



Dryflo® Mist Collectors

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

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



Dryflo® Offers:

- ▶ Higher collection and filtration efficiency
- ▶ Cleaner, more pleasant working environment
- ▶ Reduced risk of mist-related hazards
- ▶ Faster, easier collector maintenance
- ▶ Lower plant maintenance costs



The Dryflo® Difference

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

High Performance

▶ Provides high performance mist filtration when used individually or in combination with a wet machining operation.

Innovative Technology

▶ Proprietary filter cartridge technology significantly outperforms electrostatic precipitators as well as mist collectors that use standard HVAC envelope, cassette filters and centrifugal force.

High Efficiency

▶ Dryflo provides a high filtration efficiency of 99.8% – as per NF X44-060, by independent laboratory CETIAT – France.

Broad Range

▶ Available in Machine-Mountable and Standard 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 retention system allows for quick filter changes, while ensuring minimal worker contact with collected oil.

New Compact Dryflo® Units

DMC-mini MMA

▶ Dryflo mini-MMA is a new concept to the established Dryflo product range for the safe collection, filtration and disposal of oil mists generated during the manufacturing process. It combines collector, filter and fan in a compact, modular design, which enables it to fit neatly and directly onto machining centres or at the specific point-of-use.

▶ The new range is suitable for operation with airflows up to 300m³/h and for the collection of oil, water soluble and synthetic coolants.

▶ A full selection of first stage filter, designed to suit individual application requirements depending on the coolants in use, is available for the range. The compact design makes the unit ideal for installations where space may be an issue.

Features

- ▶ Smallest unit for airflow capacities up to 300m³/h
- ▶ Machine mountable
- ▶ Compact design
- ▶ Three-stage filter
- ▶ Easy filter change and maintenance
- ▶ Highly efficient mist filter



DMC MMC

▶ Enhancing the Dryflo range still further is the new DMC MMC oil mist collector that is machine mountable and highly efficient in operation. Designed for airflows up to 2000m³/h, the unit offers a full selection of first stage elements to ideally suit individual applications.

Features

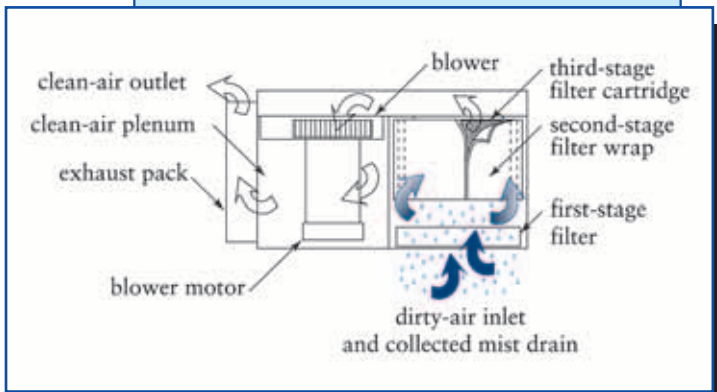
- ▶ Machine mountable
- ▶ Suitable for airflows up to 2000m³/h
- ▶ Compact design
- ▶ Three-stage filter
- ▶ Quick and easy filter change
- ▶ Easy maintenance
- ▶ Highly efficient mist filter



▶ Both units are extremely efficient in operation and use Donaldson's operationally proven three-stage filtration system specifically engineered for mist collection. As the unit operates filtration cartridge efficiency increases.

Sizes & Operations

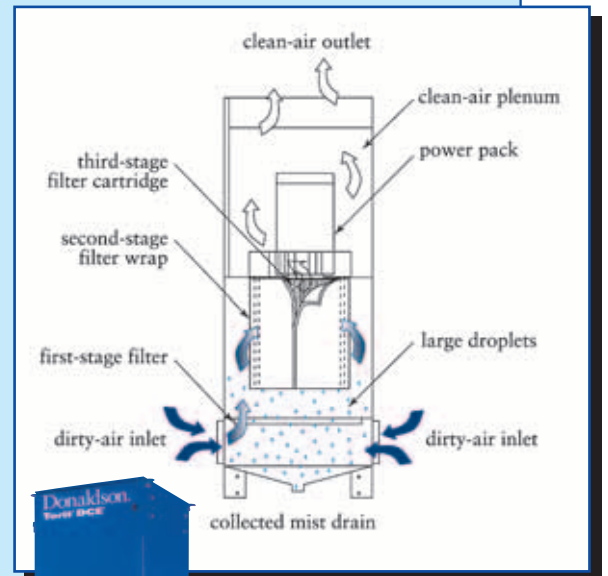
Normal Operations For Models DMC-mini MMA, MMA, MMB, MMC



DMC-mini MMA, MMA, MMB, MMC

- ▶ Compact design
- ▶ Mounts directly onto a machining centre to collect oil, water-soluble and synthetic coolant
- ▶ Selection of first stage filter elements
- ▶ Offers three stages of filtration plus optional HEPA filter
- ▶ Airflow capacities from 300 - 2000m³/h
- ▶ Quiet operation
- ▶ Cartridge efficiency increases as unit operates
- ▶ Easy maintenance

Normal Operations For Models DMC-C, D1, D2, D4, D6, D8, D10



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

- ▶ Collects mist as well as some dust
- ▶ Airflow capacities from 1,200 - 35,000 m³/h
- ▶ Dryflo filter cartridge provides high filtration efficiency
- ▶ 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

Multi-Stage Filtration, High Efficiency Media

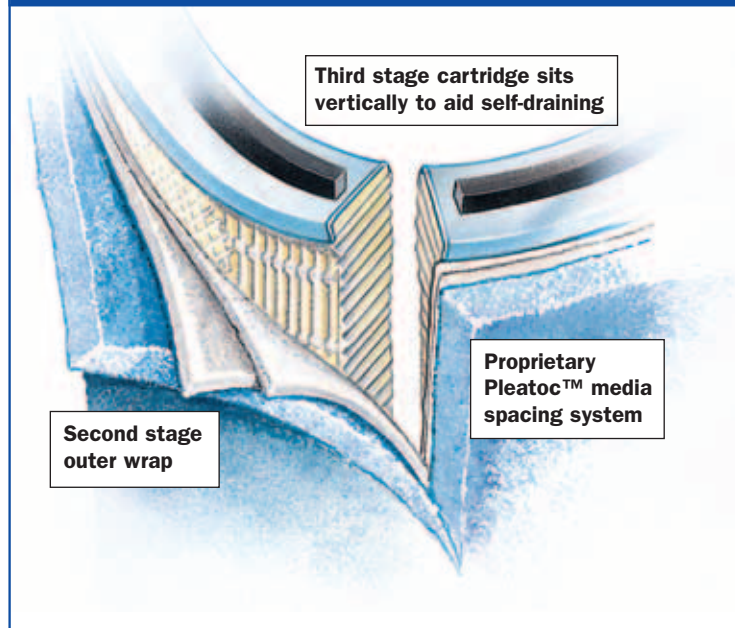
Three-Stage Filtration

► Dryflo filter media, specifically engineered for mist collection, provides three-stage, high efficiency filtration.

Mist first filters through the Dryflo first stage washable pre-filter. It then encounters a special outer wrap that allows the filter cartridge to drain and prevents the collected liquid from entering the clean air stream.

► 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 using Donaldson'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 indicates precisely when filters need to be changed to maintain operational efficiency.



Standard Features & Options

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

Standard Features for DMC-mini MMA, MMA, MMB

- ▶ Inlet Gasket
- ▶ Inlet Hopper with Legs (1)
- ▶ Inlet Hopper with Vibration Isolators (1)
- ▶ Ceiling Mount
- ▶ Collector Stand or Cart (1)
- ▶ Inlet Hopper with Flex-Duct
- ▶ Inlet Hopper with Impact Separator
- ▶ Magnehelic® Gauge
- ▶ Leg pack

Equipment Options for DMC-mini MMA, MMA, MMB, MMC

- ▶ First Stage Filter Element Options
- ▶ Drain Collection Container
- ▶ Fan Starter
- ▶ Fourth Stage HEPA Filter

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

- ▶ Floor Mount
- ▶ P-Trap Assembly
- ▶ Inlet Collar
- ▶ Magnehelic® Gauge
- ▶ Electrical Control Box
- ▶ Leg pack

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

- ▶ Drain Collection Container
- ▶ First Stage Filter
- ▶ Fourth Stage HEPA FILTER

(1) Not available on mini-MMA

MMC is only available with inlet Hopper with legs

Technical alterations reserved (9/2008)

Donaldson. *And everything just got better.*

Total Filtration Management

▶ Donaldson offers a wide variety of solutions to reduce your energy costs, improve your productivity, guarantee production quality and help preserve the environment.

Compressed Air Filtration, Sterile Filtration, Process Filtration, Refrigerant Drying, Adsorption Drying, Condensate Drains, Condensate Purification Systems, Water Chillers, Air/Oil Separation, Dust and Fume Removal, Process Air and Gas Processing, Oil Mist Separation, Industrial Hydraulics

Total Filtration Service

▶ A comprehensive range of services especially designed to keep your production at peak performance and at the lowest total cost of ownership.

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