


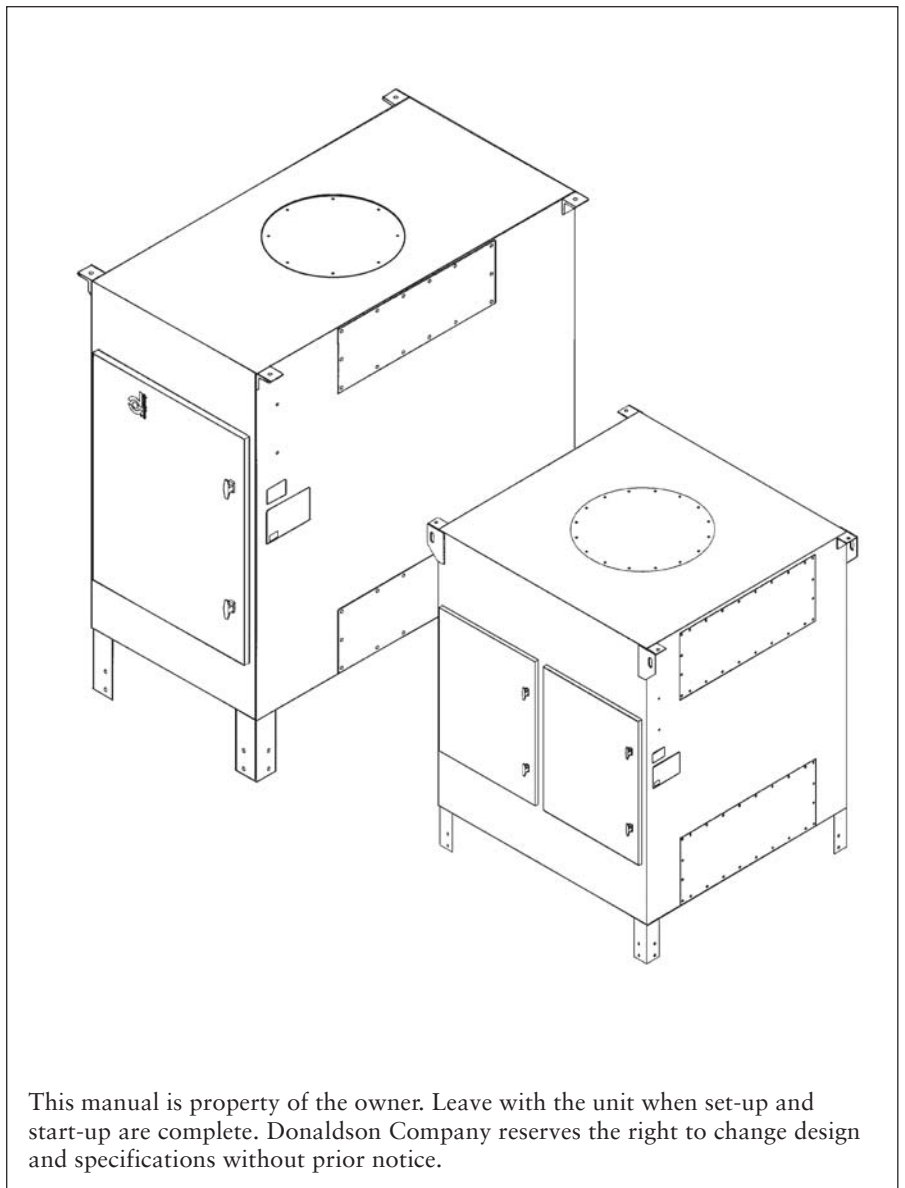
Patent Numbers
5,611,922
6,007,608

 Throughout this manual statements indicating precautions necessary to avoid equipment failure are referenced in a **Note**. Statements indicating potential hazards that could result in *personal injury* or *property damage* are referenced in a **Caution!** box.

Installation and Operation Manual

Dryflo[®] Mist Collector

Models DMC-D2, D4, D6, D8, and D10





Caution!

Application of Mist Control Equipment

- Combustible materials such as buffing lint, rouge, aluminum and steel dust, weld fume, or flammable solvents represent fire or explosion hazards. Use special care when selecting and operating all mist collection equipment when combustible materials are present to protect workers and property from damage due to fire and/or explosion. Consult and comply with National and Local Codes relating to fire or explosion, and all other appropriate codes when determining the location and operation of mist collection equipment.
- When combustible materials are present, consult with an installer of fire extinguishing systems familiar with these types of fire hazards and local fire codes for recommendations and installation of fire extinguishing and explosion protection systems. Donaldson Dust Collection equipment is not equipped with fire extinguishing or explosion protection systems.
- **DO NOT** allow sparks, cigarettes, or other burning objects to enter the hood or duct of any mist control equipment as these may initiate a fire or explosion.
- For optimum collector performance, use only Donaldson replacement parts.

Warning – Improper operation of a 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 collection equipment is properly selected and sized for the intended use.

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Magnehelic® is a registered trademark of Dwyer Instruments, Inc.



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

Data Sheet

Model Number _____	Serial Number _____
Ship Date _____	Installation Date _____
Customer Name _____	
Address _____	

Filter Type _____	
Accessories _____	
Other _____	

Description

The Dryflo mist collector, Models DMC-D2 through D10 collect airborne mist such as oil, water-soluble, and synthetic coolant from machining operations. Three stages of filtration, plus an optional HEPA filter, provide a cleaner, healthier work environment as well as a more cost effective means of mist collection. With airflow capacities from 1,070 to 22,000 cfm, the Dryflo is a strategic component to meeting industrial and government air-quality standards. The high efficiency filter cartridges allow air and coolants to be recycled, and the cartridge efficiency actually increases as the unit operates.

Designed to increase the versatility of the unit, standard options include drain collection containers and a hopper screen to keep the hopper clean and prevent drain clogs. A variety of filter media specifically designed for mist collection, from heavy liquid-load to heavy particulate-load applications, is also available. The optional Ultra-Lok™ HEPA filter removes smoke from machining operations expanding the filtering capabilities of the Dryflo.

Purpose and Intended Use

Airborne mist is small droplets of liquid suspended in the air. Dryflo mist collectors are widely used in machine tool operations using metalworking fluids. Metalworking fluids include straight oil, water-soluble coolants, soluble oil, and semi-synthetic coolants. These fluids perform a variety of functions such as lubricating or cooling the part or the tool, flushing chips away from the part, and suppressing dust and smoke. Oils and coolants allow machines to operate faster and tools to last longer resulting in high quality parts.

Mist is created two ways: mechanical action or thermal effects. Mechanical action refers to aerosol used for light lubrication and generally creates mist greater than one micron in size. Thermal effects occur when heat vaporizes the coolant, the vapor cools and recondenses into a mist. Thermal effects create mist from 0.01 to 1 micron in size. Other contaminants, such as dust from the part or the tool or smoke from the combustion of the oil or coolant are also generated when using metalworking fluids.

The Dryflo can collect some dust with the mist; however, it should not be operated without mist. The collector is not designed to handle water mist alone. There should be some type of material to allow coalescing, or water vapor will pass through the filters. The extremes of very heavy oil and light, thin oil should be avoided. Very heavy oil, similar to tar consistency, will not drain while very light, thin oil, similar to gasoline consistency, may evaporate.



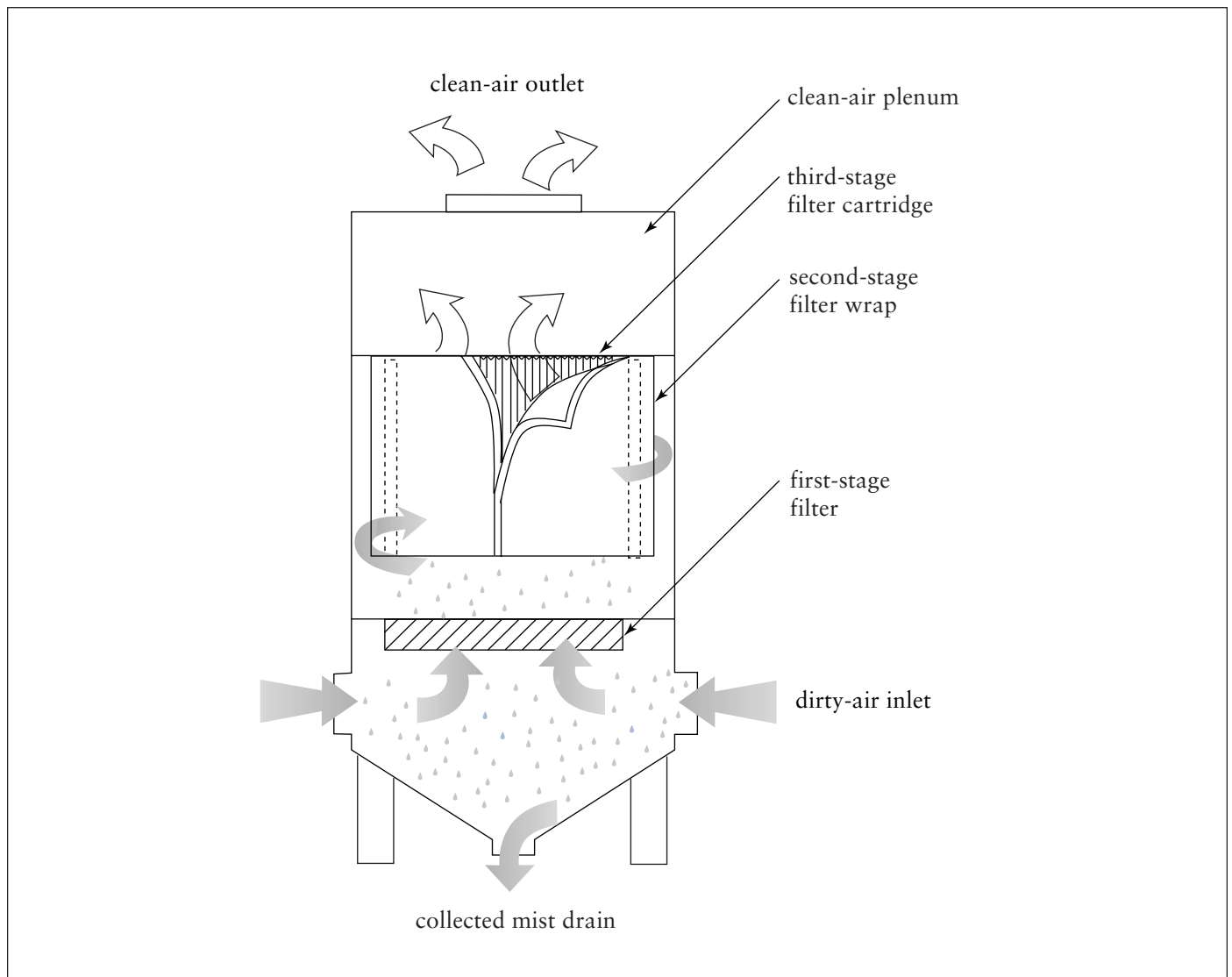
CAUTION!

- Misuse or modification of this equipment may result in personal injury.
- Do not misuse or modify.

Operation

During normal operation, contaminated air enters the unit through one or both dirty-air inlets located on each side, toward the bottom of the unit. The incoming air slows and turns upward, causing large mist droplets and particles to fall out of the air stream and into the hopper. The air passes through a reusable first-stage filter designed to collect and coalesce large droplets and particles. Smaller mist droplets pass to a second-stage filter wrap where the small droplets coalesce into larger droplets.

The third stage of filtration is the pleated filter specifically designed to collect, coalesce, and drain fine mist. As the mist coalesce, the droplets are big enough to run down the element and drain back into the collector. The droplets will drain on both the inside and outside of the filter cartridge. Liquid that collects on the inside of the cartridge drains into the hopper. Clean, mist-free air exits the filter cartridge and discharges through the top of the collector.



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 representative.
7. Remove crates and shipping straps. Remove loose components and accessory packages before lifting unit from truck.

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.

1. Safe and efficient operation of the unit depends on proper installation.
2. 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.
3. A qualified installation and service agent must complete installation and service of this equipment.

Installation

Site Selection, Grade-Mounted Units

1. The unit can be located on a reinforced concrete foundation or rooftop.
2. Wind, seismic zone, and other live-load conditions must be considered when selecting the location for rooftop-mounted units.
3. Provide clearance from heat sources and interference with utilities when selecting the location for suspended units.

Site Selection, Ceiling-Mounted Units

1. Models DMC-D2 and D4 can be suspended or hung from overhead supports. The supports must be adequate to carry the live load of the unit and installation performed to reduce sway or vibration to the unit.
2. Provide clearance from heat sources and interference with utilities when selecting the location for suspended units.

Unit Location

1. When hazardous conditions or materials are present, consult with local authorities for the proper location of the collector.
2. Foundation or roof support must be sized to accommodate the entire weight of the unit, plus the weight of the collected material, piping, and ductwork.
3. Prepare the foundation in the selected location. Install anchor bolts to extend a minimum of 2-inches above foundation unless otherwise indicated on the Specification Control drawing.
4. Locate the collector to ensure the shortest and straightest inlet- and outlet-duct length, easy access to electrical and compressed-air connections, and routine maintenance.

Electrical Wiring



WARNING!

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

1. All electrical wiring and connections, including electrical grounding, should be made in accordance with the National Electric Code and NFPA No. 70-latest edition.
2. Check local ordinances for additional requirements that apply.
3. The appropriate wiring schematic and electrical rating must be used. See unit's rating plate for required voltage.
4. 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 and NFPA No. 70-latest edition. Check unit's rating plate for voltage and amperage ratings.
5. Refer to the wiring diagram for the number of wires required for main power wiring and remote wiring.

Rigging Instructions

Suggested Tools & Equipment

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

Hoisting Information

1. Use all lifting points provided.
2. Use clevis connectors, not hooks, on lifting slings.
3. Use spreader bars to prevent damage to units casing.
4. Check the Specification Control drawing for weight and dimensions of the unit, subassemblies, and components to ensure adequate crane capacity.
5. Allow only qualified crane operators to lift the equipment.
6. Refer to applicable OSHA regulations and local codes when using cranes, forklifts, and other lifting equipment.
8. Lift unit and accessories separately, and assemble after unit is in place.
8. Use drift pins to align holes in section flanges during assembly.



CAUTION!

- 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.

Standard Equipment

Floor Mount

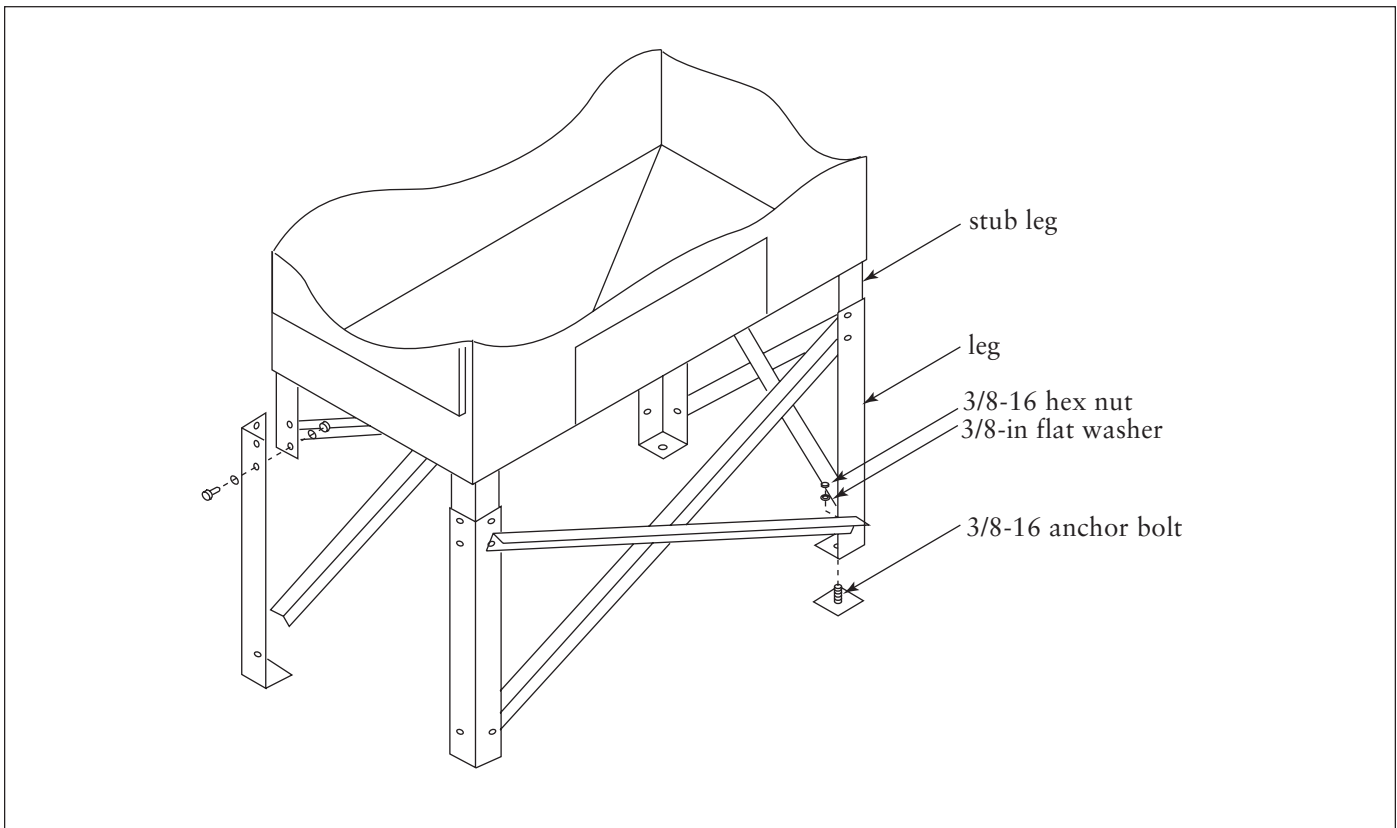
Models DMC-D2 and D4

1. Prepare the foundation in the selected location. Install customer-supplied 3/8-16 anchor bolts extending a minimum of 1 1/2-inches above foundation.
2. Using a crane or forklift, raise the unit to the required height.
3. Attach legs to the outside of the unit's stub legs with bolts, washers, and nuts supplied. Do not tighten hardware at this time.
4. Lower unit to the anchor bolts.
5. Level unit and secure all hardware.
6. Remove crane or forklift.



CAUTION!

- When using a crane, use clevis pins and a sling attached to all lifting lugs.
- Secure the upper portion of the collector to the forklift's mast. The collectors have a high center-of-gravity and may overturn if not secured properly.



Leg Installation, Model DMC-D2 and D4

Models D6 through D10

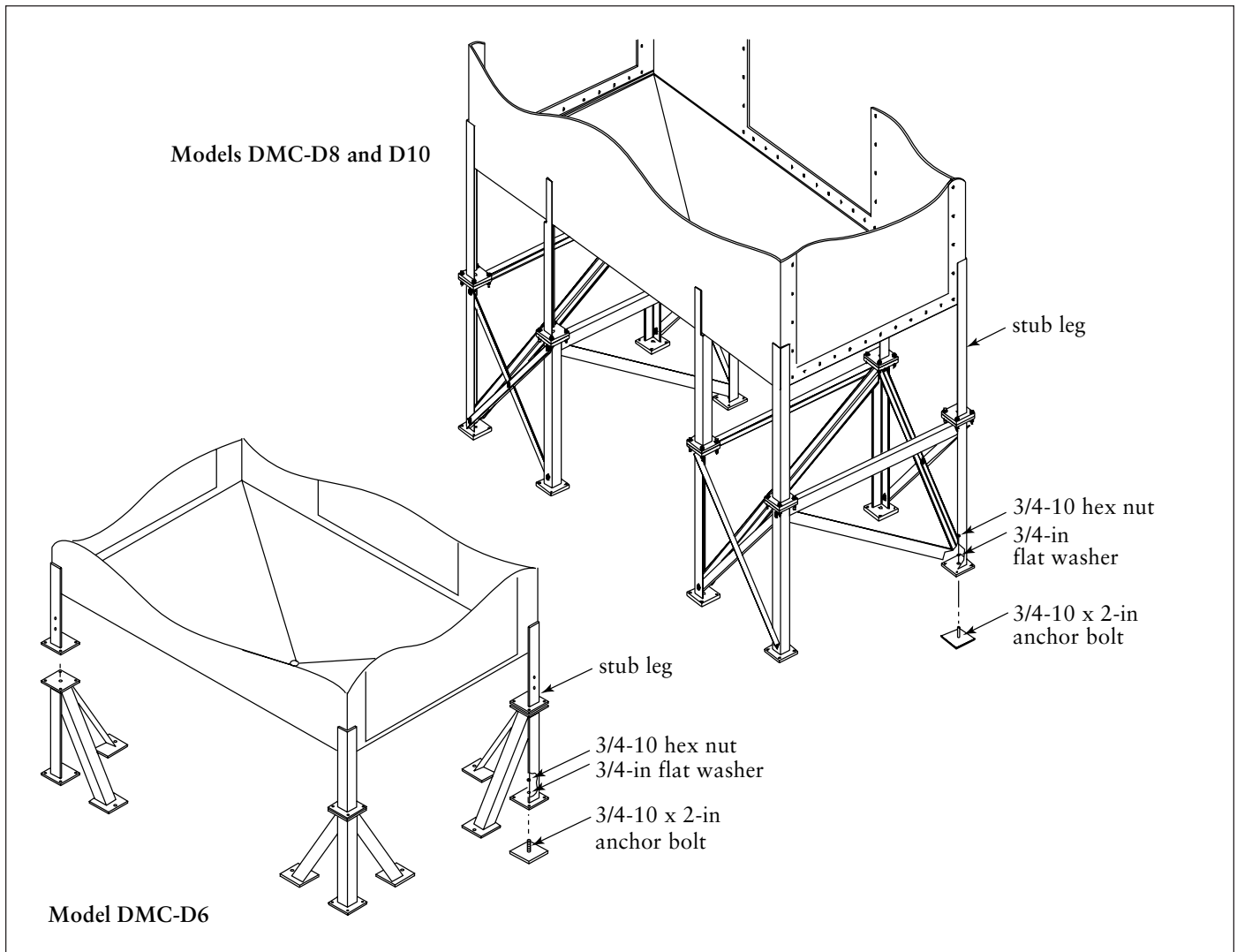
1. Install 3/4-10 anchor bolts extending a minimum of 2-inches above foundation.
2. Assemble legs and cross braces as shown in Leg and Cross Brace Assembly, DMC-D8, and D-10.
3. Using a crane or forklift, raise the unit to the required height.
4. Attach legs to the outside of the unit's stub legs with bolts, washers, and nuts supplied. Do not tighten hardware at this time.
5. Lower unit to the anchor bolts.

6. Level unit and secure all hardware.
7. Remove crane or forklift.



CAUTION!

- When using a crane, use clevis pins and a sling attached to all lifting lugs.
- Secure the upper portion of the collector to the forklift's mast. The collectors have a high center-of-gravity and may overturn if not secured properly.



Leg Installation, Models DMC-D6, D8, and D10

Ceiling Mount

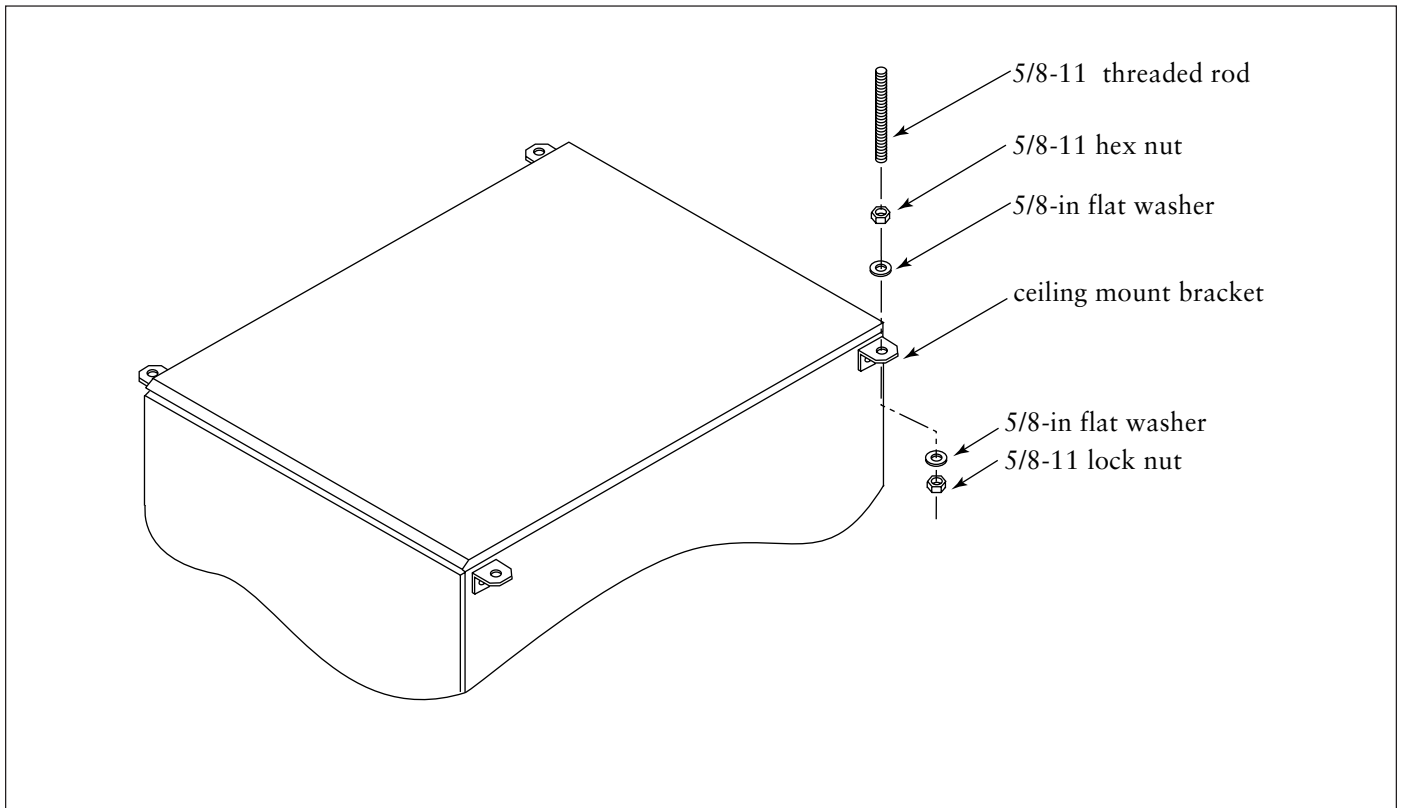
Note: All ceiling supports must be sized to accommodate the entire weight of the unit, plus the weight of the collected material, piping, and ductwork. See the Specification Control drawing for unit's weight.



CAUTION!

Secure the upper portion of the collector to the forklift's mast. The collectors have a high center-of-gravity and may overturn if not secured properly.

1. Use four, ASTM-A36 or greater, 5/8-11 (M16-2) threaded rods to suspend the unit. Thread a 5/8-11 (M16-2) nut onto each rod at least 1 1/2-in (40mm).
2. Raise unit into position. Place a 5/8-in (M12) flat washer on each rod before placing the rod through the ceiling mount bracket.
3. Place another flat washer and a 5/8-11 (M16-2) lock nut on the threaded rod under the ceiling mount bracket. Allow 1/4-in (6 mm) of threaded rod to protrude through each nut.
4. Level unit in all directions by tightening the bottom lock nut.
5. When unit is level, lower the top nut to the top washer and bracket. Hold the bottom lock nut and tighten the top nut securely.
Note: Maintain 12-in minimum clearance above collector for exhaust air.
6. Level unit before tightening hardware.



Ceiling Installation

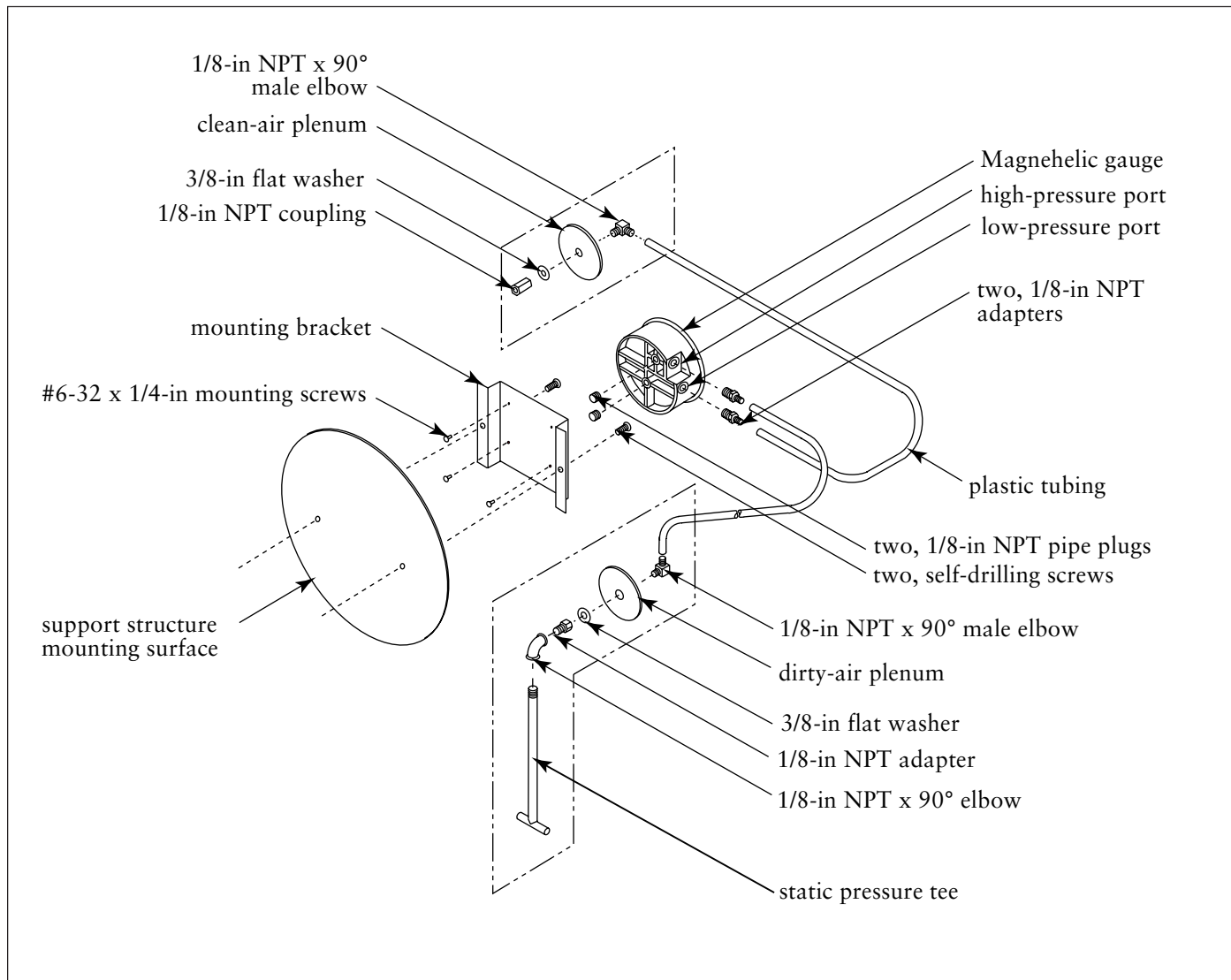
Magnehelic Gauge Installation

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

1. Choose a convenient, accessible location on or near the unit for mounting that provides the best visual advantage.

If unit is equipped with factory-installed pressure taps, skip to Step 5.

2. Before drilling, place a piece of non-combustible cloth over the filter opening in the clean-air plenum to protect them from drilling chips.
3. Place a piece of wood behind the drill location in the dirty-air plenum to protect the filters from damage by the drill bit. Use a .406-inch diameter bit to drill the holes as shown in Magnehelic Gauge, Detail A.
4. Mount the pressure tap hardware on the clean-air plenum panel. Mount the pressure tap with the tee inside the dirty-air plenum.
5. 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. Attach the mounting bracket using three, #6-32 x 1/4-in screws supplied.
6. Mount the gauge and bracket assembly to the supporting structure using two, self-drilling screws.
7. 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 plenum. Connect remaining tubing from the gauge's low-pressure port to the fitting in the clean-air plenum. Additional tubing can be ordered from your representative.
8. Carefully remove the cloth protecting the filters. Close access doors and tighten securely by hand.
9. Zero and maintain the gauge as directed in the manufacturer's Operating and Maintenance Instructions provided.

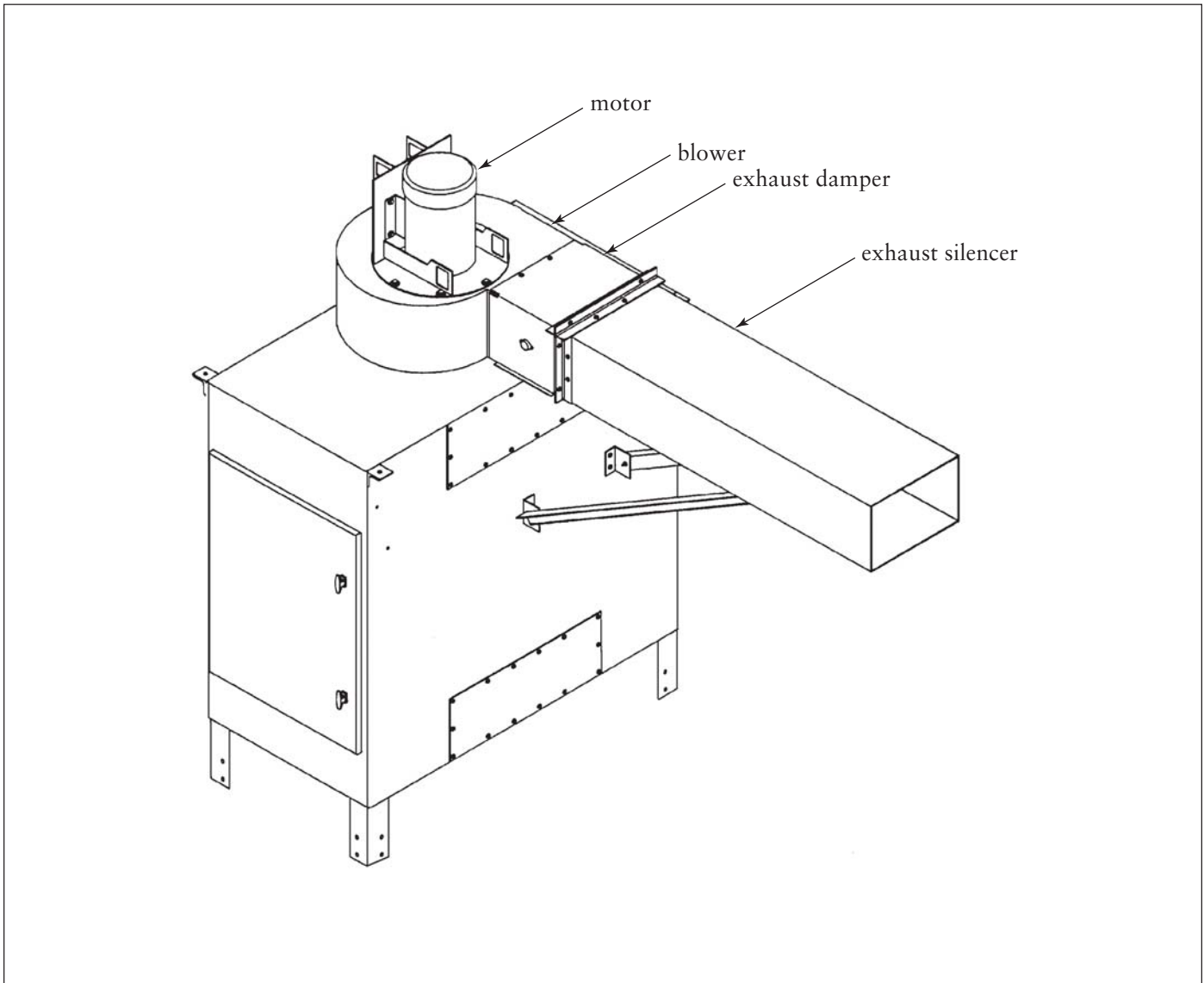


Magnehelic Gauge Installation

Blower and Motor Installation

Optional top-mount blower and motor assemblies are available for Models DMC-D2 through D6. Blower and motor assemblies for Models DMC-D8 and D10 must be remote- or floor mounted. Refer

to the blower and motor installation instructions shipped with the blower and motor assembly for detailed installation instructions.



Blower and Motor Installation

Electrical Connection



WARNING!

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

Note: All electrical components must be sized for the supply voltage and motor horsepower.

1. Install a customer-supplied motor starter in a convenient, accessible location.
2. Make the wiring connections to the fan motor according to the wiring diagram located inside the control box and the instructions on the motor.

Note: If unit is equipped with the optional plenum silencer, use rigid or flexible conduit and the appropriate fittings for the motor wiring.

3. Turn the fan-motor ON then OFF and check for proper rotation by referencing the rotation arrow on the blower housing.

To reverse rotation, three-phase power supply:

Turn electrical power OFF at source and switch any two leads on the output-side of the fan-motor starter.

Optional Equipment

First-Stage Filter

Heavy Liquid-Load Applications

A polypropylene first-stage filter is available for heavy liquid-load applications. This filter is reusable however, may require periodic cleaning. Because of temperature limitations with the polypropylene material, do not use high temperature cleaning methods such as steam cleaning.

Heavy Dust-Load Applications

A thin screen is available for the first-stage filter for use in applications involving heavy dust-load collection such as wet grinding operations. Clean the screen by shaking or spray washing and reuse.

HEPA Filter

A fourth-stage HEPA filter offers 99.97% on 0.3-micron particle efficiency. Recommended for use in applications where smoke or other small particulate is generated such as machining operations generating large amounts of heat or applications using straight oil as a lubricant or coolant.

Plenum and Exhaust Silencer, DMC-D2-D6

Plenum and exhaust silencers are available for the optional blower and motor assemblies. Plenum silencers are mounted on top of the collector and are equipped with their own exhaust damper. Exhaust silencers are mounted to the blower discharge and require a separate damper for airflow control.

Exhaust Damper

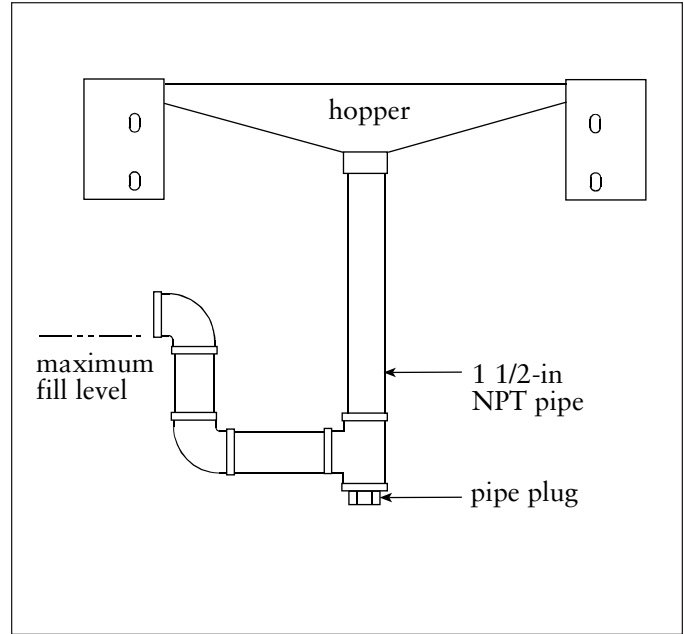
An exhaust damper, attached to the blower outlet is used to control system airflow.

P-Trap or Y-Strainer

The P-Trap and P-Trap with Y-Strainer allows continuous drainage of collected liquid without turning the unit OFF. The P-Trap with Y-Strainer is for use in heavy particulate-load applications. The Y-Strainer collects larger particulate, which helps keep the P-Trap from plugging.

1. Install the 1 1/2-in NPT pipe as shown in P-Trap Installation.
2. Plumb the P-Trap to a receptacle or install a return line back to the machine center.
3. Fill P-Trap before starting unit.

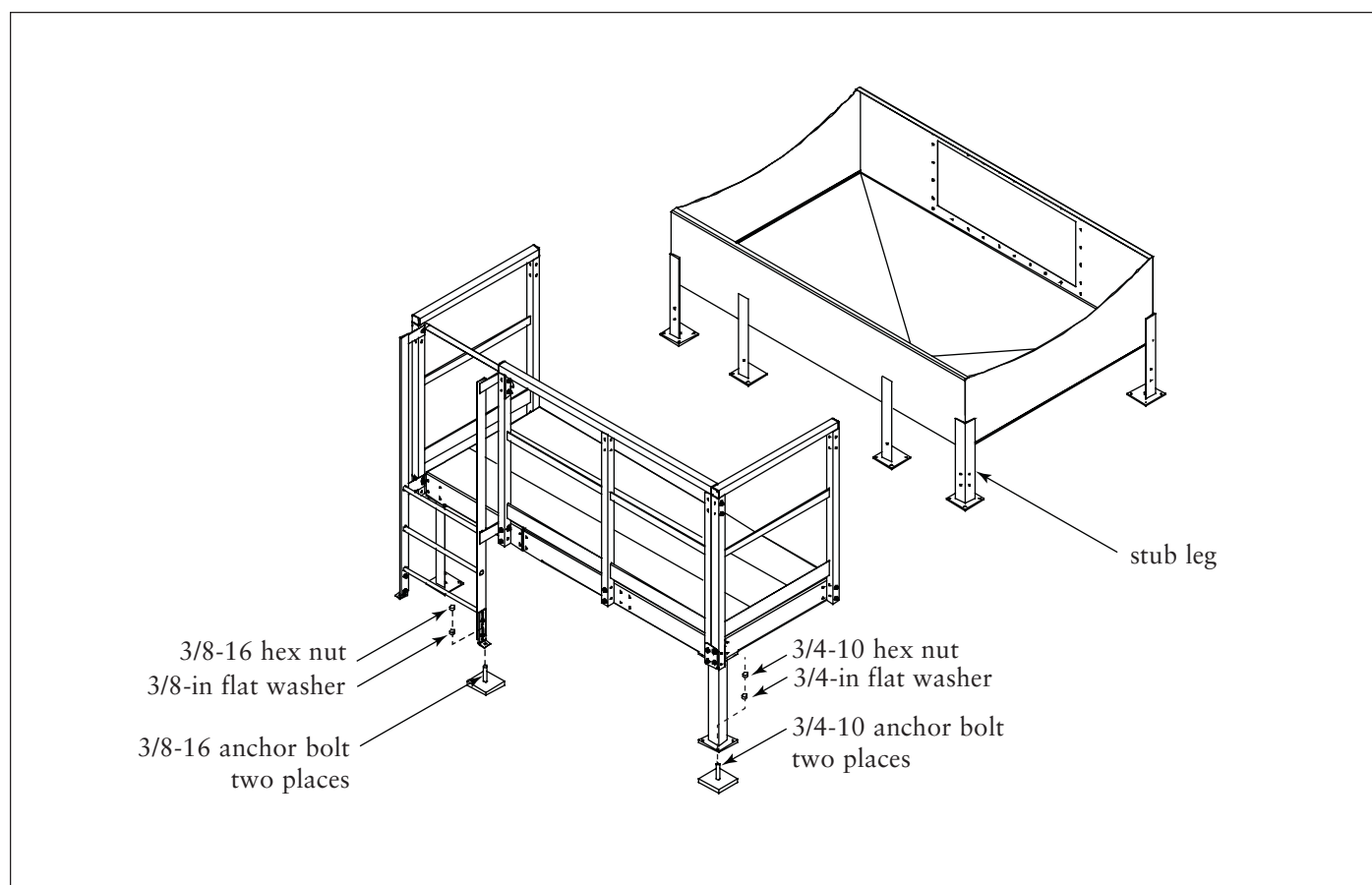
Note: The characteristics of some machining fluids change with time, use, and exposure to air. Check the condition of the collected fluid before re-using.



P-Trap Assembly

Platform, DMC-D6, D8, and D10

1. Secure the base of the ladder and the platform's legs to the floor with customer-supplied anchor bolts. Use 3/8-16 anchor bolts for the ladder and 3/4-10 anchor bolts for the platform legs. Install the 3/8-inch anchor bolts to extend 1-inch above the floor, and the 3/4-inch platform leg anchor bolts to extend 2-inch above the floor.
2. Assemble the platform on the ground.
3. Lift platform and secure to the unit. Tighten all hardware before removing crane.
4. Reference the Installation Instructions shipped with the platform for location of railings, platform, and ladder.



Platform Assembly, DMC-D6, D8, and D10

Preliminary Start-Up Check

1. Check all electrical connections for tightness and contact.
2. Check for and remove all loose items in or near the inlet and outlet of the unit.
3. Check that all remote controls are wired into the control system, and all service switches are in the OFF position.
4. Check that all optional accessories are installed properly and secured.
5. Check that hopper discharge is open and the storage container is sealed, if equipped. Excess airflow to the blower will cause electrical failure.
6. Turn power ON at source.
7. Turn the fan motor ON then OFF to check for proper rotation by referencing the rotation arrow located on the motor's mounting plate.
To reverse rotation, three-phase power supply:
Turn electrical power OFF at source and switch any two leads on the output-side of the fan-motor starter.
8. Adjust the blower/fan for proper airflow by adjusting the volume control damper on the blower/fan discharge, if equipped.

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



CAUTION!

- *Do not* look into fan outlet to determine rotation.
- Check that the exhaust plenum is free of tools or debris before checking blower/fan rotation.
- Stand clear of exhaust to avoid personal injury.

Service Information

Operational Checklist

1. Monitor overall performance of the collector.
2. Monitor exhaust. Exhaust should remain visually clean throughout filter life. If leaks are visible, check the filter cartridge and optional HEPA filter for positive gasket seals.
3. Monitor hopper drainage. If slow or stopped, check hopper for obstructions and clean as necessary. Check the first-stage filter and clean as required. Check that the P-trap is full. Refill if it is low or dry. The hopper and hopper screen may also require cleaning.
4. Monitor pressure drop across filters. If the pressure gauge is in the red zone, the second-stage filter wrap or third-stage filter cartridge may need replacement. In some applications, it may be necessary to replace the second-stage filter wrap two to three times during the life of a single, third-stage filter cartridge. To determine if the second-stage filter wrap needs replacing, install a clean wrap, restart the unit, and check the pressure gauge reading. If the gauge is now in the green zone, continue to operate the unit with the new wrap. If the gauge still reads in the red zone, the filter cartridge needs replacement.

Note: Do not operate the Dryflo Mist Collector without the first-stage filter, screen, or second-stage filter wrap in place. Significant reduction in third-stage filter life can result.

First-Stage Prefilter

Remove the prefilter through the lower access door. Clean the prefilter by tapping it gently over an appropriate waste container. If further cleaning is required, soak in an appropriate wash tank, rinse, dry, and re-install.

Note: The polypropylene prefilter should not be cleaned using high temperature, steam-cleaning methods.

Do not operate the Dryflo Mist Collector without the prefilter or second-stage filter wrap in place. Significant reduction in third-stage filter life can result.

Second-Stage Filter Wrap Replacement

Note: Replace the second-stage filter wrap and third-stage filter cartridge at the same time for easy maintenance.

1. Remove the filter cartridge by pulling the filter retention lever out and down to a horizontal position. Remove cartridge from unit.
2. Pull wrap from filter cartridge and dispose of properly.
3. Install new wrap, aligning the top of the wrap to the top of the cartridge and fasten securely with hook and loop fastener.
4. Replace filter cartridge and secure with filter retention mechanism.

Note: Do not operate the collector without the second-stage filter wrap installed. Significant reduction in filter cartridge life may result.

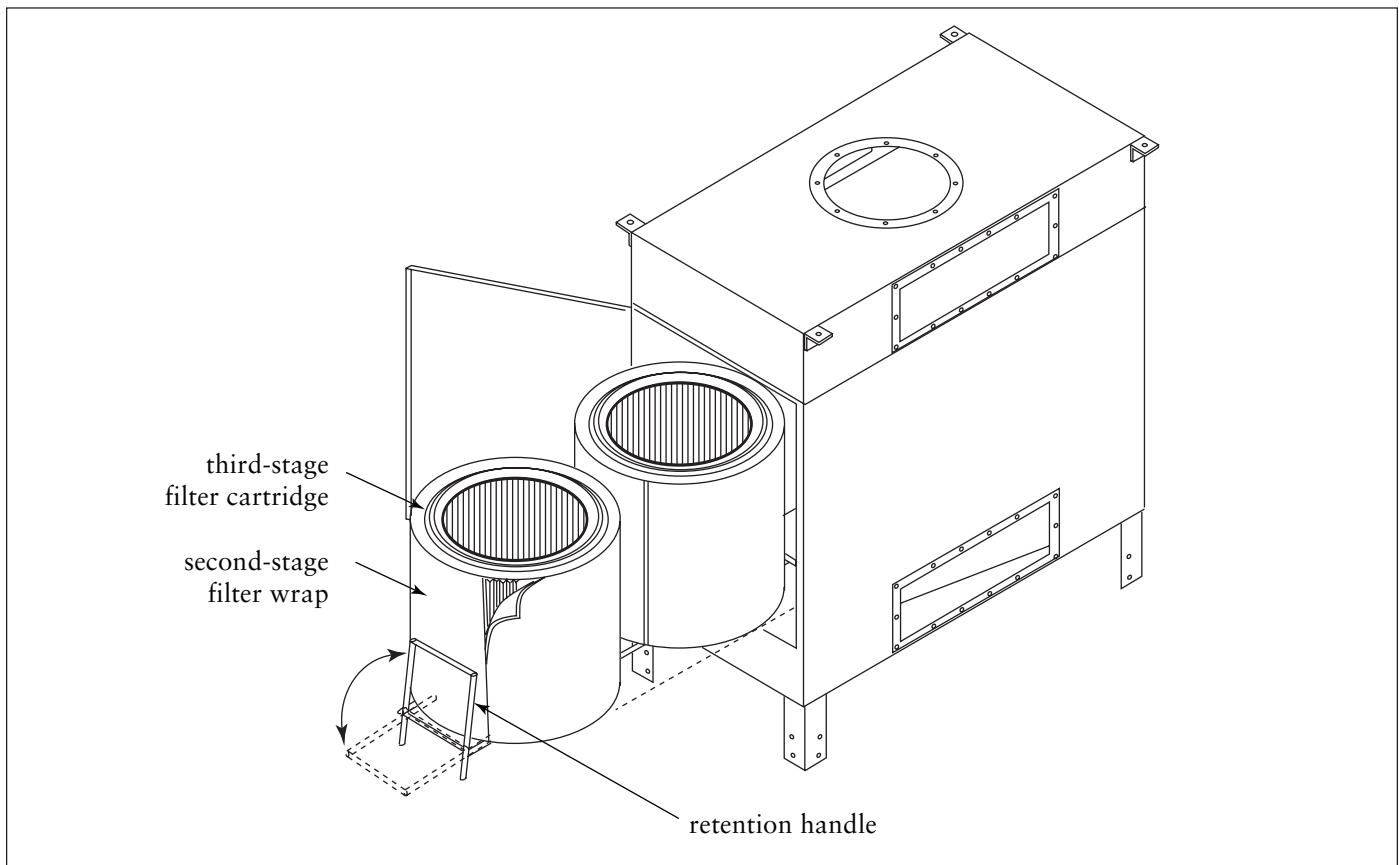
Third-Stage Filter Replacement

Note: Replace the second-stage filter wrap and third-stage filter cartridge at the same time for easy maintenance.

1. Remove the filter cartridge by pulling the filter retention lever out and down to a horizontal position. Remove cartridge from unit.

Note: A large plastic garbage bag placed over the top of the used filter allows cleaner filter change out. The filter can be tipped forward and out of the unit while the bag is pulled up over the bottom of the cartridge.

2. Place new filter and wrap on the filter retention platform, gasket side up. Slide filter back as far as it will go and center side-to-side.
3. Lift the filter retention lever up and close access door.



Filter Replacement

P-Trap

1. Place a suitable container under the p-trap, turn the collector OFF, and remove the pipe plug.
2. Allow fluid and particulate to drain.
3. Use thread sealant and replace pipe plug.
4. Refill the p-trap with suitable fluid before restarting the collector.

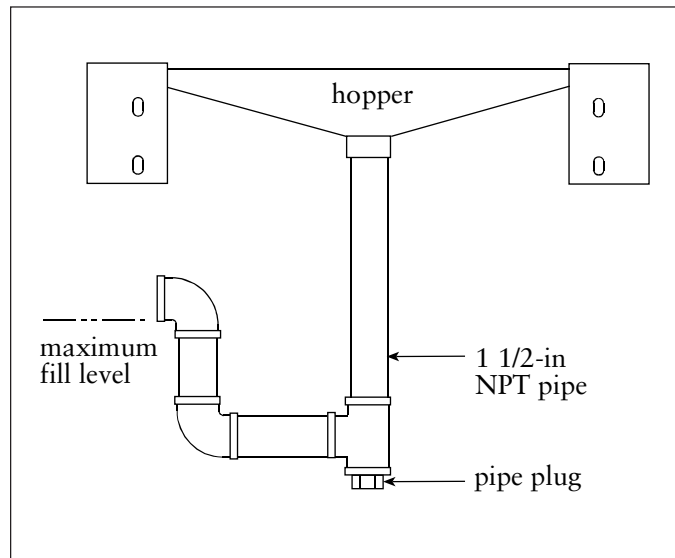
P-Trap with Y Strainer, Screen Cleaning

1. Place a suitable container under the screen clean-out valve, turn the collector OFF, close the p-trap valve, then open the screen clean-out valve.
2. Allow fluid and particulate to drain.
3. With the clean-out valve open, slowly open the p-trap valve. This allows fluid still trapped in the hopper to drain.

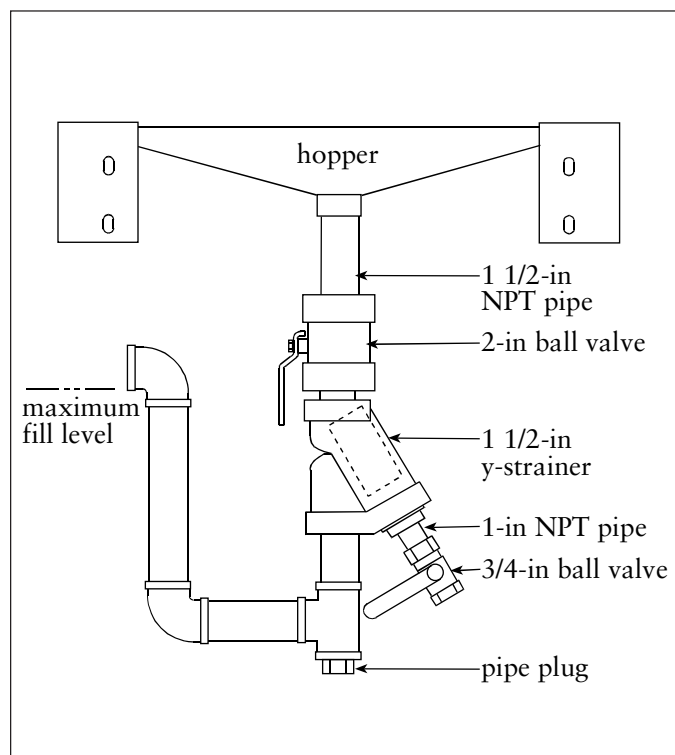
Note: A substantial amount of fluid may be trapped in the hopper and could exceed the container capacity. Open the p-trap valve slowly.

P-Trap with Y Strainer, Screen Removal

1. Close the p-trap valve.
2. Unscrew the screen cap and pull the screen out.
3. Clean the screen and the inside of the y-strainer body and re-assemble taking care to seat the screen in the body and cap.
4. Close the clean-out valve.
5. Refill the p-trap with suitable fluid before restarting the collector.



P-Trap



P-Trap with Y-Strainer

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.
	Overload relay tripped	Reset. Check amp draw on motor leads.
	Defective overload heater or overload assembly	Replace as necessary.
Blower fan and motor start, but do not stay running	Incorrect motor starter heater elements installed	Check for proper heater elements and replace if necessary.
	Access doors are open or not closed tight	Close and tighten access doors.
	Electrical circuit overload	Check that the power supply circuit has sufficient power to run all equipment.
Clean-air outlet discharging oil mist	Filter cartridges not installed correctly	See Service Information on Page 19.
	Filter cartridge damage, dents in the end caps, gasket damage or holes in pleated media	Replace filters as necessary. Use only genuine Donaldson replacement parts. See Service Information on Page 19.

Problem	Probable Cause	Remedy
Insufficient airflow	Fan rotation backwards	Proper fan rotation is clockwise when looking down at the blower motor. See Preliminary Start-Up Check on Page 18.
	Access doors open or not closed tight	Check that all access doors are in place and secured.
	Fan exhaust area restricted	Check fan exhaust area for obstructions. Remove material or debris.
	First-stage filter plugged	Remove and clean or replace.
	Second-stage filter wrap plugged	Remove and replace. See Second-Stage Filter Wrap Replacement on Page 20.
Insufficient hopper discharge	Plugged P-trap	Clean P-Trap. See P-Trap on Page 21.
	Filter cartridges need replacement	Remove and replace using genuine Donaldson replacement filters. See Third-Stage Filter Cartridge Replacement on Page 20.
Liquid leaking from collector door	Plugged P-trap	Clean P-Trap. See P-Trap on Page 21.
	Plugged or full drain collection container	Remove and clean or empty the drain collection container.

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Limited 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 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.**

Parts and Service

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

800-365-1331 USA

800-343-3639 within Mexico

www.donaldsontorit.com

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



Donaldson®
Filtration Solutions

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Industrial Air Filtration
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dustmktg@mail.donaldson.com

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.