



## Custom Booths



The most efficient wet dust collectors on the market, the Uni-Wash series of wet dust collectors are capable of collecting dust down to 3 micron in size consuming only 3" wg. static pressure

Wet type dust collection is required for the safe collection of combustible metal dust. Wet Type Dust Collection has also been used effectively in many other difficult applications in place of cartridge collectors. ProVent's unique scrub design has been an industry standard for over 40 years and continues to lead the industry in Wet Type Dust Collection efficiency.

### Standard Features

- **Multiple Collectors Can Be Used for Large Booth Sizes**
- **Integral High Efficiency Fan Assemblies**
  - AMCA Rated, Integral Direct Drive Fan Assemblies with Keyless Concentric Bushings
- **Photohelic Gauge**
  - Measures differential pressure across the scrub to monitor airflow and water level.
- **Stainless Steel Scrub Components**
  - Superior construction where it is needed the most.
- **2-Part Epoxy Internal Tank Coating**
  - AmeriLock-2 by Ameron provides exceptional corrosion protection in harsh industrial and marine corrosive environments.
- **Urethane Mastic External Coating**
  - Durethane DTM by PPG chemically resistant and extremely durable. Provides excellent corrosion resistance and has superior color and gloss retention.
- **99% Efficient utilizing only 3" wg**
  - The most efficient wet dust collector available which has become an industry standard over the past 40 years.

### COMBUSTIBLE METALS

**ProVent's line of Uni-Wash Wet Type Downdraft Bench Dust Collectors meets or exceeds NFPA #484 for combustible metals including:**

- Aluminum Dust
- Titanium Dust
- Magnesium Dust
- Zirconium Dust
- Tantalum Dust



### BEYOND COMBUSTIBLE METALS

#### FOOD PROCESSING

ProVent has provided the food industry and others with 100% 304 Stainless Steel Wet Type Dust Collectors for the collection of a variety of airborne contaminants. If you think your application might benefit from the best designed, most efficient wet type dust collector on the market, look to ProVent and water filtration.

#### PHARMACEUTICAL

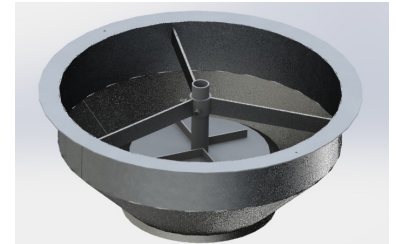
Utilizing water as a filtration device for pharmaceutical and biochemical dusts has its benefits. Beyond the cost savings of not having to replace filter cartridges, employee exposure to potentially hazardous dust during this maintenance operation is relieved.



# Uni-Wash—The Industry’s Leading Scrub Technology

The Uni-Wash scrub technology has been continually manufactured for over 40 years. This tried and true orifice / impingement technology offers many benefits unmatched by other manufactures of wet type dust collection. Utilizing airflow to produce the scrub means that there are no pumps or nozzles to clog. Additionally, this makes our wet type dust collectors more energy efficient than other designs.

The stainless steel components of the Uni-Wash scrub are designed with a large opening that also will never clog and can be cleaned effectively reducing maintenance costs. The use of the optional Sani-Ball cleaning system reduces maintenance even further.



Efficiencies of up to 99% can be reached due to the incredible turbulence created by the Uni-Wash scrub. In this turbulence, a high rate of particulate to water contact is made increasing the efficiency while consuming a mere 3" wg.

## A WORD ABOUT NFPA 484

NFPA 9.4.12.6.1 “The power supply to the dust-producing equipment shall be interlocked with the airflow from the exhaust blower and the liquid-level controller of the collector so that improper functioning of the dust-collection system will shut down the equipment it serves..”

**ProVent Delivers:** Both water level and motor controls are integrated into a single, custom control panel which includes a transformer and disconnect features.

The NFPA Safety Package option integrates airflow monitoring, audio/visual alarms, a positive vent fan and auxiliary contact into the control panel. The auxiliary contact provides the customer the ability to connect the dust producing equipment to the dust collector per NFPA guidelines

## ABOUT OUR BOOTHS

ProVent manufactures custom booths for a variety of applications and requirements. Booths are provided with the following materials.

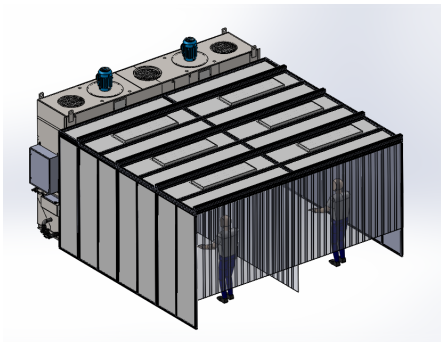
- 16 Gauge galvanized steel modular panels with heavy duty structural steel pillars. Trussing as needed.
- Optional sound insulation can be added to the booth for excessively loud applications.
- Crane slots can be incorporated into the boots to assist in the movement of heavy objects.
- Booth lighting can be added to the ceiling and side panels of the booth to create a safe working environment.

## Popular Options



The NFPA package enables customers to fully comply with NFPA 484 guidelines for combustible metals such as aluminum, titanium, magnesium and others. By strictly adhering to NFPA guidelines, our wet dust collectors provide for shutting down the collector AND the dust producing equipment via control panel interlock on water level and airflow warn-

All ProVent equipment is available in painted or unpainted stainless steel. Popular with the food processing industry, stainless steel provides cleanliness and longevity to the equipment.



Booth sizes and configurations can be custom designed for your application.



The Sani-Ball cleaning system utilizes powerful 316 stainless steel spray nozzles to simplify the cleaning process



Crane slots can be incorporated into the booth

ProVent silencers reduce the noise level produced by the exhausted air.



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Manufactured in Harbor Springs, Michigan



# Specifications

	UEWC-40	UEWC-50	UEWC-60	UEWC-75	UEWC-90	UEWC-100	UEWC-120	UEWC-125	UEWC-150
Air Flow (CFM)	4,000	5,000	6,000	7,500	9,000	10,000	12,000	12,500	15,000
Dry Weight (lbs)	2,800	3,100	3,450	4,300	4,900	5,700	8,000	7,000	8,800
TEFC Motor, HP	5	5	7.5	10	10	15	20	7.5 (x2)	10 (x2)
Motor / Fan RPM	1800								
Primary Voltage	460Volt 3 Phase 60 Hertz								
Fan Size	GPBI-182 95%	GPBI-200 85%	GPBI-200 100%	GPBI-222 85%	GPBI-222 105%	GPBI-245 80%	GPBI-245 110%	GPBI-222 70% (x2)	GPBI-222 85% (x2)
Fan Type	AMCA Rated, Backward Curved, Mild Steel								
Housing Construction	10 Gauge and 3/16", Solid Welded								
Scrub Components	304 Stainless Steel								
Internal Tank Coating	AmerLock-2 by Ameron is a 2-Part Epoxy that provides exceptional corrosion protection in harsh industrial & marine corrosive environments								
External Coating	Durethane DTM by PPG is a direct-to-metal Urethane Mastic coating that is chemically resistant and extremely durable. It provides excellent corrosion resistance and has superior color and gloss retention, excellent adhesion, UV protection								
Motor Controls	NEMA 12 Start/Stop Station with overload protection, Optional Face Mounted Combination Starter Package with Disconnect, Buttons, Lights on units purchased with Electronic, 4-Point Water Level Control. Optional NFPA Package adds Airflow Switch with Auxiliary Contact for connection to dust producing equipment, Horn, Light for NFPA compliance. Variable Frequency Drive available.								
Water Level Control	NEMA 12 Start/Stop Station with overload protection, Optional HMI Option replaces the standard motor controls with a custom NEMA 12 control panel which includes E-stop, disconnect, LCD touchscreen, and variable frequency drive (VFD). It replaces the standard float type water level control valve with an ultrasonic eye and solenoid valve in the supply plumbing for electronic water make-up, and high and low level emergency shutdown. Primary voltage to VFD is 460V/3Ph/60hz. Secondary voltage for internal control components is 24V.								