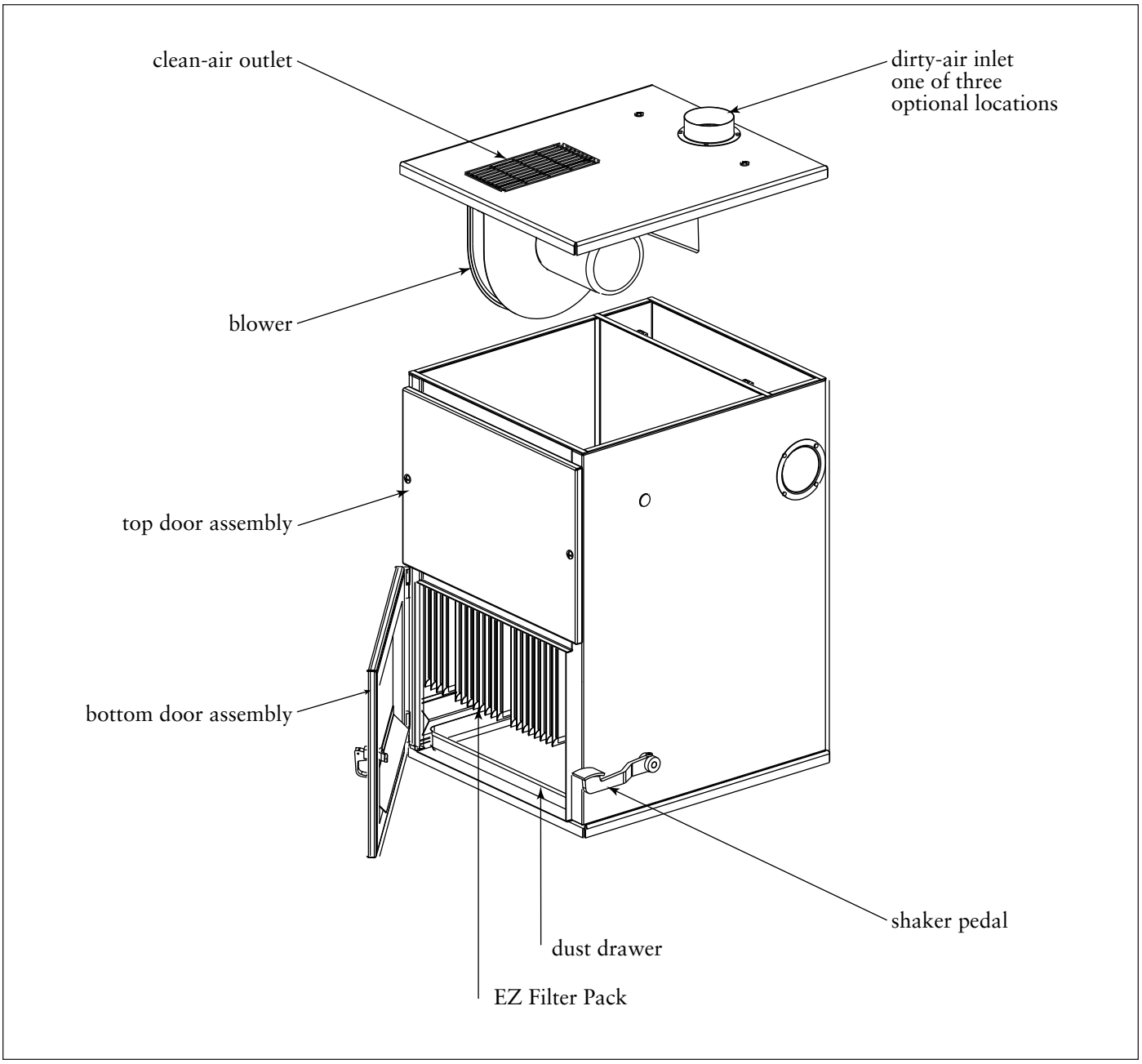
Check local ordinances for additional requirements that apply.

The appropriate wiring schematic and electrical rating must be used. See unit's rating plate for required voltage.

If the unit is not furnished with a factory-mounted disconnect, an electric disconnect switch having adequate amp capacity shall be installed in accordance with Part IX, Article 430 of the National Electrical Code, NFPA No. 70-latest edition. Check unit's rating plate for voltage and amperage ratings.

Refer to the wiring diagram for the number of wires required for main power wiring and remote wiring.

Typical Installation



Typical Installation

Preliminary Start-Up Check

Instruct all personnel on safe use and maintenance procedures.

⚠WARNING Electrical installation must be performed by a qualified electrician and comply with all applicable national and local codes.

Turn power off and lock out electrical power sources before performing service or maintenance work.

Check that the collector is clear and free of all debris before starting.

Do not install in classified hazardous atmospheres without an enclosure rated for the application.

Optional fans over 600 lbs must be independently supported.

1. Check all electrical connections for tightness and contact.
2. Motor and fan should be wired for clockwise rotation when viewed from the back of the motor.

   To reverse rotation, single-phase power supply: Follow manufacturer's instructions on the motor's nameplate.

   To reverse rotation, three-phase power supply: Turn electrical power OFF at source and switch any two leads on the motor junction box.

⚠CAUTION Do not interchange a power lead with the ground wire. Severe damage or personal injury may result.

3. All access panels should be sealed and secure.
4. Check that the dust container is properly sealed and clamped.
5. Check that optional exhaust damper is set to the fully-closed position.
6. Check for and remove all loose items in or near the inlet and outlet of the unit.
7. Check that all remote controls are wired into the control system, and all service switches are in the OFF position.
8. Check that all optional accessories are installed properly and secured.
9. Turn power ON at source.
10. Turn blower fan motor ON.

⚠WARNING Do not look into fan outlet to determine rotation. View the fan rotation through the back of the motor.

Check that the exhaust plenum is free of tools or debris before checking blower/fan rotation.

Stand clear of exhaust to avoid personal injury.

11. Adjust airflow with the exhaust damper.

NOTICE Excess airflow can shorten filter life, cause electrical system failure and blower motor failure.

12. When airflow diminishes, turn the unit OFF and manually shake the EZ Filter Pack.

Maintenance Information

Instruct all personnel on safe use and maintenance procedures.

⚠WARNING Electrical installation must be performed by a qualified electrician and comply with all applicable national and local codes.

Turn power off and lock out electrical power sources before performing service or maintenance work.

Do not install in classified hazardous atmospheres without an enclosure rated for the application.

Operational Checklist

1. Monitor the physical condition of the collector and repair or replace any damaged components.
2. Monitor pressure drop across filters.
3. Monitor exhaust.
4. Monitor dust disposal.

EZ Filter Pack Installation and Replacement

⚠WARNING Use proper safety and protective equipment when removing contaminants and filters.

Dirty filters may be heavier than they appear.

Use care when removing filters to avoid personal injury.

EZ Filter Pack Maintenance

1. Clean the filters once each day depending on load circumstances.
2. Shut off fan.
3. Allow fan to coast down.
4. Depress the cleaning pedal or handle.
5. Release to allow cleaning pedal or handle to drop rapidly.
6. Repeat step 4 six to eight times.
7. Allow dust to settle.
8. Open filter access door and remove any dust which has now accumulated in the dust drawer.
9. Close the filter access door.
10. A good practice is to clean filters at break, lunch, and end of day.

Dust Disposal

1. Turn unit OFF and empty dust container as necessary to minimize dust in the hopper.
2. If the optional 5- or 55-gallon drum attachment is used, empty when drum is 2/3 full.
3. If optional slide gate is used, close gate before servicing drum.
4. Reinstall drum and open gate.

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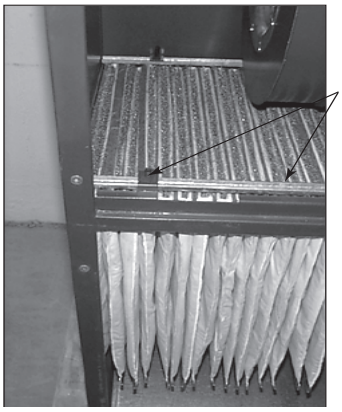
EZ Filter Pack Installation Instructions

STEP 1



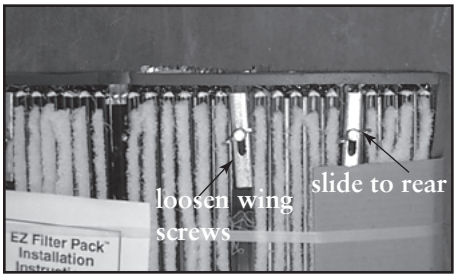
- Remove upper door and open lower door.
- Remove and discard set screws and hold-down channels.
- Remove old envelope bags.

STEP 2

- Clean bottom of cabinet ledge with stiff brush.

  Note: The EZ Filter Pack seals against the bottom of the cabinet ledge.
- Remove and empty dust pan.

STEP 3



- Remove banded EZ Filter Pack from box. Do not remove bands.
- Fully loosen wing screws.
- Move slide latches to the rear—away from gasket.

STEP 4

- Insert banded EZ Filter Pack over shaker bar.

STEP 5

- Rest banded EZ Filter Pack on shaker bar.

STEP 6

- Cut and remove bands.
- Remove cardboard protectors.

STEP 7

- Insert one hand midway under each side of the EZ Filter Pack.
- Push EZ Filter Pack to bottom of cabinet filter frame.

STEP 8 - IMPORTANT

- Place one hand under center of EZ Filter Pack.
- Hold EZ Filter Pack against bottom of cabinet ledge.
- Push each slide latch over cabinet ledge.
- Do not tighten wing screws at this time.

STEP 9

- Adjust EZ Filter Pack for good fit.
- Finger tighten wing screws.

STEP 10

- Remove support bar from box.

STEP 11

- Place support bar over center of EZ Filter Pack.

STEP 12

- Insert small wing screws through holes in support bar.
- Hand tighten all wing screws.

STEP 13

- Inspect filter seal.
- Insert clean dust pan.
- Install and close doors.

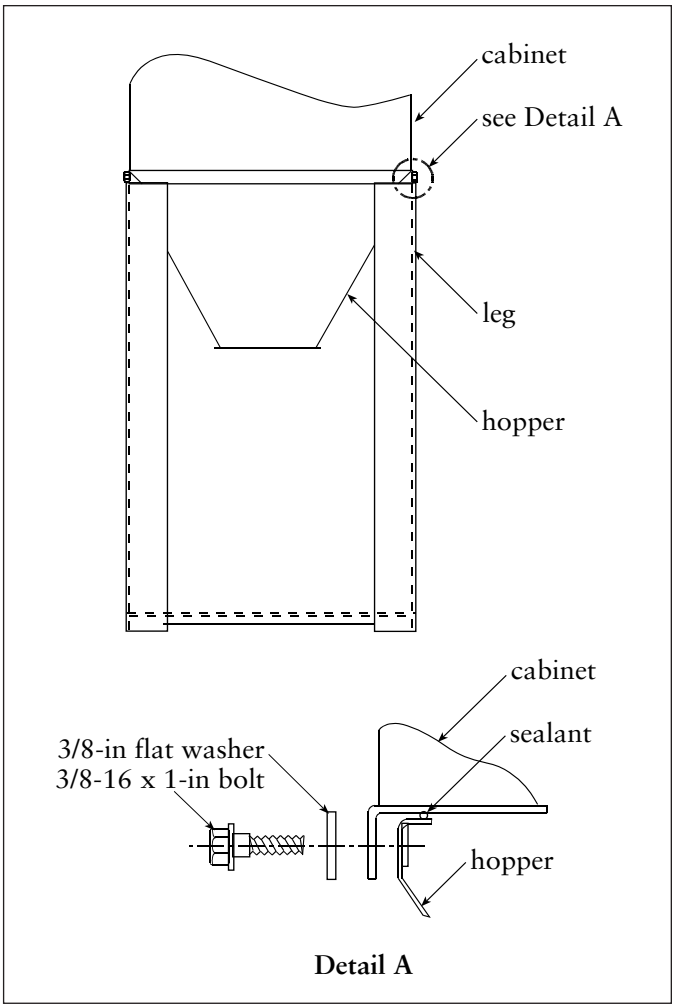
Optional Equipment

Hopper

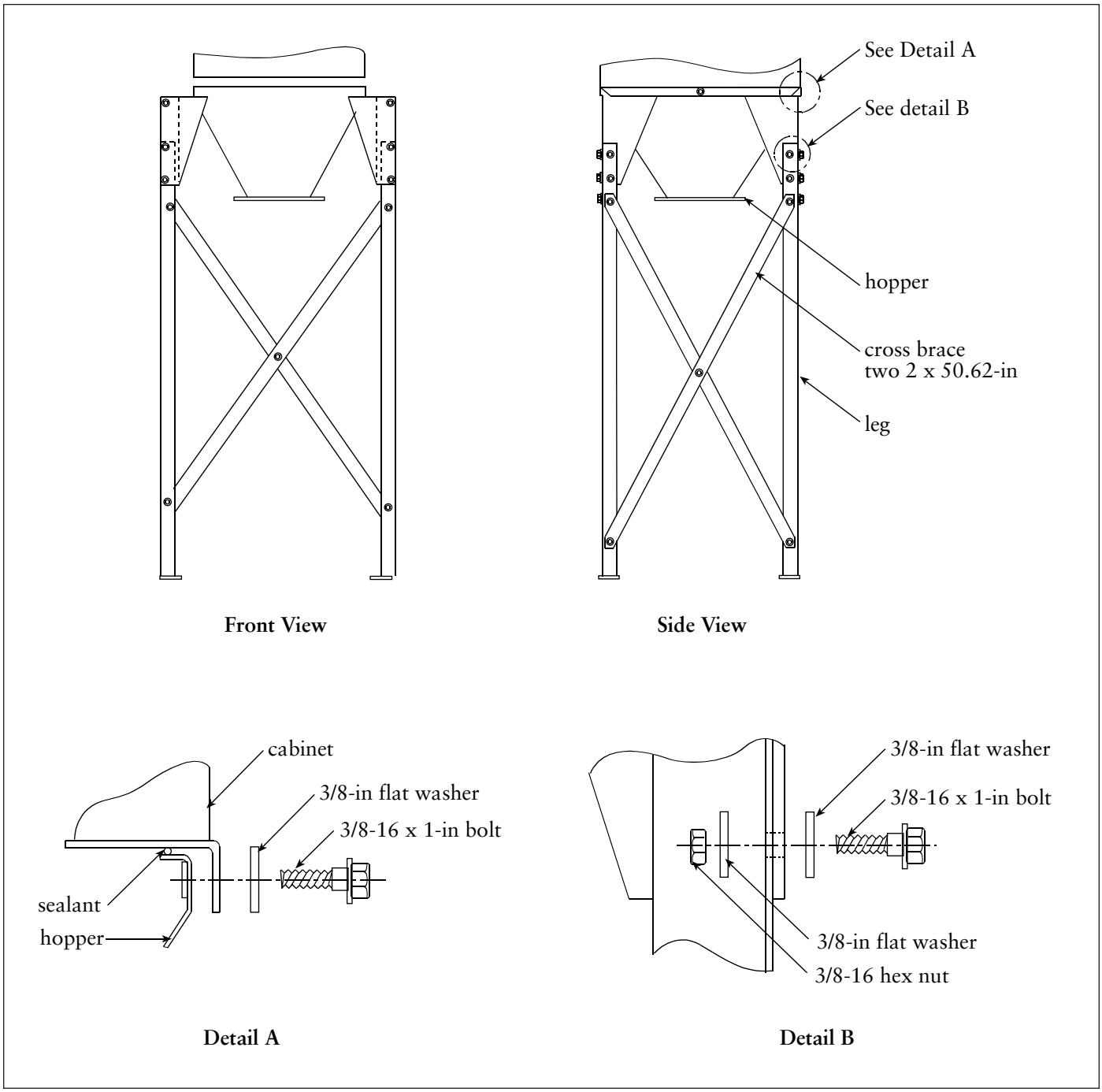
1. Attach legs and cross bracing to hopper using 3/8-16 x 1-in bolts, washers, and nuts as shown. Cross braces can be installed to allow front or back hopper access.

   Note: The 5-gallon pail hopper does not require cross bracing.

2. Position the hopper and leg assembly on the foundation's anchor bolts and fasten securely.
3. Apply 1/4-in diameter rope-type sealant to the hopper's top flange.
4. Lift cabinet over hopper and leg assembly and lower slowly.
5. Secure with bolts, washers, and nuts supplied.



Hopper to 5-Gallon Pail Assembly

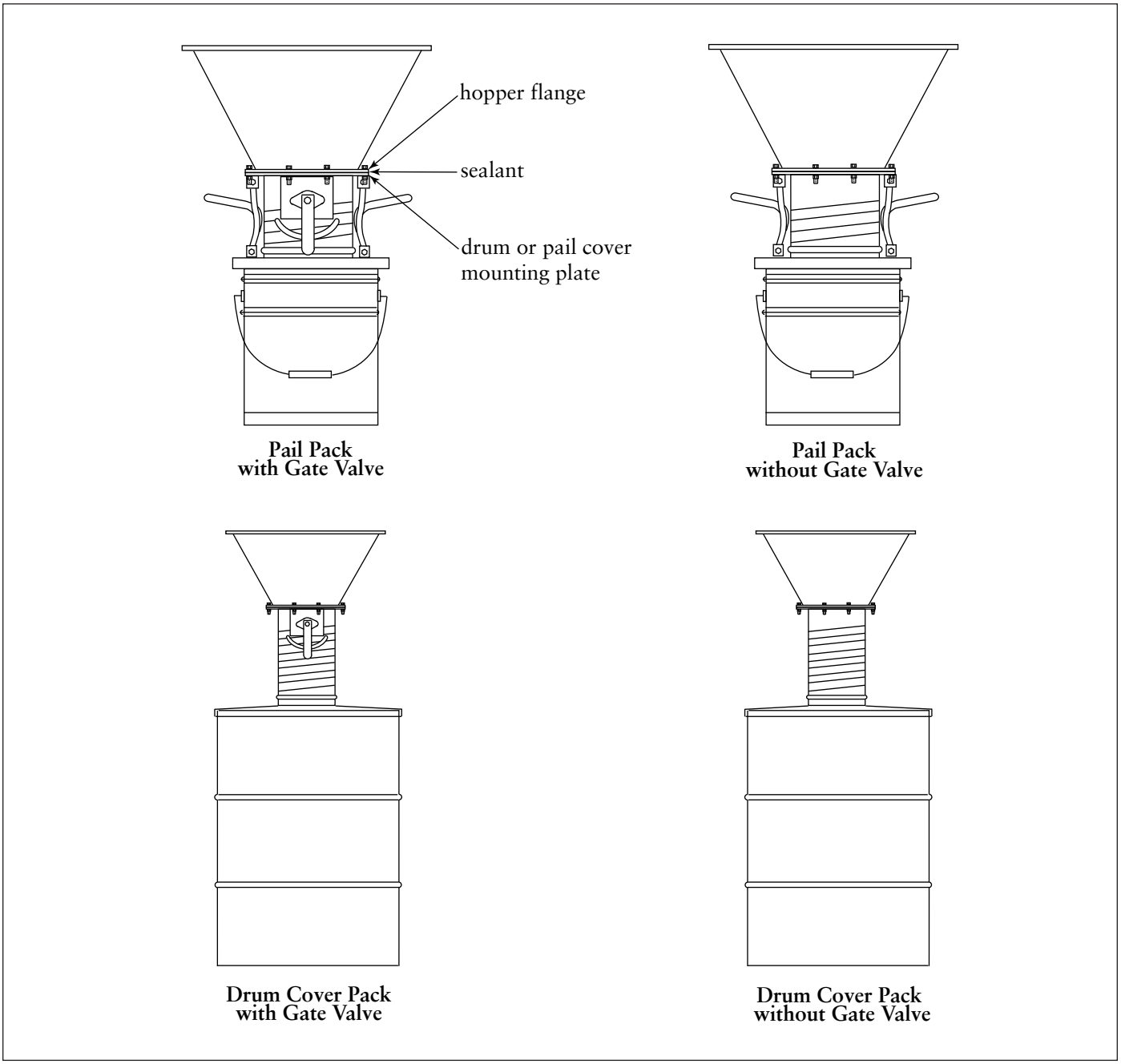


Hopper to 55-Gallon Drum Assembly

Hopper Attachments

5- or 55-Gallon Drum Packs with or without Slide Gate

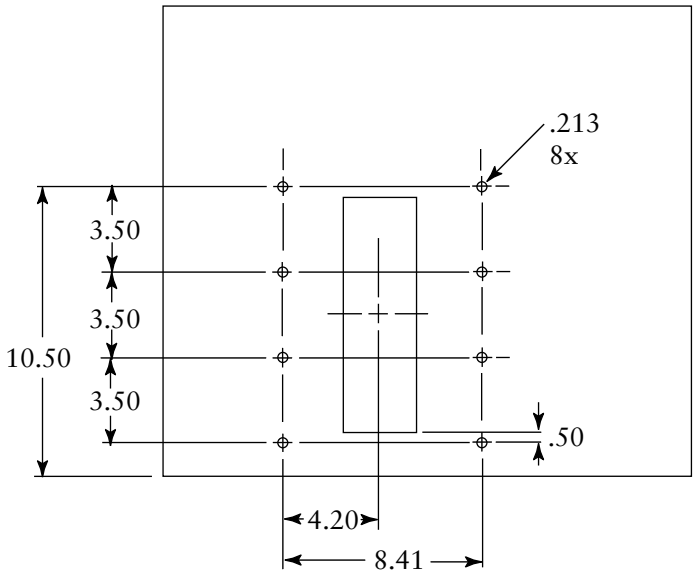
1. Apply 1/4-in diameter rope-type sealant to the drum cover mounting plate flange.
2. Fasten the drum cover assembly to the hopper flange using the hardware supplied.



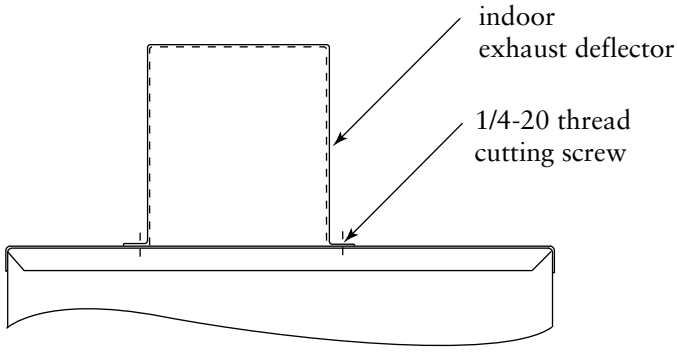
5- or 55-Gallon Drum Packs with and without Slide Gate

Indoor Exhaust Deflector

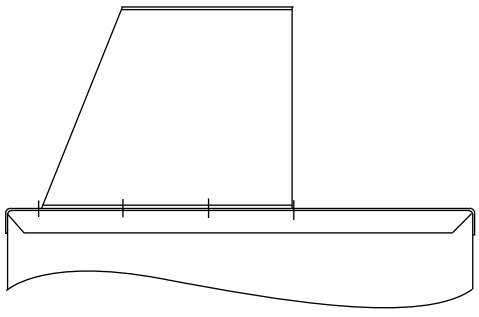
1. Remove the top door assembly and set aside.
2. Place a piece of non-combustible cloth over the filters in the clean-air chamber to protect them from drilling chips.
3. Use a .213-in diameter drill bit to drill eight holes as shown.
4. Position the indoor exhaust deflector on the cabinet top and fasten using eight 1/4-20 thread-cutting screws. Tighten securely.
5. Carefully remove the cloth protecting the filters. Replace the top door assembly and tighten securely by hand.



Drill Location



Front View

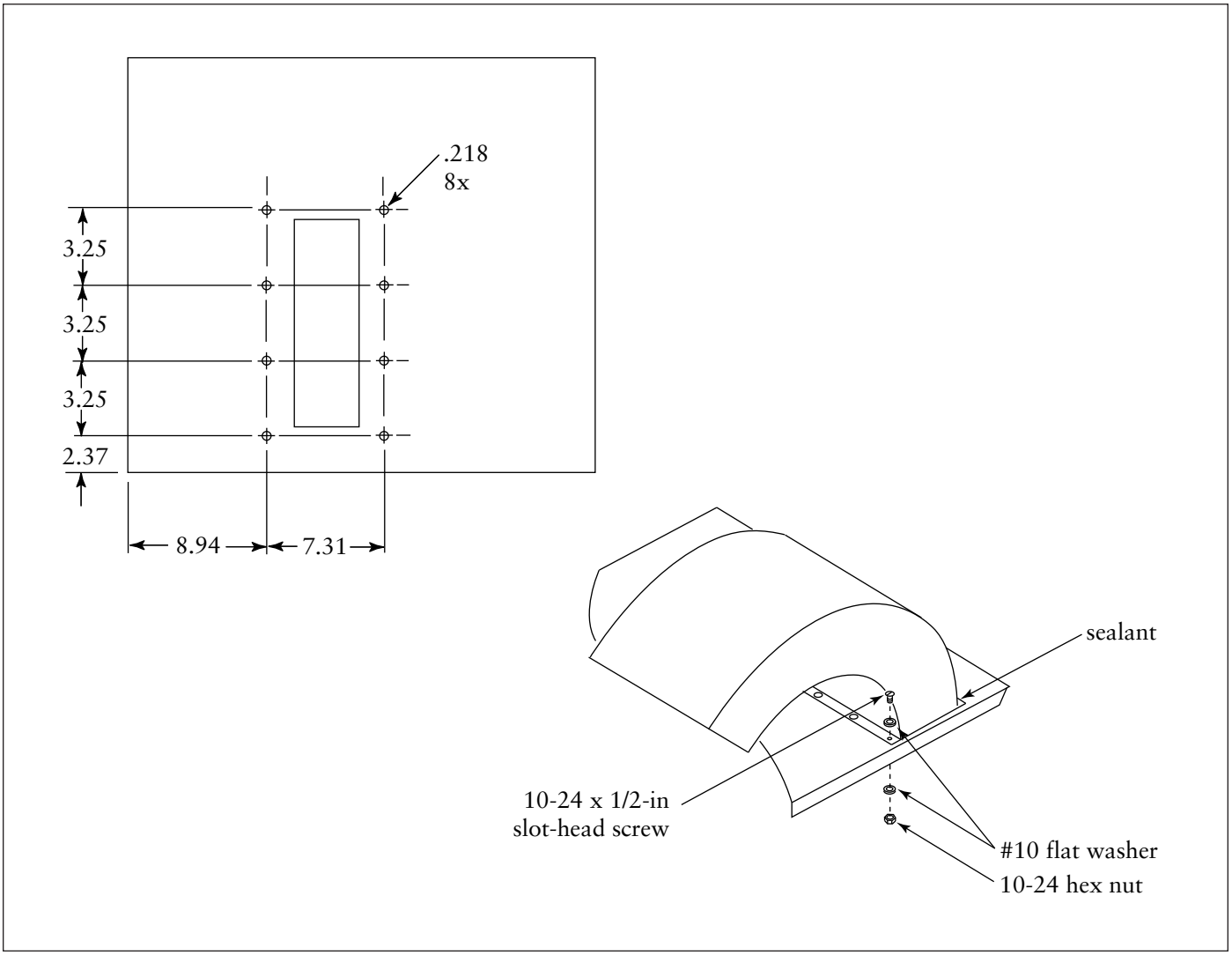


Left Side View

Indoor Exhaust Deflector

Outdoor Exhaust Deflector

1. Remove the top door assembly and set aside.
2. Place a piece of non-combustible cloth over the filters in the clean-air chamber to protect them from drilling chips.
3. Use a .218-in diameter drill bit to drill eight holes as shown.
4. Position the indoor exhaust deflector on the cabinet top, align holes and fasten using eight #10-24 x 1/2-in bolts, washers, and nuts supplied. Tighten securely.
5. Apply sealant around outside edge of the exhaust deflector.
6. Carefully remove the cloth protecting the filters. Replace the top door assembly and tighten securely by hand.



Outdoor Exhaust Deflector

Ductwork

NOTICE If unit is operated with more than the maximum permissible inlet size, the fan motor can overload or dust can settle in the duct due to low air velocity.

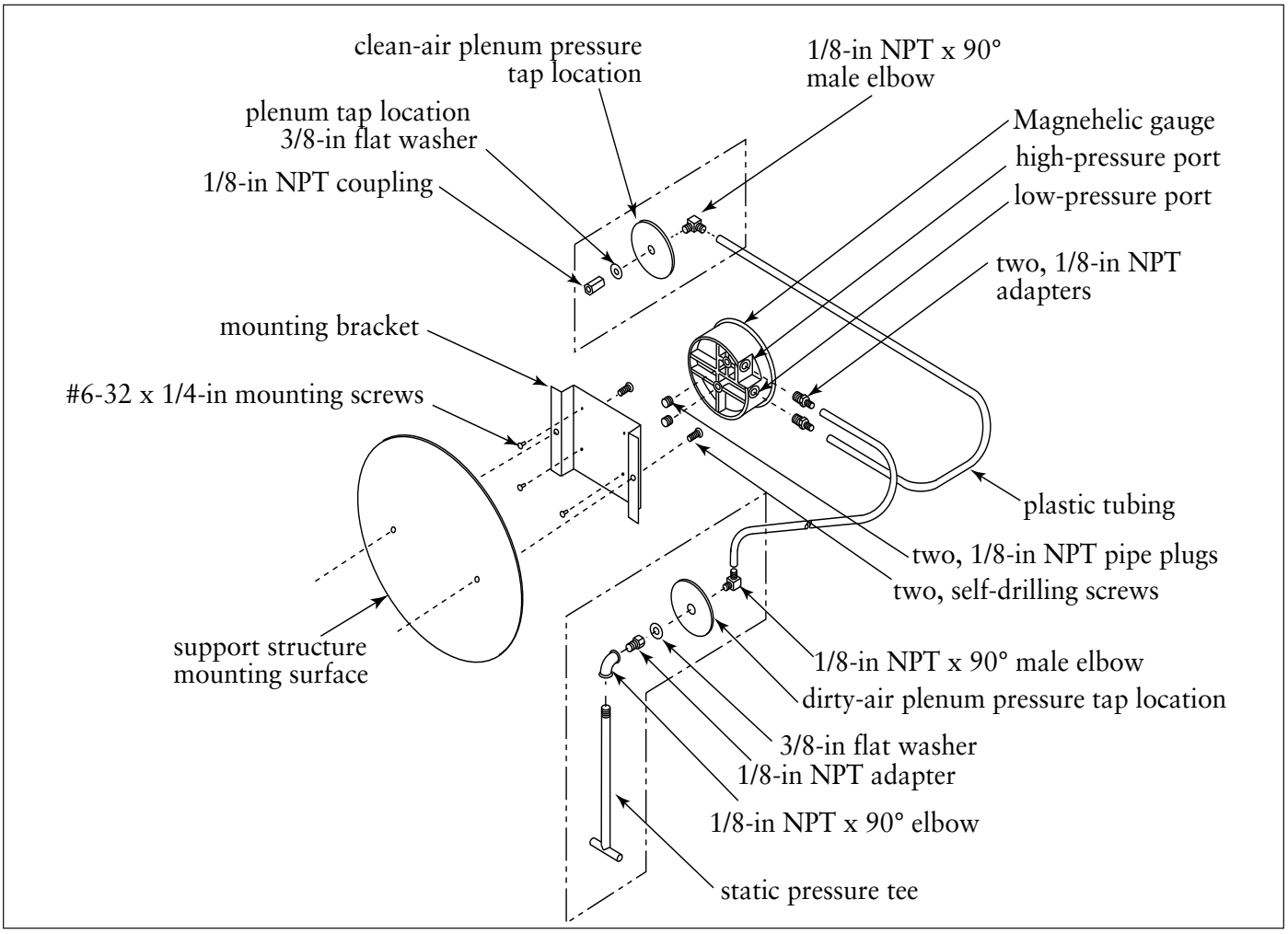
1. Inlet collars can be located on the side, top, or back of the cabinet by removing the desired inlet cover plate and installing the inlet collar using the same screws.
2. Use the shortest possible inlet duct. Avoid the use of tees or flexible, wire-molded duct except where machine motion or vibration needs to be isolated. Flexible duct has a high static pressure and reduces airflow.
3. Size duct for the recommended air velocity of the conveyed material or material may collect inside the duct.
4. Connect joints with sheet metal screws, rivets, or sealer. Finish each joint with sealer or duct tape.

   Note: Sheet metal screws may cause fibrous or stringing particulate to accumulate inside duct. Use rivets or sealant in these conditions.

Magnehelic Gauge

The Magnehelic is a differential pressure gauge used to measure the pressure difference between the clean- and dirty-air chambers and provides a visual display of filter change requirements. The high-pressure tap is located in the dirty-air chamber and the low-pressure tap is located in the clean-air chamber.

1. Choose a convenient, accessible location on or near the unit for mounting that provides the best visual advantage.
2. Plug the pressure ports on the back of the gauge using two, 1/8-in NPT pipe plugs supplied. Install two, 1/8-in NPT male adapters supplied with the gauge into the high- and low-pressure ports on the side of the gauge.
3. Attach the mounting bracket using three, #6-32 x 1/4-in screws supplied.
4. Mount the gauge and bracket assembly to the supporting structure using two self-drilling screws.
5. Thirty-five feet of plastic tubing is supplied and must be cut in two sections. Connect one section of tubing from the gauge's high-pressure port to the pressure fitting located in the dirty-air chamber. Connect remaining tubing from the gauge's low-pressure port to the fitting in the clean-air chamber. Additional tubing can be ordered from your representative.
6. Zero and maintain the gauge as directed in the manufacturer's Operating and Maintenance Instructions provided.

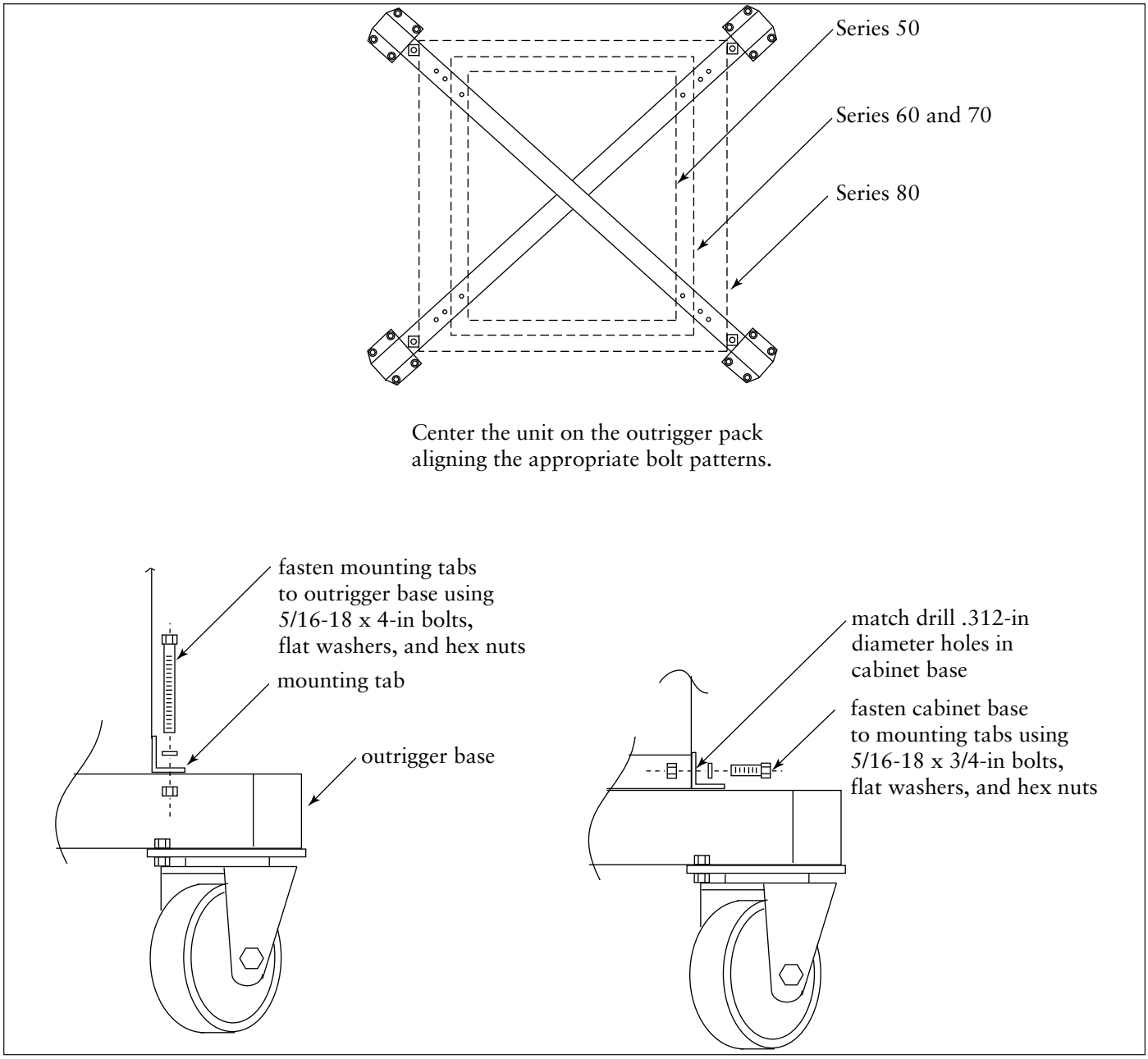


Magnehelic Gauge Assembly

Outrigger Pack

Note: Outrigger pack is for use with dust drawer models only.

1. Center the unit on the outrigger pack aligning the appropriate bolt patterns.
2. Fasten the four mounting tabs to the outrigger base using four 5/16-18 x 4-in bolts, washers, and nuts. Tighten securely.
3. Drill four .312-in diameter holes in the cabinet base using the mounting tab holes as a guide.
4. Attach the cabinet base to the mounting tabs using four 5/16-18 x 3/4-in bolts, washers, and nuts. Tighten securely.

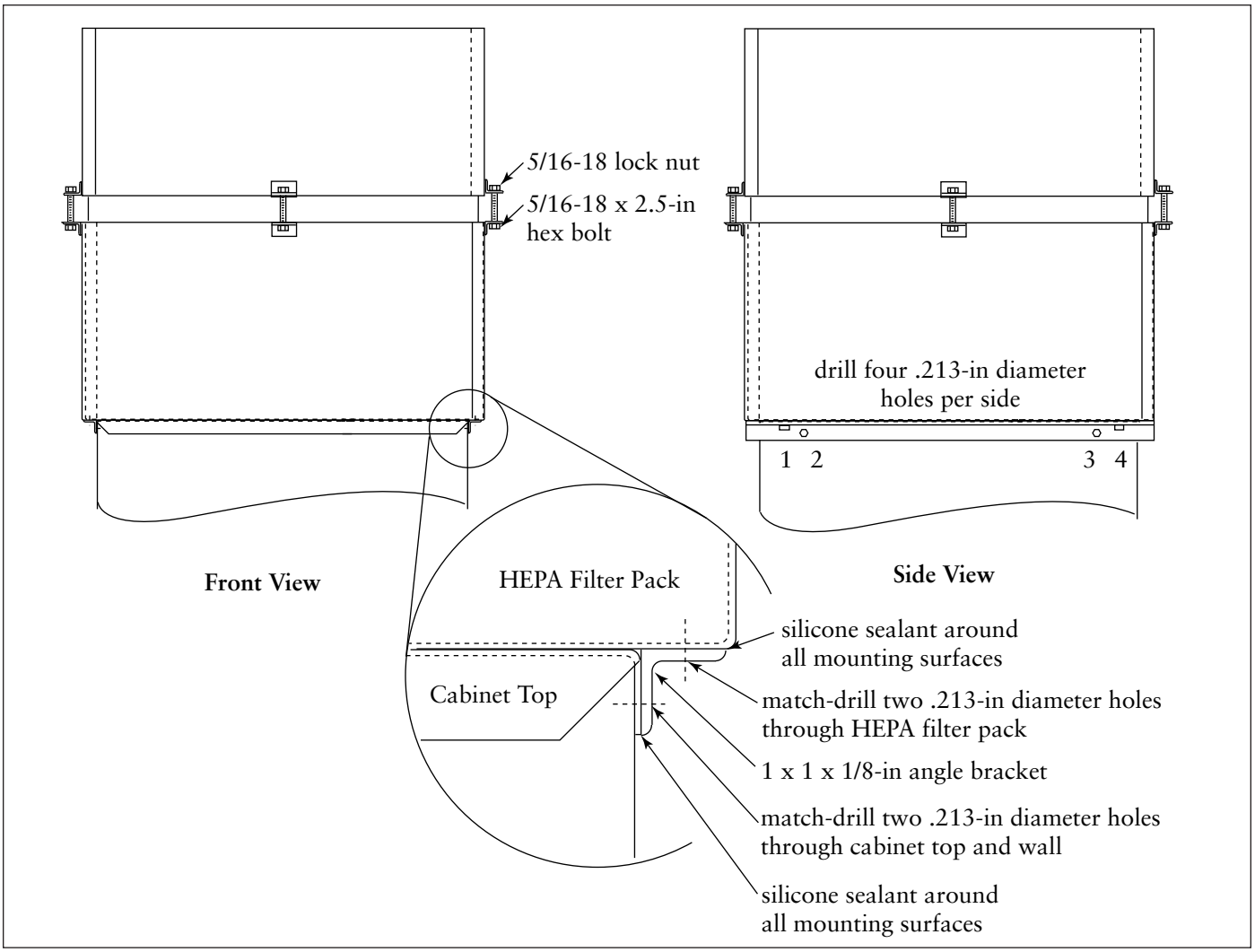


Outrigger Pack Assembly

HEPA Filter

Models 60 and 70

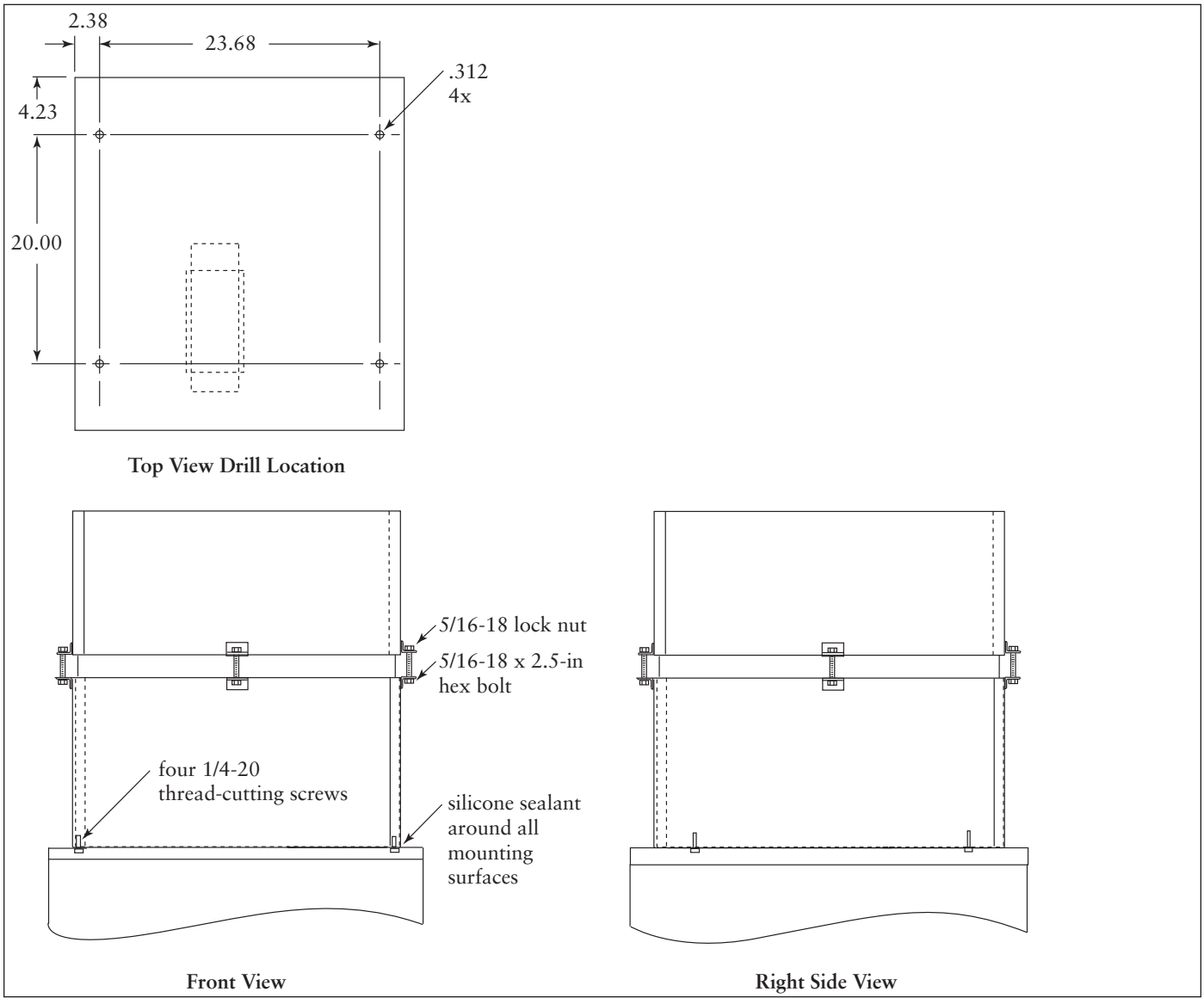
1. Position the HEPA filter pack on top of the unit as shown.
2. Remove the top door assembly and set aside.
3. Place a piece of non-combustible cloth over the filters in the clean-air chamber to protect them from drilling chips.
4. Position angle bracket on each side of the unit flush with the top and under the HEPA filter brackets as shown.
5. Using the holes in the angle brackets as a guide, drill two .213-in diameter holes in the cabinet side and two in the HEPA filter pack.
6. Remove HEPA filter pack and apply silicone sealant around mounting surface.
7. Fasten angle bracket to cabinet using four 1/4-20 thread-cutting screws supplied.
8. Align holes in the HEPA filter pack angle brackets with the holes drilled in the bracket top surfaces and secure using four 1/4-20 thread-cutting screws.
9. Carefully remove the cloth protecting the filters. Replace the top door assembly and tighten securely by hand.



HEPA Filter Models 60 and 70

Model 80

1. Remove the top door assembly and set aside.
2. Place a piece of non-combustible cloth over the filters in the clean-air chamber to protect them from drilling chips.
3. Use a .312-in diameter drill bit to drill four holes in the collector top as shown.
4. Apply sealant around sealing surface on cabinet top.
5. Position the HEPA filter pack on top of the unit aligning holes.
6. From inside the clean-air chamber, fasten the filter pack to the top using four 1/4-20 thread-cutting screws.
7. Carefully remove the cloth protecting the filters. Replace the top door assembly and tighten securely by hand.



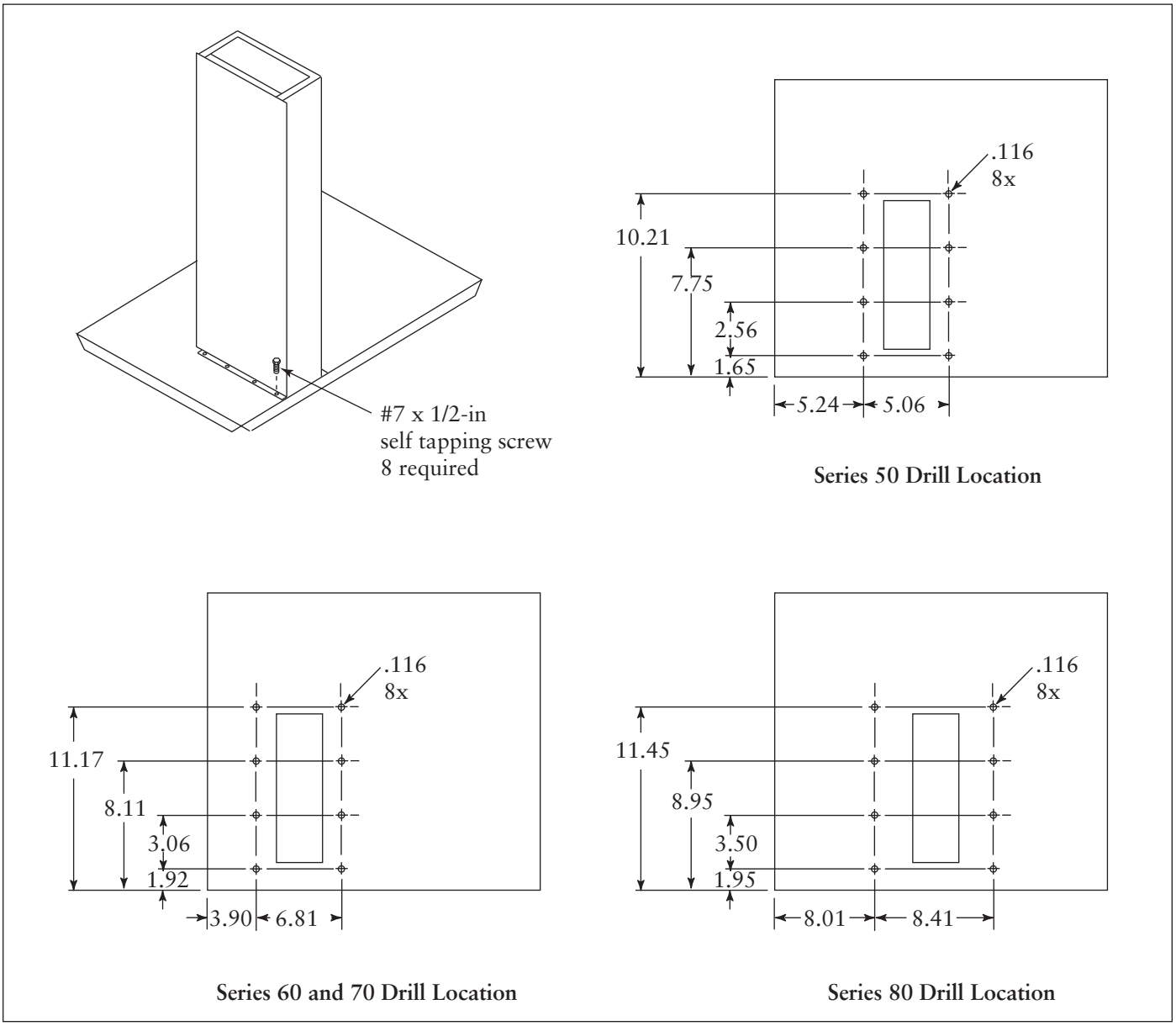
HEPA Filter Model 80

Exhaust Silencer

If an exhaust silencer was ordered with the unit, the mounting holes are pre-drilled.

To install an add-on silencer:

1. Remove the top door assembly and set aside.
2. Place a piece of non-combustible cloth over the filters in the clean-air chamber to protect them from drilling chips.
3. Use a .116-in diameter drill bit to drill eight holes in the collector top as shown.
4. Position the exhaust silencer, align holes, and fasten securely with #7 x 1/2-in screws supplied.
5. Carefully remove the cloth protecting the filters. Replace the top door assembly and tighten securely by hand.



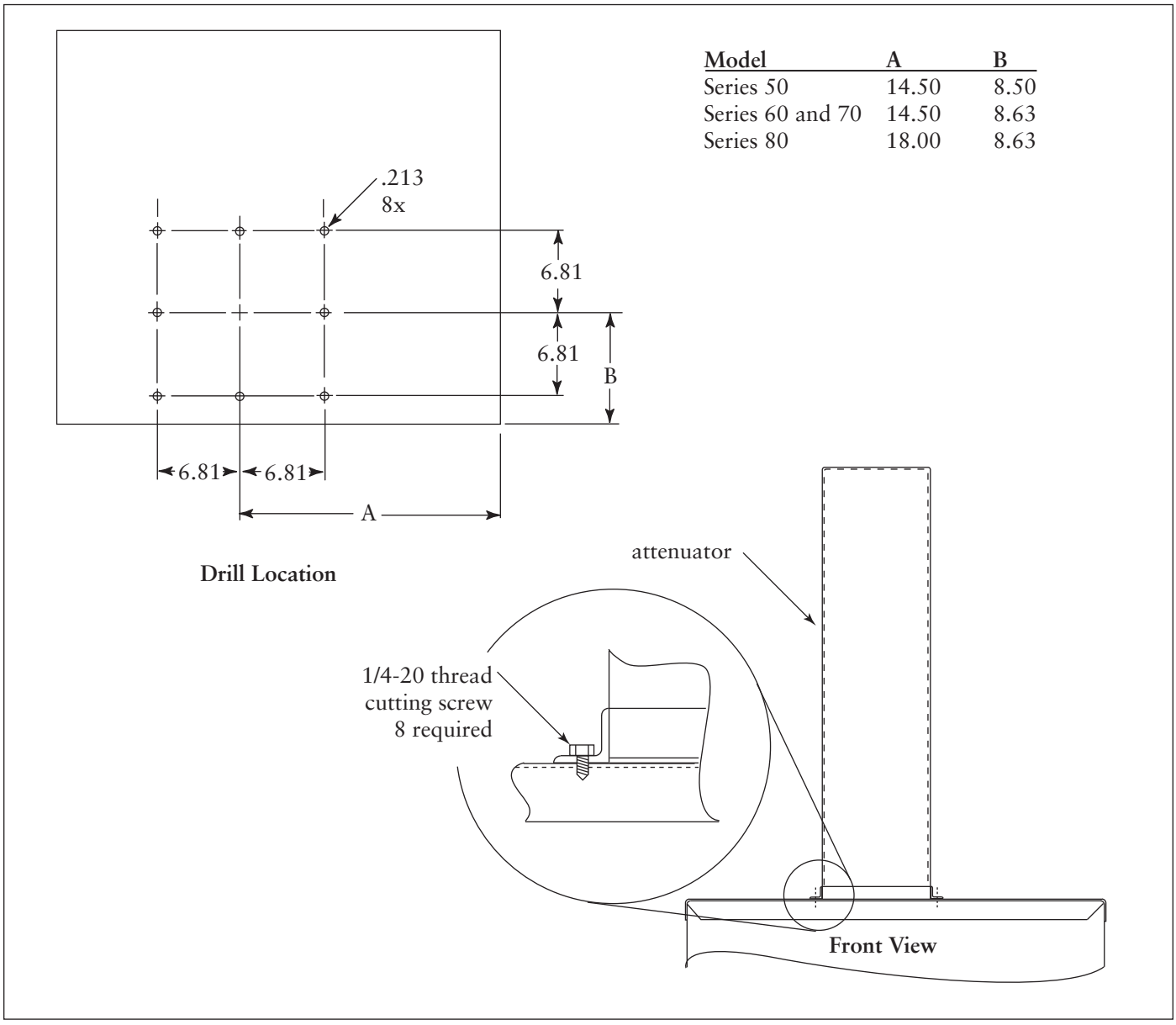
Exhaust Silencer Installation

Attenuator

If an attenuator was ordered with the unit, the mounting holes are pre-drilled.

To install an add-on attenuator:

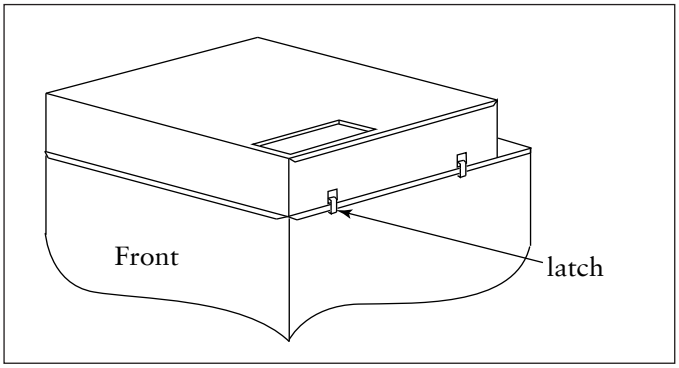
1. Remove the top door assembly and set aside.
2. Place a piece of non-combustible cloth over the filters in the clean-air chamber to protect them from drilling chips.
3. Use a .213-in diameter drill bit to drill eight holes in the collector top as shown.
4. Position the attenuator assembly, align holes, and fasten securely using eight 1/4-20 thread-cutting screws supplied.
5. Carefully remove the cloth protecting the filters. Replace the top door assembly and tighten securely by hand.



Attenuator Installation

Chamber Silencer

1. Place the chamber silencer over the clean-air outlet on top of the unit.
2. Position silencer flush with the front of the unit and the exhaust opening facing the front.
3. Secure with all four latches.



Chamber Silencer

Troubleshooting

Problem	Probable Cause	Remedy
Blower fan and motor do not start	Improper motor wire size	Rewire using the correct wire gauge as specified by national and local codes.
	Not wired correctly	Check and correct motor wiring for supply voltage. See motor manufacturer's wiring diagram. Follow wiring diagram and the National Electric Code.
	Unit not wired for available voltage	Correct wiring for proper supply voltage.
	Input circuit down	Check power supply to motor circuit on all leads.
	Electrical supply circuit down	Check power supply circuit for proper voltage. Check for fuse or circuit breaker fault. Replace as necessary.
Blower fan and motor start, but do not stay running	Incorrect motor starter installed	Check for proper motor starter and replace if necessary.
	Access doors are open or not closed tight	Close and tighten access doors. See Filter Replacement.
	Hopper discharge open	Check to make sure hopper discharge is sealed.
	Damper control not adjusted properly	Check airflow in duct. Adjust damper control until proper airflow is achieved and the blower motor's amp draw is within the manufacturer's rated amps.
	Inlet too large for collector rating	Contact installer of dust collection equipment.
	Electrical circuit overload	Check that the power supply circuit has sufficient power to run all equipment.
Insufficient airflow	Fan rotation backwards	Proper fan rotation is clockwise from the top of the unit. The fan can be viewed through the back of the motor. See Preliminary Start-Up Check.
	Access doors open or not closed tight	Check that all access doors are in place and secured. Check that the hopper discharge opening is sealed and that optional attachments are installed correctly.
	Fan exhaust area restricted	Check fan exhaust area for obstructions. Remove material or debris. Adjust damper flow control.
	Dust storage area overfilled or plugged	Clean out dust storage area. See Dust Disposal.

Troubleshooting

Problem	Probable Cause	Remedy
Insufficient airflow	Collapsed or plugged duct	Clean duct of all debri. Replace collapsed duct.
	Improper duct sizing	Contact installer of dust collection equipment.
	EZ Filter Pack plugged	Shake filter packs a minimum of once a day. Brush or manually clean filter packs plugged with sticky or fibrous material. Replace filter packs that do not clean properly by shaking. See EZ Filter Pack Installation.
	Manual shaker mechanism malfunctioning	Check that the roll pin is in place. Replace if necessary.

Service Notes

Date	Service Performed	Notes

Service Notes

Date	Service Performed	Notes

The Donaldson Torit Warranty

Donaldson warrants to the original purchaser that the major structural components of the goods will be free from defects in materials and workmanship for ten (10) years from the date of shipment, if properly installed, maintained and operated under normal conditions. Donaldson warrants all other Donaldson built components and accessories including Donaldson Airlocks, TBI Fans, TRB Fans, Fume Collector products, Donaldson built electrical control components and Donaldson built Afterfilter housings for twelve (12) months from date of shipment. Donaldson warrants Donaldson built filter elements to be free from defects in materials and workmanship for eighteen (18) months from date of shipment. Donaldson does not warrant against damages due to corrosion, abrasion, normal wear and tear, product modification, or product misapplication. Donaldson also makes no warranty whatsoever as to any goods manufactured or supplied by others including electric motors, fans and control components. After Donaldson has been given adequate opportunity to remedy any defects in material or workmanship, Donaldson retains the sole option to accept return of the goods, with freight paid by the purchaser, and to refund the purchase price for the goods after confirming the goods are returned undamaged and in usable condition. Such a refund will be in the full extent of Donaldson's liability. Donaldson shall not be liable for any other costs, expenses or damages whether direct, indirect, special, incidental, consequential or otherwise. The terms of this warranty may be modified only by a special warranty document signed by a Director, General Manager or Vice President of Donaldson. Failure to use genuine Donaldson replacement parts may void this warranty. **THERE EXIST NO OTHER REPRESENTATIONS, WARRANTIES OR GUARANTEES EXCEPT AS STATED IN THIS PARAGRAPH AND ALL OTHER WARRANTIES INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHETHER EXPRESS OR IMPLIED ARE HEREBY EXPRESSLY EXCLUDED AND DISCLAIMED.**

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For genuine Donaldson replacement filters
and parts, call the Parts Express Line

800-365-1331 USA

800-343-3936 within Mexico

www.donaldsontorit.com

For faster service, have unit's model and serial number, quantity, part number, and description available.

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Donaldson Company, Inc. is the leading designer and manufacturer of dust, mist, and fume collection equipment used to control industrial-air pollutants. Our equipment is designed to help reduce occupational hazards, lengthen machine life, reduce in-plant maintenance requirements, and improve product quality.

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