

FLAMMABLE DUST COLLECTION

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

Aluminum, Magnesium, Titanium, and similar metals and materials

HydroAIR Tables and Booths 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, 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: Highest Air Volumes available,
quiet operation using 1750 rpm motors,
removable and cleanable Mist Eliminators,
electronic probe or photohelic water level control.



**Above: Double-Sided 6' Table for GE (Stainless Steel)
showing standard "Sit Under" design and
Optional Pin-Hinged Removable sides
Full Electronic Probe Auto Water Level Control**

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



Above: High Energy Impeller Design



**Above: Bank of tables in full production on deburring of aluminum
transmission housings. Shown with optional canopy/strip sides.**

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

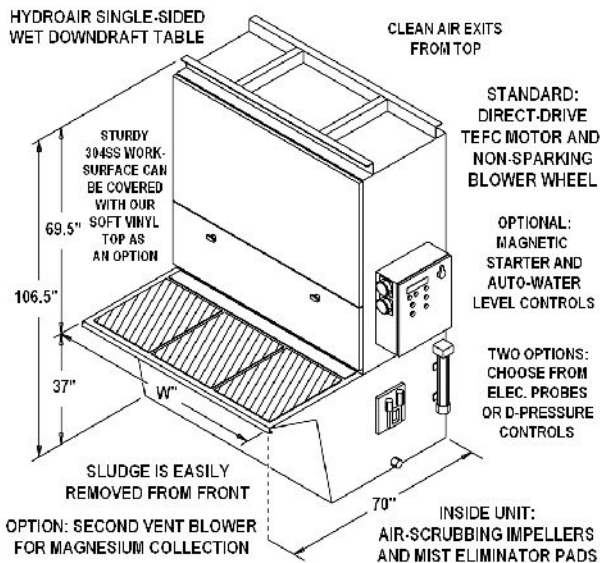
"Better Air Means"
SCHUBERT
ENVIRONMENTAL EQUIPMENT, INC.
Air Pollution Control Equipment & Sheet Metal Fabrication

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

HydroAIR™

ReplaceAIR™ Wet Downdraft Water Tables

HYDROAIR SINGLE-SIDED WET DOWNDRAFT TABLE

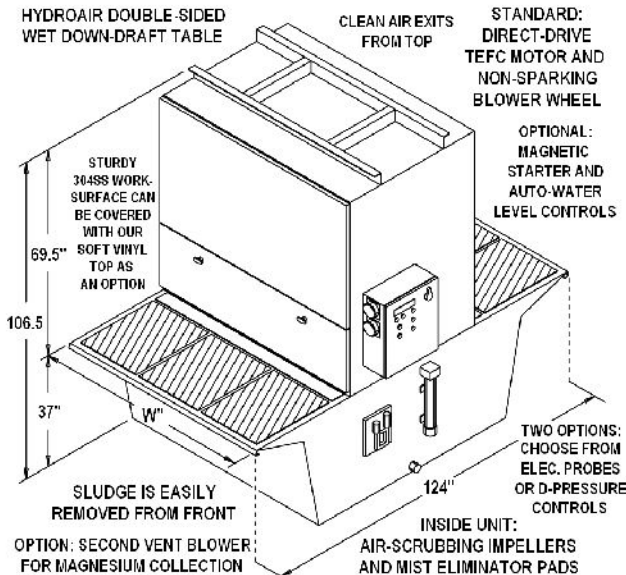


MODEL	WIDTH W"	CFM
DB-4	48"	4,000
DB-5	60"	5,000
DB-6	72"	6,000
DB-8	96"	8,000
DB-10	120"	10,000



"Wetted" Mist Eliminators for easy maintenance.

HYDROAIR DOUBLE-SIDED WET DOWN-DRAFT TABLE



MODEL	WIDTH W"	CFM
DB2-4	48"	8,000
DB2-5	60"	10,000
DB2-6	72"	12,000
DB2-8	96"	16,000
DB2-10	120"	20,000

Below: Double Wet Table with Optional Vinyl Strip Curtain Sides and RegainAIR Overhead Canopy. Shown also with Auto Water Level Control and Magnetic Starter Panel.



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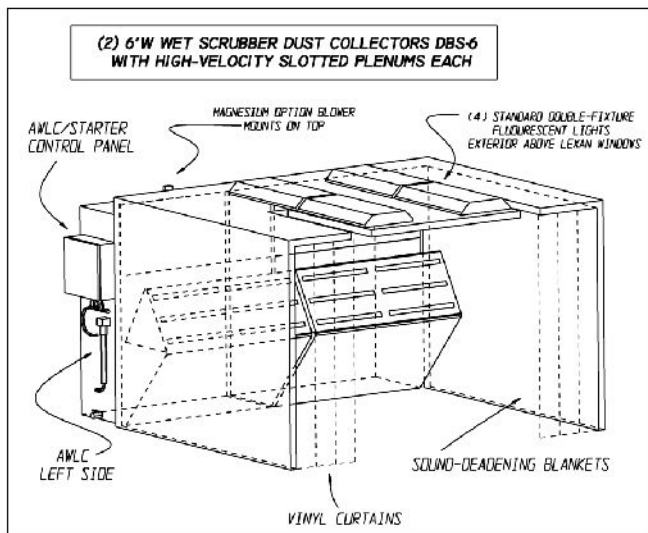
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HydroAIR Lateral Inlet Design for Maximum Capture Velocity

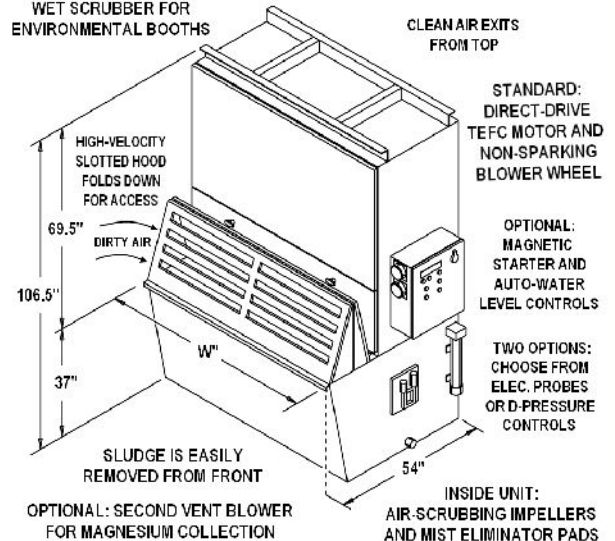


Slots can be designed per customer request for high velocity close-capture or low velocity and high-volume for booth application

Below: A previous HydroAIR installation of our Environmental Booth with Two HA Units providing the capture and collection of metal dust



HYDROAIR SINGLE-SIDED WET SCRUBBER FOR ENVIRONMENTAL BOOTHS



MODEL	WIDTH W"	CFM
DBS-4	48"	4,000
DBS-5	60"	5,000
DBS-6	72"	6,000
DBS-8	96"	8,000
DBS-10	120"	10,000



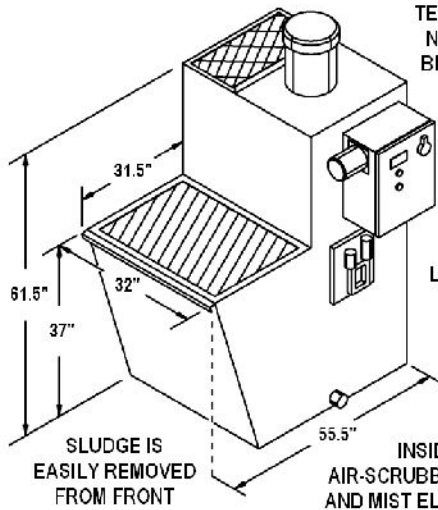
Above: Environmental Booth with slots for Overhead-Crane Access and a pair of Stainless Steel 6' Modules equipped with Lateral Inlet Slotted Hoods

HYDROAIR SINGLE-SIDED
WET DOWN-DRAFT TABLE

CLEAN AIR EXITS
FROM TOP

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

STURDY
304SS WORK-
SURFACE CAN
BE COVERED
WITH OUR
SOFT VINYL
TOP AS
AN OPTION



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
DB-3	32"	3,000



Left: DB-3 Table with
Overhead Light option,
Pin-Hinged Sides and
Photohelic Auto Water
Level Control

Below: A bank of
Stainless Steel Double
6' HydroAIR Tables
with a Canopy and
Pin-Hinged Sides each



Features:

- 1) Highest air volume through the table at 350 to 400 fpm across open tables with slot velocities of 1000 to 2000 fpm depending on table covering options.
- 2) Quiet operation with all but the 3' tables using 1750 rpm BI wheel blowers.
- 3) Removable, Cleanable Mist Eliminators with pyramid design for triple the square footage of most other units.
- 4) 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: Powered Magnesium Dust Collector available.

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 a removable mist eliminator combination constructed of polyester. This shall include a rigid metal support frame.
- 6) Blower outlet chamber shall be lined with minimum of 1" acoustical foam.
- 7) Heavy Duty 304SS Grating work-surface with an optional Soft Vinyl Top for protecting work pieces.
- 8) Optional Pin-Hinged Side Panels, Awnings, and Overhead Lights are available.
- 9) Tables to have Ergonomic "Sit Under Design"
- 10) Electronic Probe or Photohelic Auto Water Level Control (no floats)
- 11) Full NFPA 484 Compliance

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