



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

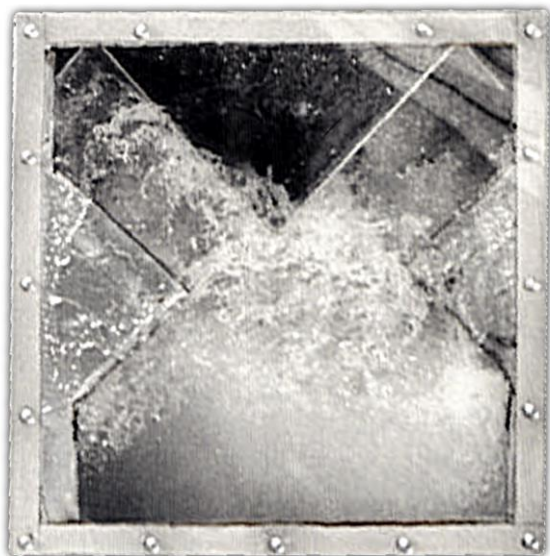
HydroAIR equipment has been purchased by nearly every branch of the U.S. Armed Services (Army, Navy, AirForce) and most of the major aerospace and aircraft producers in the U.S. including Boeing, Sikorsky, Lockheed and Bell Helicopter. NASA and other government branches are satisfied users of HydroAIR.

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



Above: Stainless 60 hp. HydroAIR, Double-Sided unit rated at 16,000 CFM at 12" External with all options and Turnkey Installation

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



High Energy Impeller Design



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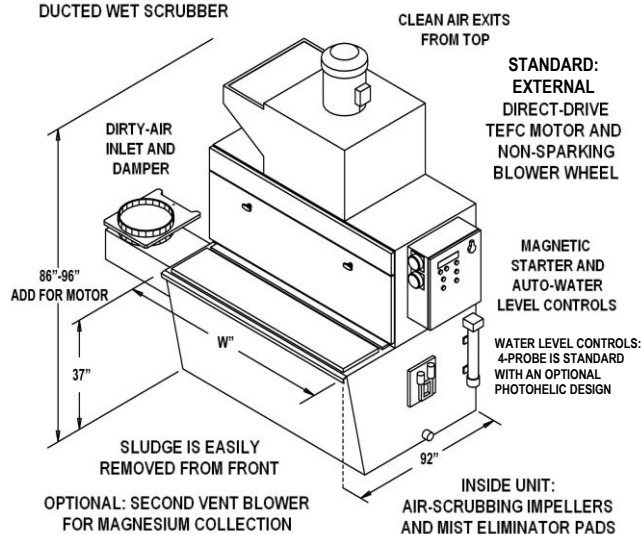
Above: A 16,000 CFM 8" external static pressure Wet Dust Collector Scrubber

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



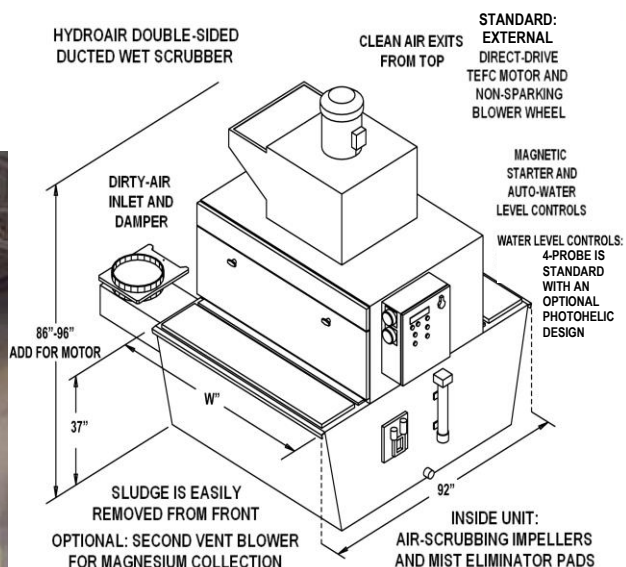
Large Polisher with pair of 12,000 cfm Stainless Collectors. Full Turnkey Installation

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"

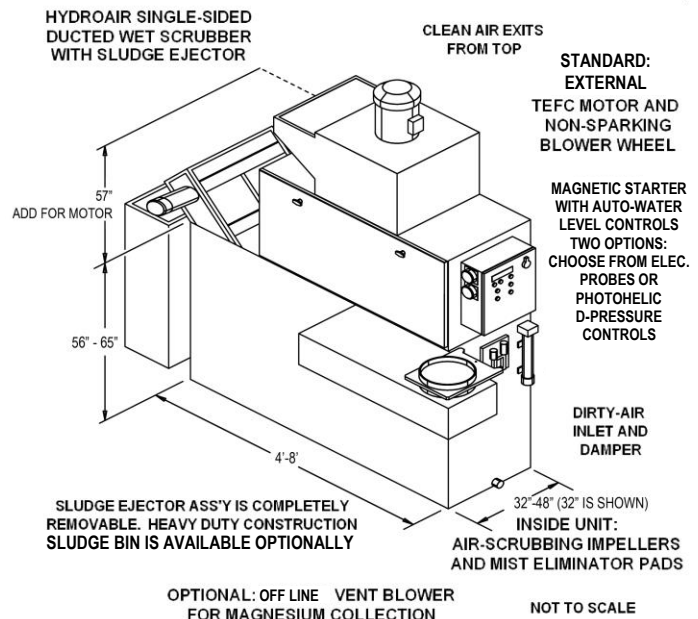
DRAG CHAIN SLUDGE EJECTOR OPTION

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

- 1) Paddle Scraper for maximum sludge handling.
- 2) Lexan protected viewing port options shown.
- 3) One piece gear reducer/motor chain drive.
- 4) Heavy chain and paddle design for long life.
- 5) The entire drag chain assembly is a one piece easily removable cassette for easy removal and maintenance.



OPTIONAL Lexan Covers over Sludge Ejector top.



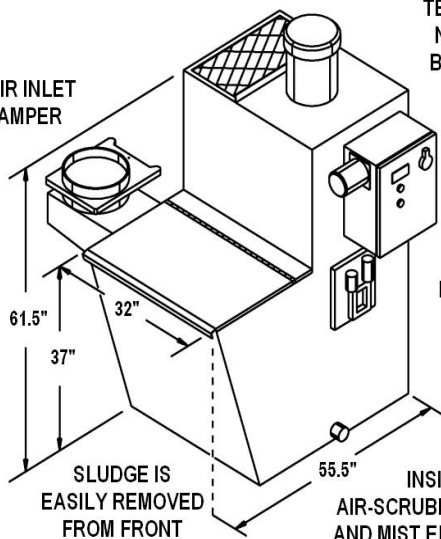
MODEL	WIDTH W"	CFM	INLET DIA.
DBS-4	48"	4,000	12"

HYDROAIR SINGLE-SIDED
DUCTED WET SCRUBBER

CLEAN AIR EXITS
FROM TOP

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

DIRTY-AIR INLET
AND DAMPER



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

INSIDE UNIT:
AIR-SCRUBBING IMPELLERS
AND MIST ELIMINATOR PADS

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



Above: Stainless DBS-4 Unit at a major
armament manufacturer

Features:

- 1) Blowers custom designed and selected to match all customer requested CFM and negative pressure requirements.
- 2) Removable, Cleanable Mist Eliminators.
- 3) New steel Centrifugal self-cleaning Mist Eliminators now available.
- 4) Electronic Probe Water Level Control or the new Photohelic Design Option.
- 5) Full NFPA 484 Compliance Design with auto shut off if blower or water level irregularity AND 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