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**

- **Integral High Efficiency Fan Assemblies**
  - AMCA Backward Curved Mild Steel

- **Photohelic Gauge**
  - Measures differential pressure across the scrub to monitor airflow and water level.

- **7, 10 and 12 Gauge Steel Construction**
  - Solid welded heavy steel for superior strength and longevity.

- **304 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 with 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 contaminates. 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.

sales@proventilation.com  P. 800-610-6010
Manufactured in Harbor Springs, Michigan
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 requiring lower horsepower than other designs.

The stainless steel components of the Uni-Wash scrub are designed with a large opening that 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.

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Manufactured in Harbor Springs, Michigan
Popular Options

**Uni-Wash HMI**

Includes touchscreen interface w/ graphics, ultrasonic water-level control, variable frequency drive, 24v components, E-Stop, safely shuts down on low / high water, upgraded paint color and decals.

**Uni-Wash PRO—NFPA Compliant**

Includes everything in the Uni-Wash HMI plus NFPA compliance features. NFPA compliant alarms, shutdown on low airflow, all necessary temperature inputs as required for NFPA compliance, auxiliary relay to shut down dust emitting equipment when dust collector shuts down.

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

The Sani-Ball cleaning system uses powerful 316 stainless steel spray nozzles to simplify and improve the cleaning process.

Automatic sludge conveyance continually removes sludge buildup from the bottom of the water tank. An excellent option when heavy dust loading is present.

ProVent Silencers reduce the noise level produced by the exhausted air. ProVent manufactures silencers that are perfectly matched to the collectors they serve.

sales@proventilation.com P. 800-610-6010

Manufactured in Harbor Springs, Michigan
**Specifications**

<table>
<thead>
<tr>
<th></th>
<th>UC-40</th>
<th>UC-50</th>
<th>UC-60</th>
<th>UC-75</th>
<th>UC-100</th>
<th>UC-125</th>
<th>UC-150</th>
<th>UC-200</th>
<th>UC-250</th>
<th>UC-300</th>
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<tbody>
<tr>
<td><strong>Air Flow (CFM)</strong></td>
<td>4,000</td>
<td>5,000</td>
<td>6,000</td>
<td>7,500</td>
<td>10,000</td>
<td>12,500</td>
<td>15,000</td>
<td>20,000</td>
<td>25,000</td>
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<tr>
<td><strong>Ext. SP (in. Wg)</strong></td>
<td>7</td>
<td>7</td>
<td>8</td>
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<tr>
<td><strong>Motor / Fan RPM</strong></td>
<td>3450</td>
<td>3450</td>
<td>3450</td>
<td>3450</td>
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<tr>
<td><strong>TEFC Motor, HP</strong></td>
<td>15</td>
<td>15</td>
<td>20</td>
<td>25</td>
<td>40</td>
<td>(2) 20</td>
<td>(2) 25</td>
<td>(2) 40</td>
<td>(4) 20</td>
<td>(4) 25</td>
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<tr>
<td><strong>Drive Config</strong></td>
<td>Direct</td>
<td>Direct</td>
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<tr>
<td><strong>Primary Voltage</strong></td>
<td>460 Volt 3 Phase 60 Hertz</td>
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<tr>
<td><strong>Full Load Amps</strong></td>
<td>21</td>
<td>21</td>
<td>27</td>
<td>34</td>
<td>52</td>
<td>(2) 27</td>
<td>(2) 34</td>
<td>(2) 52</td>
<td>(4) 27</td>
<td>(4) 34</td>
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<tr>
<td><strong>Dry Weight (lbs)</strong></td>
<td>3,100</td>
<td>3,500</td>
<td>3,900</td>
<td>4,300</td>
<td>4,800</td>
<td>5,400</td>
<td>10,000</td>
<td>12,500</td>
<td>16,000</td>
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<tr>
<td><strong>Tank Capacity (US GAL)</strong></td>
<td>260</td>
<td>289</td>
<td>330</td>
<td>428</td>
<td>577</td>
<td>713</td>
<td>683</td>
<td>853</td>
<td>1,066</td>
<td>1,310</td>
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<tr>
<td><strong>Fresh Water Connection</strong></td>
<td>3/4&quot; NPT, Female</td>
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<tr>
<td><strong>Drain Connection</strong></td>
<td>1 1/4&quot; NPT, Female</td>
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<tr>
<td><strong>Integral Fans</strong></td>
<td>AMCA Rated, Backward Curved, Single Width, Mild Steel</td>
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<tr>
<td><strong>Housing Construction</strong></td>
<td>7, 10 and 12 gauge, 3/16&quot; and 1/4&quot; plate, Solid Welded</td>
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<tr>
<td><strong>Scrub Components</strong></td>
<td>304 Stainless Steel, Scrub Cone, Target Plate, Adjustable Riser, Spider Support Assembly</td>
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<td><strong>Internal Tank Coating</strong></td>
<td>AmerLock-2 by Ameron is a 2-Part Epoxy that provides exceptional corrosion protection in harsh industrial &amp; marine corrosive environments</td>
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<tr>
<td><strong>External Coating</strong></td>
<td>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</td>
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<td><strong>Water Level Control</strong></td>
<td>Low Maintenance mechanical float type with auto shutdown</td>
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<td><strong>Motor Controls</strong></td>
<td>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.</td>
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<td></td>
<td>Face Mounted Combo Starter Package Standard</td>
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