



Wet Dust Collectors

THE MOST
TRUSTED,
EFFICIENT,
AND RELIABLE



Unique Scrub Technology Never Clogs
Stainless Steel Scrub Components
Solid Welded Construction
Optional Full NFPA 484 Compliance



INDUSTRY LEADING
Combustible Dust Technology





**Orifice / Impingement Patented
Scrub Never Clogs**

Stainless Steel Scrub Components

**Integral High Efficiency Fan
Assemblies**

Solid Welded Construction

No Filters to Replace

Various Power Options Available

The Uni-Wash Scrub is the technology behind the most efficient wet dust collectors on the market. The Uni-Wash series of dust collectors are capable of collecting dust down to 3 micron in size utilizing only 3" wg.



Advantages of the Uni-Wash Scrub

The unique Uni-Wash “orifice / impingement”scrub occurs above the water line which means it doesn’t clog or lose airflow as with nearly all other “internal venturi” methods. *Technology that has stood the test of time for over 50 years!*

NFPA 484 - Standards for the Collection of Combustible Metals

The NFPA 484 standard applies to the production, processing, finishing, handling, recycling, storage, and use of all metals and alloys that are in a form that is capable of combustion or explosion, as well as, operations where metal or metal alloys are subjected to processing or finishing operations that produce combustible powder or dust.

What must my wet dust collector do to be NFPA 484 complaint?

- ✓ Shut down the dust collector if low or high water is detected
- ✓ Shut down the dust collector if airflow is restricted / unrestricted
- ✓ Provide an interlock from the dust collector to the dust producing equipment to shut down the dust producing equipment if the dust collector shuts down
- ✓ Provide an exhaust fan to eliminate the potential build up of hydrogen within the dust collector when not in use and passive venting is not available
- ✓ Provide an audible and visual alarm on equipment shutdown.

Uni-Wash wet dust collectors are fully complaint with the NFPA 484 standard when purchased with the Uni-Wash PRO package.



OPTIONAL CONTROL PACKAGES

HMI Control Package

- Variable Frequency Drive (VFD)
- LCD Touchscreen
- Ultrasonic Water Level Control
- NEMA 12 Control Panel
- E-Stop
- Disconnect
- Solenoid Valve for Automatic Make-Up Water
- High / Low Water Shut-Down
- Low Voltage 24v Components



HMI - PRO Package (NFPA)

Adds the Following to the HMI Control Package

- **FULLY** conforms to NFPA 484 Guidelines for the Safe Collection of Combustible Dust
- Initiates Audio & Visual Alarms and Shuts Down Collector for the following:
 - High / Low Water Level
 - Inadequate Airflow
 - High Motor Temperature
 - High After-Filter Temperature or Pressure (if equipped)
- Provides for an interlock between the dust collector and the dust producing equipment to shut down the dust producing equipment if the dust collector shuts down

Optional Controls

- Remote Start / Stop
- Power Drain Controls (UC-5 - UC-30)
- Sludge Conveyor (On / Off / Auto)



DOWN DRAFT BENCHES



Uni-Wash DDB Wet Bench maintains excellent air velocities at the deck. Customizable options include side and ceiling panels, dual-side work stations, various lighting options, deck materials, crane slot, foot and arm rests, and NFPA safety package. These options allow for a bench that works seamlessly with your application.



Custom designs for unique applications

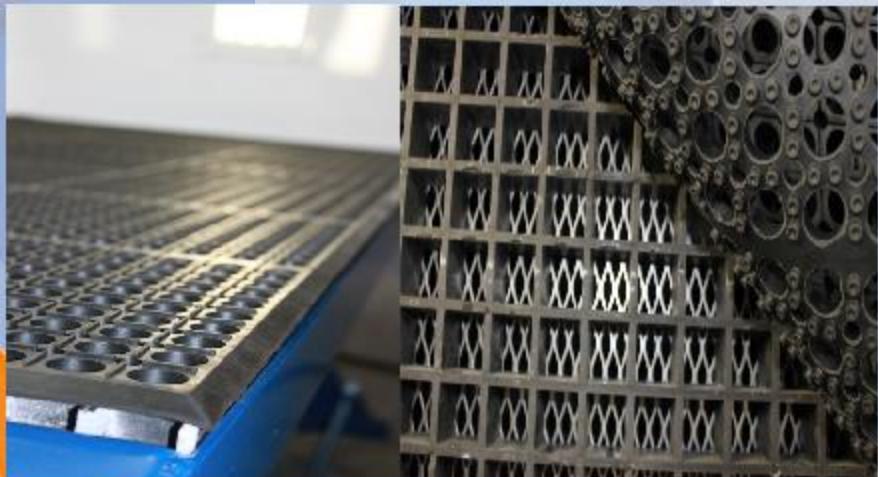


Dual Side benches increase productivity and save space.



Quad station DDB-60

Choice of high quality deck materials.
Shown with optional rubber mat and tool Screen.





DUCTED APPLICATIONS



(500 CFM - 3,000 CFM)

Uni-Wash UC Ducted Wet Dust Collector

operates with approximately 1/2 the energy of competitive wet dust collectors while maintaining the highest efficiency. With standard external static pressures of 4" - 8" wg, sufficient velocities in the duct work can be maintained.



(4,000 CFM - 30,000 CFM)

Optional Hopper for quick draining of the dust collector. Popular with the food processing industry and process that are water soluble.





BOOTH CONTAINMENT SYSTEMS

Solid Galvanized Steel Booth Construction

Custom Configurations Available

Flush LED Light Panels

Multiple Collector Configurations for Large Applications

Optional Sound Insulation

Optional Crane Slots

