

Dryflo® Mist Collectors



Dryflo®

Nothing Compares To A Dryflo®

The Dryflo® line of mist collectors from Donaldson® Torit® is one of the most effective and efficient mist filtration solutions for any sized application—large or small. Available in three distinct models (Machine-Mountable, Standard and Advanced), Dryflo mist collectors provide a more productive work environment unfettered by coolant and machining oil mist.

The first and only complete line of cartridge collectors *specifically* engineered for mist collection, Dryflo provides an unbeatable combination of high performance technology and easy, predictable maintenance in the most extensive range of configurations available.

Dryflo Offers:

- **Higher collection efficiency**
- **Cleaner, more pleasant work environment**
- **Reduced risk of mist-related hazards**
- **Faster, easier collector maintenance**
- **Lower plant maintenance costs**
- **10-year warranty**

Dryflo
Leaves the
Competition
All Wet



DMC-MMA

The Dryflo Difference

Dryflo collectors capture mist like no other filtration system, providing the highest levels of performance, collection efficiency and fast, easy maintenance.

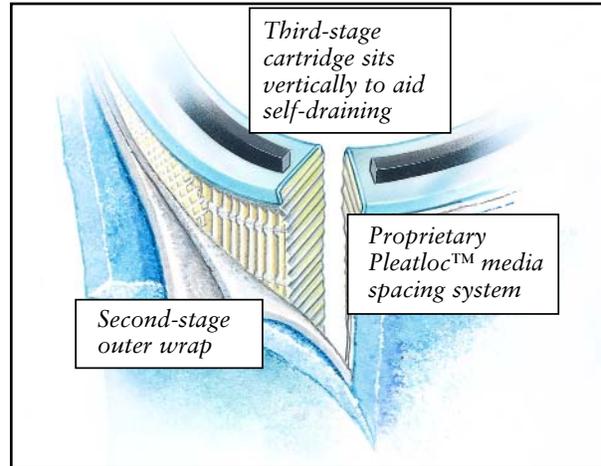
- **Innovative Technology** Provides high performance mist filtration when used individually or in combination with a wet machining operation.
- **High Performance** Proprietary filter cartridge technology significantly outperforms electrostatic precipitators as well as mist collectors that use standard HVAC envelope and cassette filters.
- **High Efficiency** Dryflo provides a high filtration efficiency of 98% on 1.8 micron particles.
- **Broad Range** Available in Machine-Mountable, Standard and Advanced models to accommodate a wide range of applications, plant layouts and budget requirements.
- **Quick and Easy Maintenance** Pressure differential gauge shows when maintenance is required, and unique air-side filter retention system allows for quick filter changes while ensuring minimal worker contact with collected oil.



Multi-Stage Filtration, High Efficiency Media

Three-Stage Filtration Dryflo filter media, specifically engineered for mist collection, provides three-stage, high efficiency (98% on 1.8-micron particles) filtration. Mist first filters through the Dryflo Pleatloc™ media spacing system, then encounters a special outer wrap that allows the filter cartridge to drain and prevents the collected liquid from entering the clean airstream. The third and final stage enlists gravity to promote the drainage process through vertical orientation of the filter cartridges inside the collector.

High Performance Three-Stage Filtration



Quick and Easy Filter Changes Dryflo filters help ensure minimal worker contact with collected oil. Filters are changed from the clean-air side of the collector using Donaldson Torit's unique filter retention system.

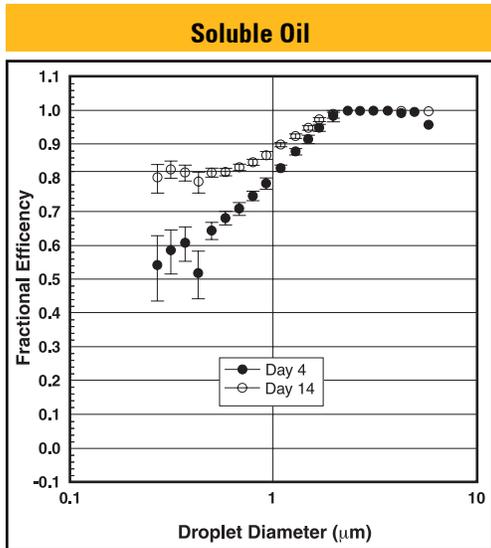
Predictable Maintenance There's no guesswork when it comes to maintaining a Dryflo mist collector. As the cartridge filter loads, the pressure drop increases predictably, and a pressure differential gauge tells the operator precisely when filters need to be changed.



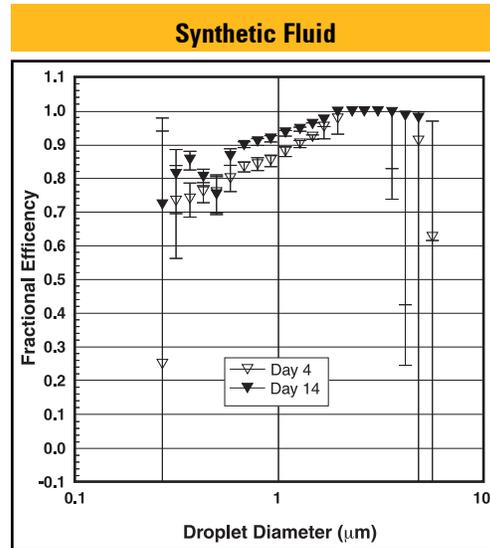
Donaldson®

Performance Data

Long-Lasting Efficiency The Dryflo cartridge is a proven, highly efficient mist filter that actually increases efficiency over time when collecting soluble oil or synthetic fluid. In tests conducted by the University of North Carolina (UNC), Dryflo was shown to be the only mist cartridge filter to offer increased efficiency over time, resulting in longer HEPA filter life and reduced HEPA filter replacement costs.



Efficiency vs. droplet diameter for Dryflo cartridge and wrap assembly on days 4 and 14 with soluble oil at an airflow of 1000 CFM. Error bars represent 95% confidence intervals.



Efficiency vs. droplet diameter for Dryflo cartridge and wrap assembly on days 4 and 14 with synthetic fluid at an airflow of 1000 CFM. Error bars represent 95% confidence intervals.

Gauging Efficiency Using UNC’s protocol for evaluating the cartridge efficiency, Dryflo mist collectors with HEPA final filter are a reliable, high performance filtration solution. To prolong HEPA filter life, the upstream filter stages must also be highly efficient. HEPA life depends on the cumulative loading it receives, which in turn, depends on the performance of the upstream collection stages.

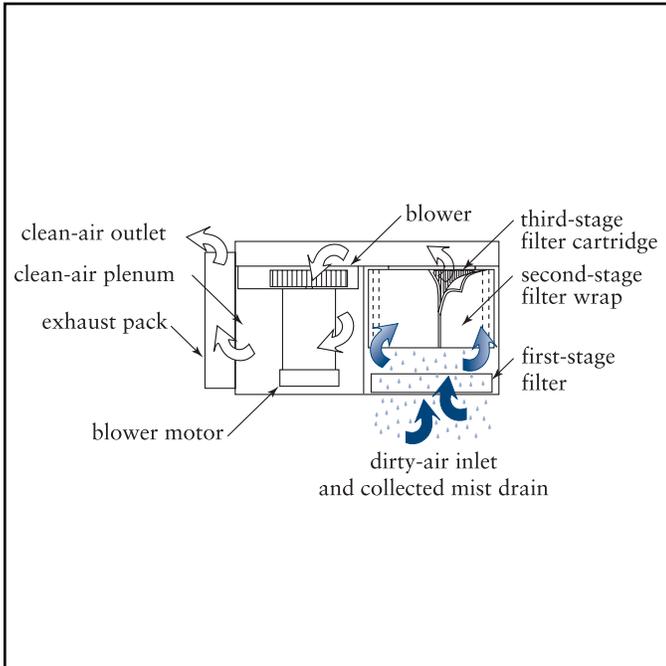
Evaluating efficiency as a function of droplet diameter and pressure drop over 14 days, UNC protocol determines the size distribution of droplets generated during a variety of wet machining operations. Droplet sizes ranging from 1.8 micron to 3.2 micron were tested to determine the average efficiency of Dryflo collectors on soluble oil and synthetic fluid.

Average Efficiency of Dryflo on Soluble Oil and Synthetic Fluid		
Droplet Size	Dryflo Collector With HEPA	Dryflo Collector Without HEPA
1.8 micron	100%	98%
3.2 micron	100%	100%

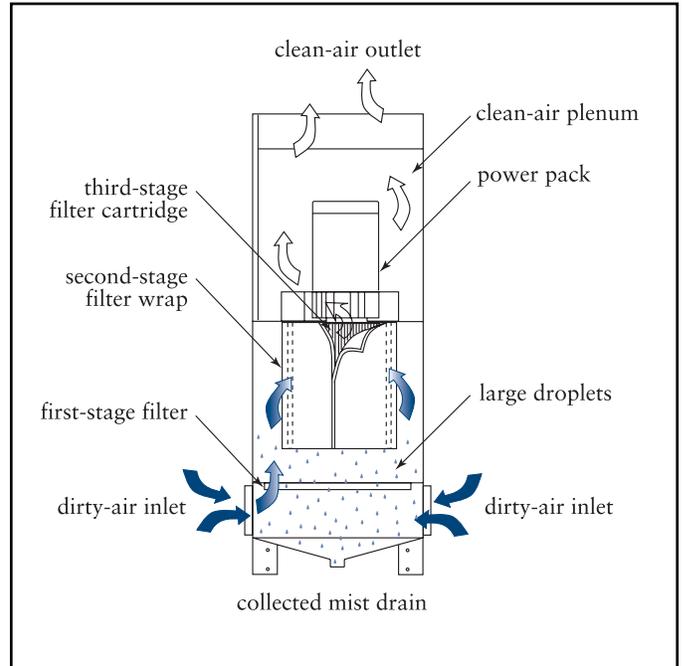
Note: The data provided in this report is a result of tests performed using the UNC protocol. When comparing these results with other products, be sure the data being compared is derived by the same methodology.

Sizes & Operations

Normal Operations



Normal Operations



DMC-MMA, MMB

- Mounts directly onto a machining center to collect oil, water-soluble and synthetic coolant
- Offers three stages of filtration plus optional HEPA filter
- Airflow capacities from 390 to 800 cfm
- Quiet operation
- Cartridge efficiency increases as unit operates



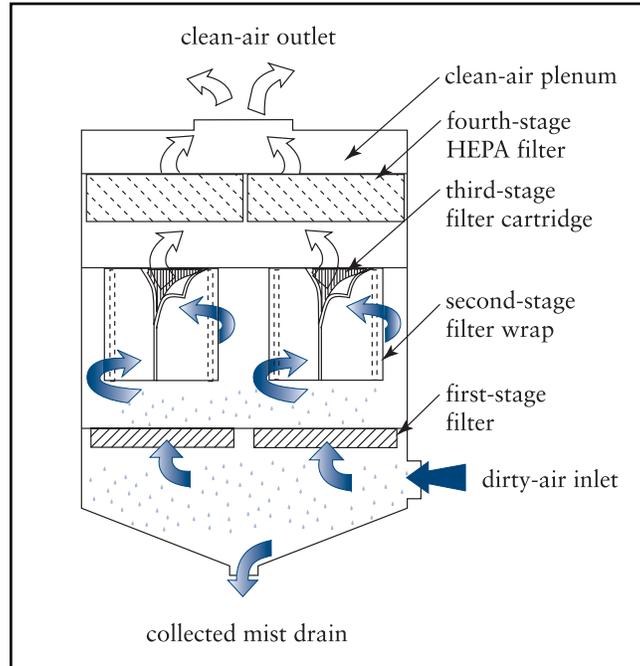
DMC-C, D1, D2, D4, D6, D8, D10

- Collects mist as well as some dust
- Airflow capacities from 1,000 to 2,000 cfm
- Dryflo filter cartridge provides high filtration efficiency of 98% on 1.8-micron particles
- Drain collection containers and hopper screen keep hopper clean and prevent drain clogs
- High performance filter media accommodates liquid-load to heavy particulate-load applications



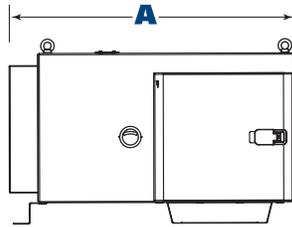
Sizes & Operations

Normal Operations

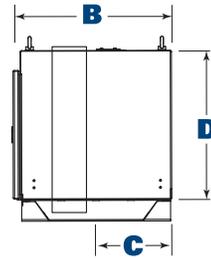


ADMC-AD6, AD8, AD10

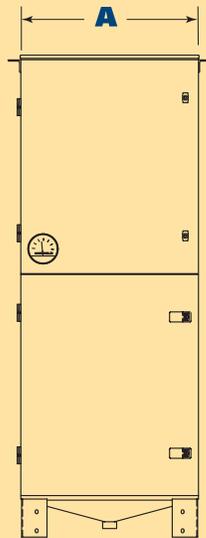
- Collects airborne mists, coolant mists and smaller amounts of dust
- With integral HEPA filter, smoke from machining operations can also be collected
- Dryflo filter cartridge provides high filtration efficiency of 98% on 1.8-micron particles
- Exhaust air can be recirculated to the manufacturing floor

Dimensions & Specifications**DMC-MMA**

Front View



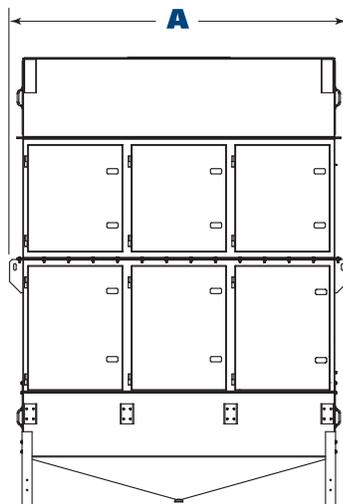
Side View

DMC-C

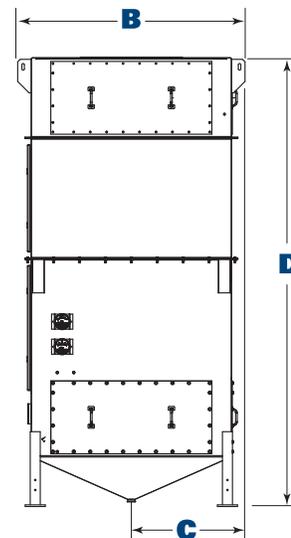
Front View



Side View

ADMC-AD6

Front View



Side View

Dimensions & Specifications

Models	Nominal Airflow* (cfm)	No. of Filters	Motor (hp)	Shipping Weight (lbs)	Dimensions (inches)				Sound Level** dB(A)
					A	B	C	D	
DMC-MMA	390	1	0.75	85	30.3	16.0	8.0	16.0	65
DMC-MMB	800	1	1.5	165	39.1	20.7	10.4	20.7	69
DMC-C	1070	1	3.0	540	32.0	28.9	14.0	76.0	68
DMC-D1	1990	1	†	740	32.0	30.1	14.0	86.6	77
DMC-D2	4400	2	†	635	26.0	55.0	30.0	67.7	—
DMC-D4	8800	4	†	1725	57.0	55.0	30.0	81.5	—
DMC-D6	13200	6	†	2125	101.3	63.7	30.0	98.2	—
DMC-D8	17600	8	†	2900	132.3	63.7	30.0	109.0	—
DMC-D10	22000	10	†	3550	163.3	63.7	30.0	123.8	—
ADMC-AD6	13200	6	†	4420	101.3	68.0	30.0	134.5	—
ADMC-AD8	17600	8	†	5600	132.3	68.0	30.0	145.2	—
ADMC-AD10	22000	10	†	7300	163.3	68.0	30.0	160.0	—

Optional fans available

* Based on clean filter

** Published dB(A) sound levels are for units without HEPA filter and are an overall average. This average is determined for one operating condition: clean filter, at maximum airflow, three (3) feet from the unit in a controlled laboratory environment. Actual installed equipment sound levels will vary depending on the measurement location, the operating condition, the installation and the environment.

Service & Support

Here To Serve You Providing superior mist collectors and replacement filters that offer high performance and efficiency distinguishes Donaldson Torit from other manufacturers. When it comes to customer support, no other manufacturer can match Donaldson Torit's technical expertise and commitment. Rely on Donaldson Torit to help you choose the best mist collectors and filters for your application.

- **Broadest Selection** Donaldson Torit offers a comprehensive range of Dryflo mist collectors and filters, each tailored to provide the precise level of performance and efficiency that you need. And with our world-renowned research and development, we can engineer a unique filtration system to fit those applications that require a more custom approach.
- **Knowledgeable Support** Donaldson Torit's network of sales and aftermarket representatives provide the expertise and knowledge you need to help you choose the right Dryflo mist collector for your application. No other manufacturer dedicates as much time and resources to making sure you find the right solution for your production line—and your bottom line.
- **Easy Access** Discover the difference in Donaldson Torit mist collectors and replacement filters. For more information, call your customer service representative today or visit us online at www.donaldsontorit.com.

The image displays a screenshot of the Donaldson Torit website's 'Industrial Air Filtration' page. The page features a navigation menu on the left with categories such as 'Product Overview', 'Cartridge Collectors', 'Bag Collectors', 'Fume Collectors', 'Mist Collectors', 'Ancillary Parts', 'Replacement Filters', 'Refurbished Equipment', 'Applications', and 'Contact Us'. The main content area includes a search bar, a 'Buy Filters Online' button, and a 'Filter Store' callout. A customer service representative is shown in an inset image, smiling and wearing a headset. The background of the page shows a warehouse setting with a forklift and stacks of boxes.

Standard Features & Options

All Dryflo models include three-stage filter as a standard feature.

Standard Features for DMC-MMA, MMB

- Inlet Gasket
- Inlet Hopper with Legs
- Inlet Hopper with Vibration Isolators
- Ceiling Mount
- Collector Stand or Cart
- Inlet Hopper with Flex-Duct
- Inlet Hopper with Impact Separator
- Pre-wired or Unwired Control Units
- 10-Year Warranty

Standard Features For DMC-C, D1, D2, D4, D6, D8, D10

- Ceiling or Floor Mount
- P-Trap Assembly
- Inlet Collar
- Magnehelic®* Gauge
- Electrical Control Box
- 10-Year Warranty

Standard Features for ADMC-AD6, AD8, AD10

- Fourth Stage HEPA Filter
- P-Trap Assembly
- Magnehelic®* Gauge
- 10-Year Warranty

Equipment Options for DMC-MMA, MMB

- Drain Collection Container
- Junction-Box
- Fourth Stage HEPA Filter

Equipment Options For DMC-C, D1, D2, D4, D6, D8, D10

- Control Box Starter Assembly IEC/UL
- Control Box NEMA with Interlock Assembly
- Drain Collection Container

Equipment Options for ADMC-AD6, AD8, AD10

- Blower/Motor Assembly
- Exhaust Damper
- Exhaust Silencer
- P-Trap
- P-Trap with Y-Strainer
- Legs
- Ladder and Platform Assemblies

Donaldson® Torit® Look to Donaldson Torit for all of your air filtration needs. Although you may not always see our products, you can breathe easier knowing we're there.

Customer Support For nearly 90 years, Donaldson Torit has been the leading innovator of air filtration solutions that improve manufacturing plant environments for employees the world over. Driven by an unwavering commitment to customer support, Donaldson Torit is the name more manufacturers around the globe trust to deliver the most efficient and productive dust, mist and fume collectors and filter media.

Unparalleled Innovation Whether our customers need a single collector or a multi-faceted collection system, Donaldson Torit has the solution. The breadth of Donaldson Torit's innovative product line is unmatched, offering unparalleled filtration systems, ancillary parts and replacement filters. From central, source and ambient systems to baghouse, envelope and cartridge technologies, Donaldson Torit has the expertise to provide filtration solutions for virtually any application.

Global Reach Donaldson Torit manufactures and markets its filtration products throughout the world. As more manufacturers continue to expand and grow their operations globally, Donaldson Torit will be there to serve and support our customers' needs.

Rely on the Industry Leader When it comes to air filtration, you need a partner you can trust. Rely on the world leader in air filtration—Donaldson Torit.



Donaldson®

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