



FLAMMABLE DUST COLLECTION

For **SAFE CAPTURE AND COLLECTION**
of flammable or explosive dusts:

Aluminum, Magnesium, Titanium, and similar metals and materials

HydroAIR™ Wet Collectors represent
"state-of-the-art" design in this field.

Completely manufactured in the Chicago, IL
area using all U.S.-made components. Every
effort has been made in design and
manufacturing to supply the finest equipment
available.

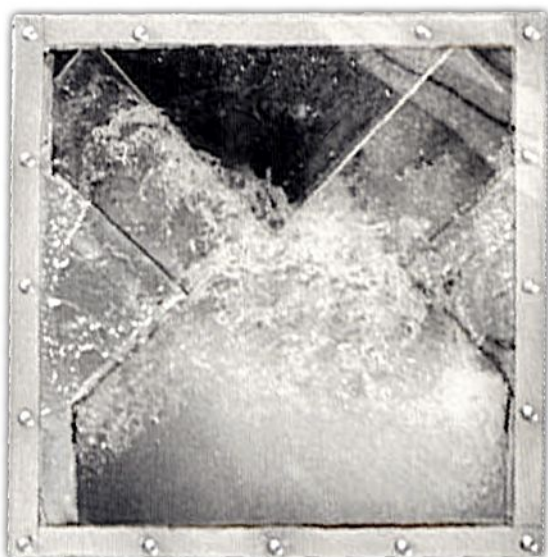
HydroAIR™ equipment has been purchased by
nearly every branch of the U.S. Armed Services
(Army, Navy, Air Force) and most of the major
aerospace and aircraft producers in the U.S.
including Boeing, Sikorsky, Lockheed and Bell
Helicopter. NASA and other government
branches are satisfied users of HydroAIR™.

Features are: Application-specific blower
selection for maximum air volumes and static
pressures, quiet operation using 1750 rpm
motors, removable and cleanable Mist
Eliminators, electronic probe or photohelic
water level control.



**Above: Double-Sided unit rated at 10,000 CFM showing
Auto Water Level Control (Elec Probe Design) and
Magnetic Starter Panel Unit can be ordered in 15-25 hp.**

"Simple, Safe, Efficient, Economical"
(meets NFPA requirements)



High Energy Impeller Design



Phone: 888-307-9400
www.schubert-env.com

"Better Air Means"
SCHUBERT
ENVIRONMENTAL EQUIPMENT, INC.
Air Pollution Control Equipment & Sheet Metal Fabrication

Fax: 630-307-9474
info@schubert-env.com

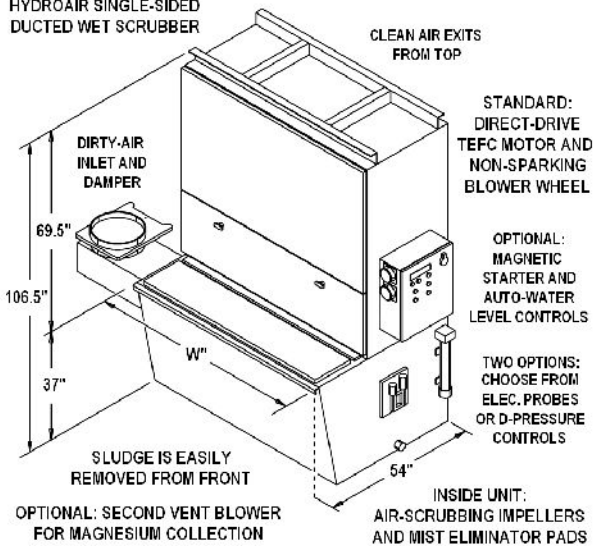


Above: A 16,000 CFM 8" external static pressure Wet Dust Collector Scrubber

Below illustrates the simple and unique "WET" Mist Eliminator Filter Media that provides final Mist Control and Filtration.

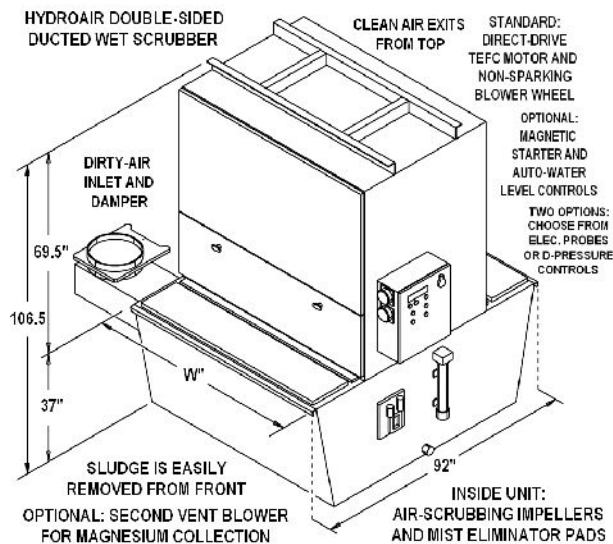


HYDROAIR SINGLE-SIDED DUCTED WET SCRUBBER



| MODEL | WIDTH W" | CFM | INLET DIA. |
|--------|----------|--------|------------|
| DBS-4 | 48" | 4,000 | 12" |
| DBS-5 | 60" | 5,000 | 14" |
| DBS-6 | 72" | 6,000 | 16" |
| DBS-8 | 96" | 8,000 | (2) - 12" |
| DBS-10 | 120" | 10,000 | (2) - 14" |

HYDROAIR DOUBLE-SIDED DUCTED WET SCRUBBER



| MODEL | WIDTH W" | CFM | INLET DIA. |
|---------|----------|--------|------------|
| DBS2-4 | 48" | 8,000 | (2) - 12" |
| DBS2-5 | 60" | 10,000 | (2) - 14" |
| DBS2-6 | 72" | 12,000 | (2) - 16" |
| DBS2-8 | 96" | 16,000 | (2) - 18" |
| DBS2-10 | 120" | 20,000 | (2) - 20" |

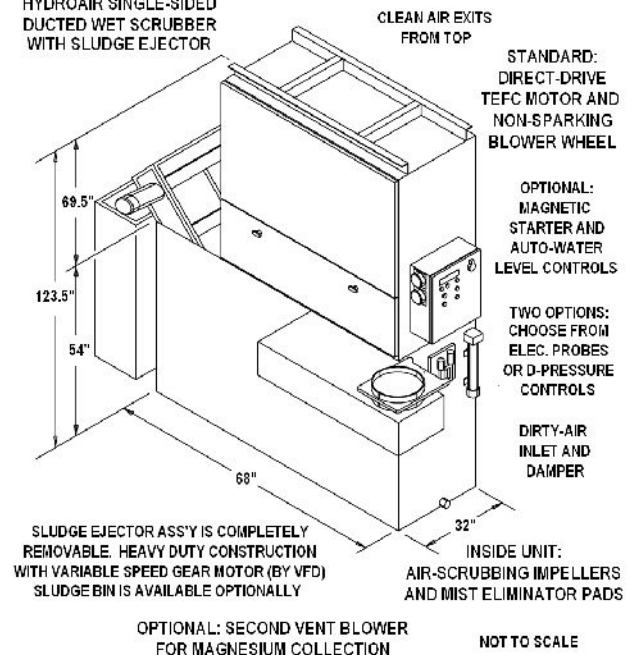
DRAG CHAIN SLUDGE EJECTOR OPTION

For those high loading dust application, HydroAIR now offers the latest design in sludge clean out from the bottom of the tub section.

- 1) VFD-controlled for variable paddle speeds.
- 2) Paddle Scraper for maximum sludge handling.
- 3) Lexan-protected viewing port.
- 4) One-piece gear reducer/motor chain drive.
- 5) Heavy chain and paddle design for long life.
- 6) In Units up to 6' (#6), the entire drag chain assemble is a one-piece cassette for easy removal and maintenance.



HYDROAIR SINGLE-SIDED
DUCTED WET SCRUBBER
WITH SLUDGE EJECTOR



| MODEL | WIDTH W" | CFM | INLET DIA. |
|-------|----------|-------|------------|
| DBS-4 | 48" | 4,000 | 12" |

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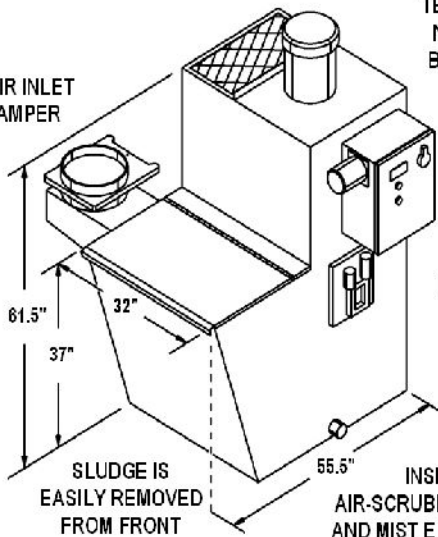
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HYDROAIR SINGLE-SIDED
DUCTED WET SCRUBBER

CLEAN AIR EXITS
FROM TOP

STANDARD:
DIRECT-DRIVE
TEFC MOTOR AND
NON-SPARKING
BLOWER WHEEL

DIRTY-AIR INLET
AND DAMPER



OPTIONAL:
MAGNETIC
STARTER AND
AUTO-WATER
LEVEL CONTROLS
USING
D-PRESSURE
SYSTEM

INSIDE UNIT:
AIR-SCRUBBING IMPELLERS
AND MIST ELIMINATOR PADS

| MODEL | WIDTH W" | CFM |
|-------|----------|-------------|
| DBS-3 | 32" | 1,000-2,000 |



Above: HydroAIR Table Unit equipped with "Magnesium 24-7 Powered Off-line" ventilation

Features:

- 1) Blowers custom designed and selected to match all customer requested CFM and negative pressure requirements.
- 2) Quiet operation with all but the 3' Collectors using 1750 rpm BI wheel blowers.
- 3) Removable, Cleanable Mist Eliminators with pyramid design for triple the square footage of most other units.
- 4) Electronic Probe Water Level Control or the new Photohelic Design Option.
- 5) Full NFPA 484 Compliance Design with auto shut-off if irregularity should occur with blower or water level. OPTIONAL: Magnesium Dust Powered off-line ventilation.

Specifications:

Available in 304SS Stainless Steel and Galvanized Steel Construction

- 1) Construction to be of 12 gauge for all metal surfaces that are in contact with water and 14 gauge for balance.
- 2) Motor and Blower to be of Plug Fan design, direct drive, TEFC motor, backward inclined wheel design of steel or aluminum construction. Non sparking.
- 3) Internal impellers to have at least a double (twice) water reversal design and have a minimum of 3-4" W.C. of static pressure loss in their design.
- 4) Sludge Collection Tub to be angled and have clear access for removal of sludge.
- 5) Following impellers shall be an after-filter/ mist eliminator combination constructed of wetted polyester. This shall include a rigid metal support frame.
- 6) Blower outlet chamber shall be lined with minimum of 1" acoustical foam.
- 7) Electronic Probe or Photohelic Auto Water Level Control
- 8) Full NFPA 484 Compliance