

**Donaldson**  
**Torit®**

**DOWNFLO® AMBIENT  
TOWER WELD FUME  
EXTRACTOR**

**INTELLIGENT  
DESIGN**

**DUCTLESS  
INSTALLATION**

**ULTRA-WEB®  
FILTER MEDIA**



# CHALLENGING ENVIRONMENTS CALL FOR UNIQUE SOLUTIONS

Today's metal fabrication operations need innovative solutions to help keep up with new applications and increasing production demands. To accommodate new opportunities, you need welding equipment and supporting tools that are flexible enough for changing layouts and workflows.



The Donaldson® Torit® Downflo® Ambient (DFA) tower weld fume extractor is a powerful ambient collector developed specifically to help address certain challenges in your welding operation. The collector's ductless installation is helpful for facilities challenged by overhead space limitations or frequent layout changes.

The DFA is designed to collect fumes from the welding field as they rise. The collector then returns filtered air near floor-level to assist with air circulation. Multiple extractors can be placed throughout the manufacturing area to account for a wide variety of materials, piece sizes, and various weld locations requiring a different set-up.



# APPLICATIONS & INDUSTRIES



**General Fabrication**



**Automotive**



**Heavy Machinery**



**Welding Schools**

## WE KNOW FILTRATION

Donaldson is a global provider of filtration solutions for manufacturing industries. Our advanced technology, extensive portfolio of filtration products, and unrivaled customer support help manufacturers meet their clean air needs and reduce long-term costs of operation. Our experience with worldwide installations makes us uniquely qualified to work with you providing solutions that support metal fabrication operations.

# POWERFUL PERFORMANCE IN A PRACTICAL PACKAGE

## EASY INSTALLATION

Prewired and integrated control panel control panel. No ductwork or hoods required.

## 24/7 CONTINUOUS DUTY

Reliable operation when manufacturing is in process.

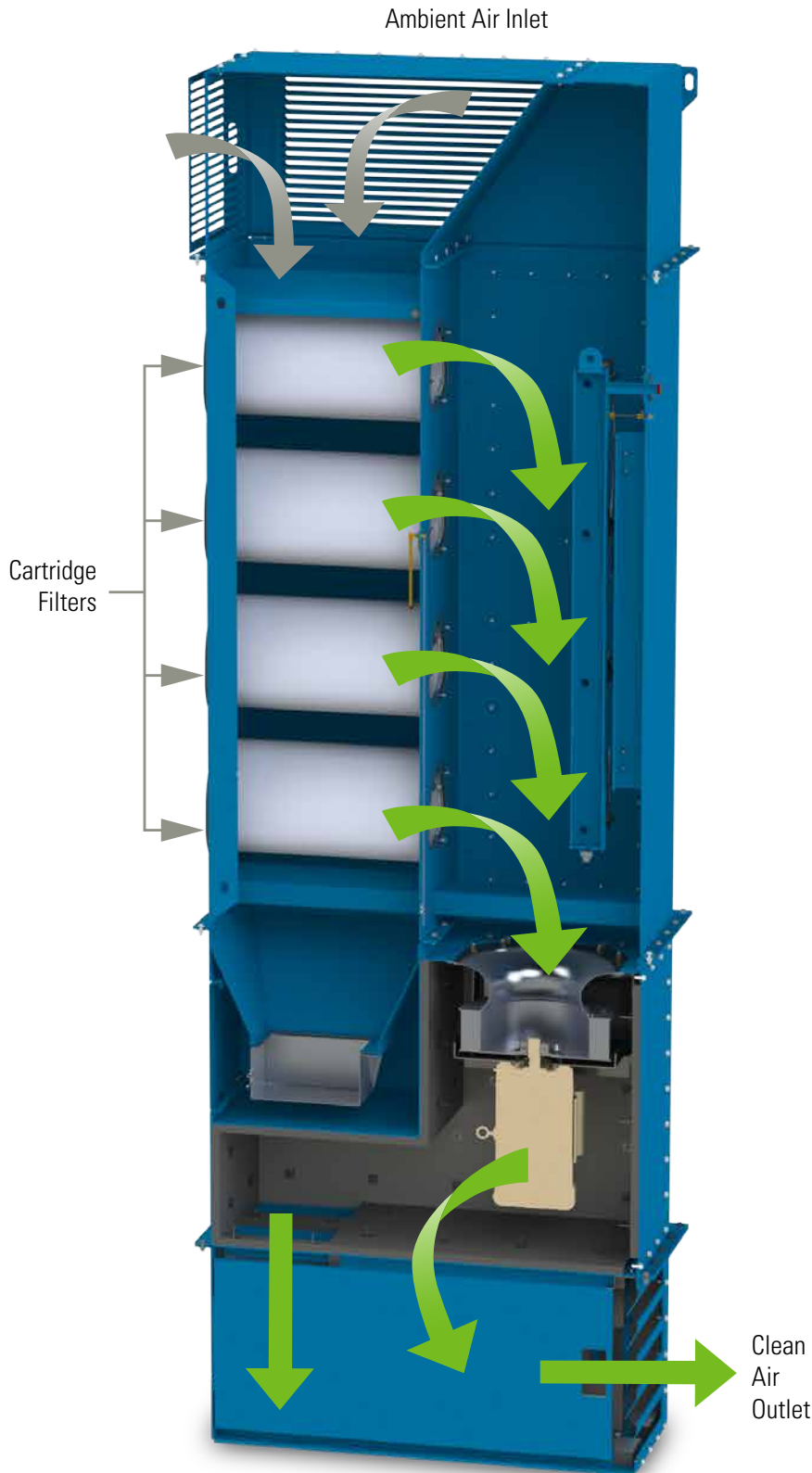
## SUPPORTS NATURAL CIRCULATION PATTERN

Efficiently collects weld fumes as they rise toward the ceiling.

## ENERGY EFFICIENT

Superior pulse cleaning reduces compressed air consumption.



**EASY MAINTENANCE**

Tool-free hinged access doors allow for quick filter changeouts.

**INTEGRATED CONTROLS**

Intuitive display provides clear machine management.

**EFFICIENT USE OF SPACE**

Footprint allows for flexibility on the production floor.

**CONVENIENT DUST DRAWER**

Easy-to-handle receptacle makes removal uncomplicated.



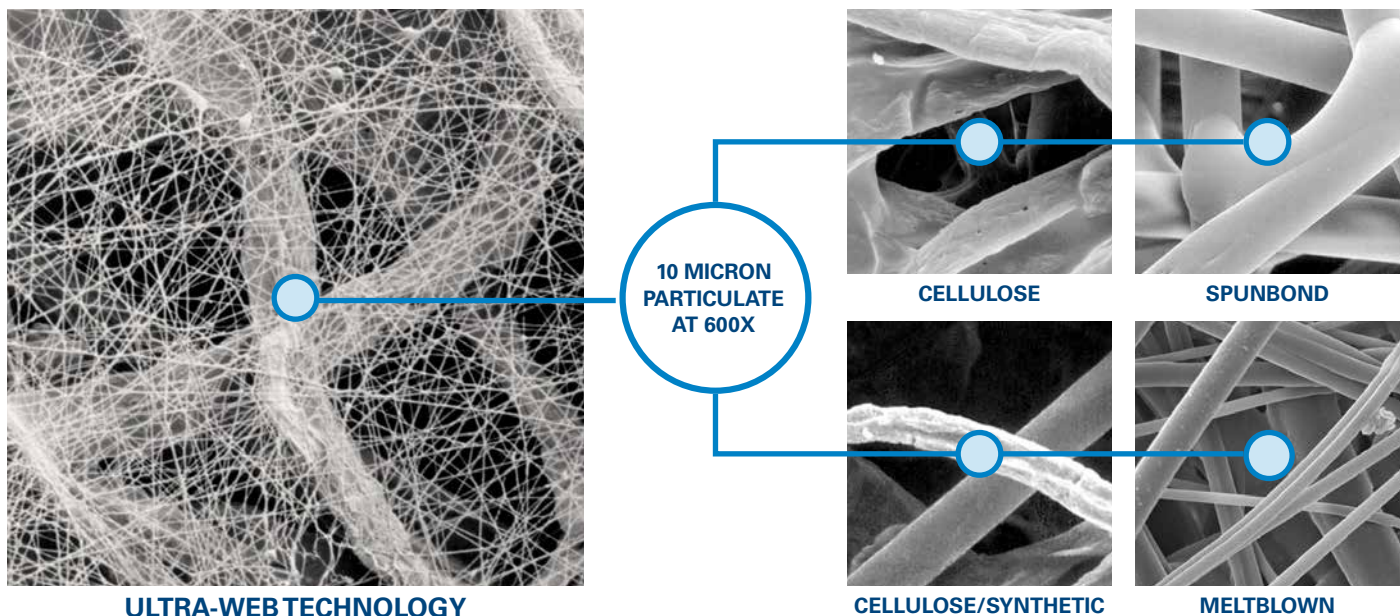
# OPERATION CONDITIONS

The Downflo Ambient tower weld fume extractor represents a simple solution to a challenging problem: effective weld fume extraction without duct work or hoods. The DFA gives you the ability to reorganize your weld stations or work areas without moving your weld fume extraction equipment.

DFA-8 MODEL	
Airflow Clean Filters [0.5" (13 mm) wg]	7,000 CFM (11,893 M <sup>3</sup> /Hr)
Airflow Dirty Filters [5.0" (127 mm) wg]	6,100 CFM (10,364 M <sup>3</sup> /Hr)
Fan Horsepower	15 HP
Fan Horsepower Voltage Options	208V, 230V, 460V, 575V
Control Panel Voltage Options	208V, 230V, 460V, 575V
Solenoid Voltage	110 VAC 60 HZ
Housing Construction	10 Gauge (Primary Construction)
Housing Rating	-13" (-330 mm) of H <sub>2</sub> O
Seismic Spectral Acceleration	S/S=1.5 & S/1=0.6 Site Class D
Maximum Operating Temperature	120° F (49° C)
Compressed Air Required	9.75 SCFM @ 60 PSIG (16.5 M <sup>3</sup> /Hr @ 4.1 Bar)
Number of Valves	8

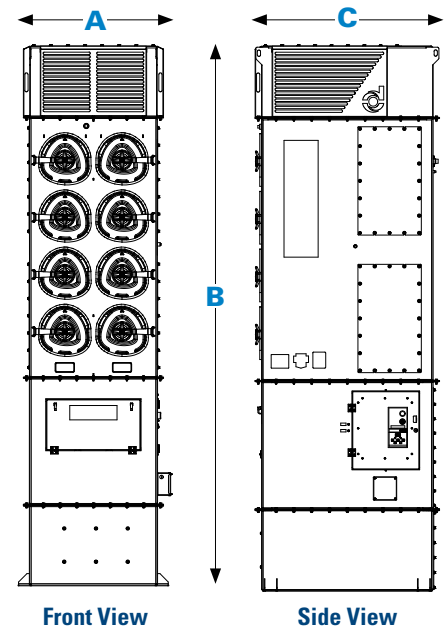
## ULTRA-WEB® PERFORMANCE MEDIA

Proven and proprietary Ultra-Web® media technology delivers long filter life, clean air and cost savings over the life of your collector. Made with an electrospinning process that produces a very fine, continuous, resilient fiber of 0.2-0.3 micron in diameter, Ultra-Web forms a permanent fine fiber web with very fine interfiber spaces that trap dust on the surface of the media.



# DIMENSIONS & SPECIFICATIONS

DFA-8 MODEL					
Number of Elements		8			
Filter Media (ft²)		2,032 ft² (189 m²)			
Number of Valves		8			
Dimensions					
A		B		C	
in	mm	in	mm	in	mm
48.1	1220.7	169.9	4314.2	61.4	1559.6



## STANDARD FEATURES & AVAILABLE OPTIONS

COLLECTOR DESIGN	STD	OPT
Mild Steel Construction	X	
Integral Power Pack	X	
Integral Inlet	X	
Sprinkler Taps	X	
Hinged Access Covers	X	
Integral Exhaust Silencer	X	
5 Gallon Dust Drawer	X	
Solid Panel Outlet Covers		X
Sprinkler Heads		X
CARTRIDGE FILTERS		
UWFR	X	
Other Media Options		X

PAINT SYSTEM	STD	OPT
Textured Multi-Coat Paint Finish with 2,000 Hour Salt Spray Performance	X	
Custom Color		X
Premium Duty		X
ELECTRICAL CONTROLS		
Standard Panel with Delta P Controller	X	
Enhanced Panel with High Temperature Sensor and Alarm		X
WARRANTY		
10-Year Warranty	X	



[shop.donaldson.com](http://shop.donaldson.com)

P034303-016-436

## Ultra-Web® filters

are one of over 100,000 replacement filters and parts Donaldson has in-stock and ready to ship today.

Not tomorrow.

Today.

**Find these filters and thousands more at [Shop.Donaldson.com](http://Shop.Donaldson.com)**

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.



Donaldson.

**Donaldson Company, Inc.**  
Minneapolis, MN  
[donaldson.com](http://donaldson.com) • [shop.donaldson.com](http://shop.donaldson.com)

**North America**  
Email: [donaldsonna@donaldson.com](mailto:donaldsonna@donaldson.com)  
Phone: (USA): +1-800-365-1331 • (MX): +1-800-343-36-39

**Australasia**  
Email: [marketing.australia@donaldson.com](mailto:marketing.australia@donaldson.com)  
Phone: +61-2-4350-2000  
Toll Free: (AU) +1800-345-837 • (NZ) +0800-743-387

F118181 ENG (12/22) Downflo Ambient Tower Weld Fume Extractor ©2022 Donaldson Company, Inc.  
Donaldson, Torit, Downflo, Ultra-Web, and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.

**China**  
Email: [info.cn@donaldson.com](mailto:info.cn@donaldson.com)  
Phone: +86-400-820-1038

**Donaldson Europe B.V.B.A.**  
Email: [IAF-europe@donaldson.com](mailto:IAF-europe@donaldson.com)  
Phone: +32-16-38-3811

**India**  
Email: [info.difs@donaldson.com](mailto:info.difs@donaldson.com)  
Phone: +91-124-4807-400 • +18001035018

**Japan**  
Email: [jp-ndi.ifsweb@donaldson.com](mailto:jp-ndi.ifsweb@donaldson.com)  
Phone: +81-42-540-4112

**Korea**  
Email: [iaf-kr@donaldson.com](mailto:iaf-kr@donaldson.com)  
Phone: +82-2-517-3333

**Latinoamerica**  
Email: [IndustrialAir@donaldson.com](mailto:IndustrialAir@donaldson.com)  
Phone: +52-449-300-2442

**South Africa**  
Email: [SAMarketing@donaldson.com](mailto:SAMarketing@donaldson.com)  
Phone: +27-11-997-6000

**Southeast Asia**  
Email: [IAFSEA@donaldson.com](mailto:IAFSEA@donaldson.com)  
Phone: +65-6311-7373