FILTRATION ENGINEERED FOR PERFORMANCE

The Unimaster dust collector from Donaldson® Torit® is designed to maximize dust collection and the life of collector components for years of extended service. In production for over 40 years, the Unimaster collector’s compact design and quiet operation is an industry success. Yet, Donaldson Torit is continually improving the Unimaster to ensure that it provides efficient, trouble-free service.

A self-contained collector with everything needed to begin collecting dust, the Unimaster comes complete with fan and fan motor, automatic shaker and shaker motor, and system controller making installation quick and easy. Since the automatic shaker cleans the bag filters, there is no need for expensive compressed air. Ideal for intermittent operations in plant processes, the Unimaster can be used as a central system or at the point of dust generation.

THE UNIMASTER FEATURES:

COMPACT DESIGN
Minimizes floor space and fits in virtually any plant layout.

VERSATILITY
Three configurations to suit a variety of dust collection applications.

BROAD RANGE
Offering maximum air handling capacity in a compact design, the Unimaster offers filtration media area from 40 to 750 square feet.

QUIET & EFFICIENT OPERATION
Motors and fan are enclosed in collector housing to minimize noise.

EASY MAINTENANCE

10-YEAR WARRANTY

40 YEARS OF PROVEN PERFORMANCE

UMA 100
SIZES & OPERATIONS

UNIMASTER® DUST COLLECTORS

UNIMASTER PERFORMANCE:

PERFORATED INLET DEFLECTOR
Knocks down larger particles into the hopper reducing bag abrasion and increasing bag filter life

QUICK-RELEASE LEVER
Allows for easy removal and maintenance of bin

HEAVY-DUTY FLEXIBLE METAL COILS
Inserted into filter bags keeps bags open to maximize airflow and assist in knocking dust off during cleaning cycle

BAG-RELEASE LEVERS
Allow for easy removal of bags
DIMENSIONS & SPECIFICATIONS

HOPPER BASE

BIN VENT BASE (H-TYPE)

55-GALLON DRUM BASE
UNIMASTER® DUST COLLECTORS

* Based on clean filter.

** UMA 40 uses one 0.75 cu ft bin; UMA 70 uses one or two 0.75 cu ft bins (for 3 cu ft bin, add 9 in to height); UMA 100-250 uses one 3 cu ft bin; and UMA 450-750 uses two 3 cu ft bins. 55-Gallon drum base available on UMA 150-750.
UMA 150-250 uses one drum and UMA 450-750 uses two drums (drums not included).

Above dB(A) sound levels are an average of measurements taken in a normal industrial area. Sound levels were taken in accordance with Reference Standard ISO 3746:1995, Survey Method, Grade 3. Installed sound levels may vary depending upon measurement location, operating conditions, and installations.

UMA WEIGHTED SOUND PRESSURE LEVELS

Above dB(A) sound levels are an average of measurements taken in a normal industrial area. Sound levels were taken in accordance with Reference Standard ISO 3746:1995, Survey Method, Grade 3. Installed sound levels may vary depending upon measurement location, operating conditions, and installations.

*Sound ratings on UMA 40, 70, 100, 150 and 450 are with the largest available fan. UMA 250 sound rating is with 5 HP K7 fan. UMA 750 sound rating is estimated for the 30 hp TBI fan. For specific fan models, contact Donaldson Torit. **Acoustic diffuser (silencer) is standard on UMA 70, 100, 250, 450 and 750.
The Unimaster offers a variety of power packs to better meet your precise needs. The system performance graphs below show available static performance at the collector inlet with clean filters.
# Standard Features & Available Options

## Collector Design
- Std
- Opt

- Integral Fan and Fan Motor
- Integral Shaker Motor
- Acoustic Diffuser Silencer (70-750)
- Acoustic Diffuser Silencer (40)
- Caster Pack
- Weatherhood (weather bend) Roof
- Various Inlet Locations

## Hopper Discharge
- Std
- Opt

- Bin Base with Quick Release Lever
- 55-Gallon (208.2-Liter) Drum Base
- Bin Vent Base

## Electrical Controls, Gauges and Enclosures
- Push-Button Controls
- Solid-State Timer in Type (NEMA /UL) 12 Enclosure
- Motor Starter
- Magnehelic** Gauge

## Safety Features
- Explosion Vents
- Sprinkler Taps

## Warranty
- 10-Year Warranty

## Bag Filters
- 8 oz. (226.8 g) Polyester One-Piece Bag Filters
- Anti-Static Bag Filters
- Variety of Bag Media Options

## Paint System
- Textured Multi-Coat Paint Finish with 2,000-Hour Salt Spray Performance
- Custom Color

## Proven Performance on Hundreds of Applications

- *All 60 Hz motors 1 HP and above are compliant with EISA.
- **Magnehelic is a registered trademark of Dwyer Instruments, Inc.
Industry-Leading Technology
• Advanced filtration technology for optimal performance
• Reduced energy consumption and cost of ownership
• Advanced design and testing capabilities

The Most Filters and Parts
• For every brand and style of collector
• Wide range of filtration media for any application
• 90,000 filters and parts in stock and ready to ship

Unparalleled Support
• Live technical specialists
• Comprehensive pre- and post-sale support
• 40 manufacturing plants and 14 distribution centers worldwide

Significantly improve the performance of your collector with genuine Donaldson Torit replacement filters and parts. Call Donaldson Torit at 800-365-1331.

Important Notice
Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user’s knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user’s application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.