



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

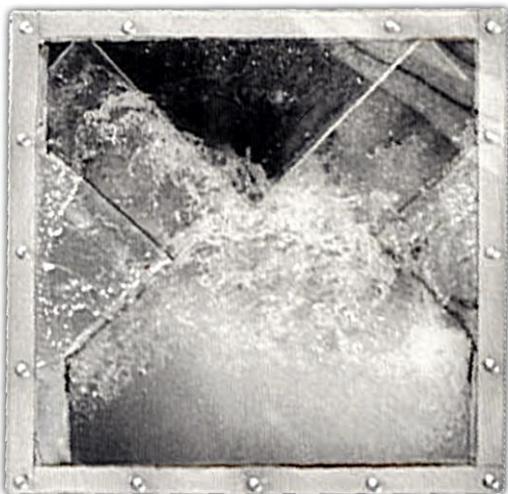
HydroAIR equipment has been purchased by nearly every branch of the U.S. Armed Services (Army, Navy, AirForce) and most of the major aerospace and aircraft producers in the U.S. including Boeing, Sikorsky, Lockheed and Bell Helicopter. NASA and other government branches are satisfied users of HydroAIR.

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



Double Sided 5' Table, Stainless with Canopy Hoods and Removable Sided and 24/7 off line Vent Blower. Add-on operation lights are shown.

**“Simple, Safe, Efficient, Economical”**  
**(meets NFPA requirements)**



Above: High Energy Impeller Design



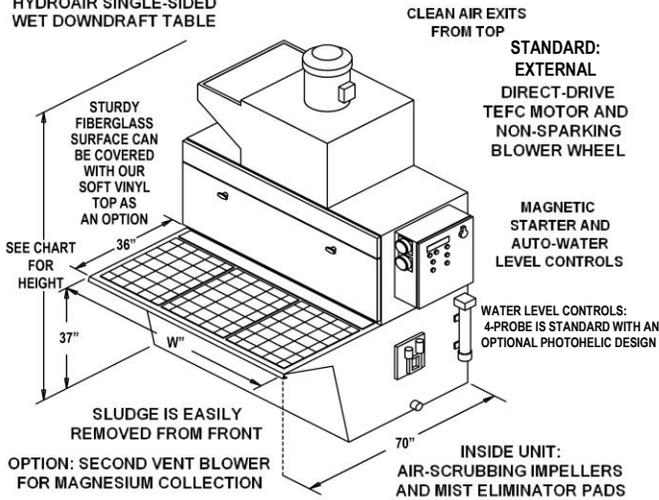
3 ea. 4' Tables for GE (Stainless Steel) showing standard ‘Sit Under’ design with Optional Pin-Hinged Removable sides with Photohelic Auto Water Level Control

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“Better Air Ideas”  
**SCHUBERT**  
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Air Pollution Control Equipment & Sheet Metal Fabrication

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### HYDROAIR SINGLE-SIDED WET DOWNDRAFT TABLE



MODEL	WIDTH W"	HEIGHT H"	CFM
DB-4	48"	112"	4,000
DB-5	60"	112"	5,000
DB-6	72"	113"	6,000
DB-8	96"	114"	8,000
DB-10	120"	118"	10,000

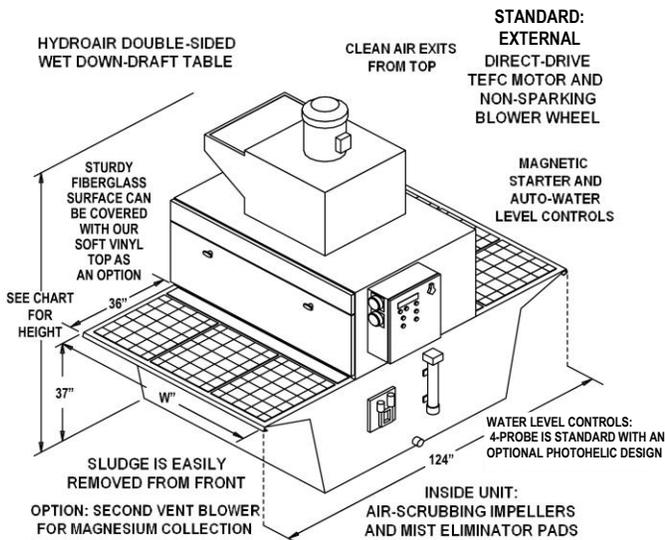


Above shows Stainless Table, Full Control Panel and off line vent bloom for Magnesium Dust NFPA 484 compliance



"Wetted" Mist Eliminators for easy maintenance.

### HYDROAIR DOUBLE-SIDED WET DOWN-DRAFT TABLE



MODEL	WIDTH W"	HEIGHT H"	CFM
DB2-4	48"	114"	8,000
DB2-5	60"	114"	10,000
DB2-6	72"	118"	12,000
DB2-8	96"	120"	16,000
DB2-10	120"	123"	20,000



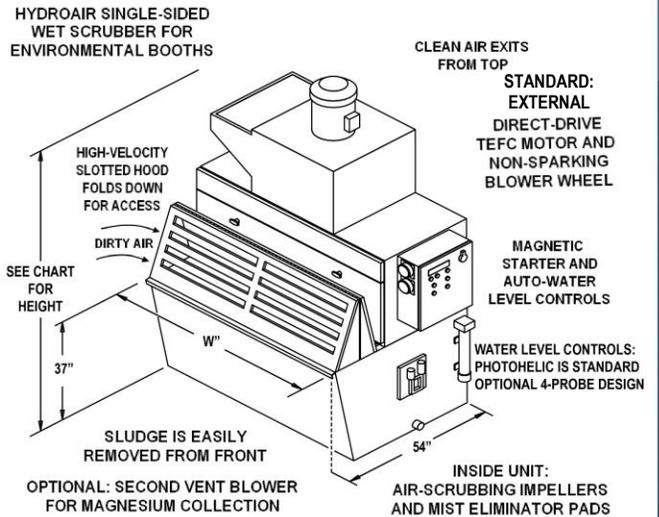
Double Wet Table with Optional Vinyl Strip Curtain Sides and RegainAIR Overhead Canopy. Shown also with Auto Water Level Control and Magnetic Starter Panel.

### HydroAIR Lateral Inlet Design for Maximum Capture Velocity

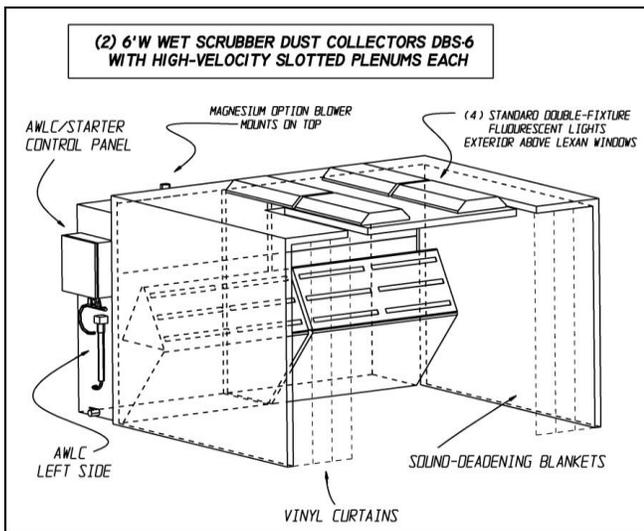


Slots can be designed per customer request for high-velocity close-capture or low-velocity and high-volume for booth application

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



MODEL	WIDTH W"	HEIGHT H"	CFM
DBL-4	48"	112"	4,000
DBL-5	60"	112"	5,000
DBL-6	72"	113"	6,000
DBL-8	96"	114"	8,000
DBL-10	120"	118"	10,000



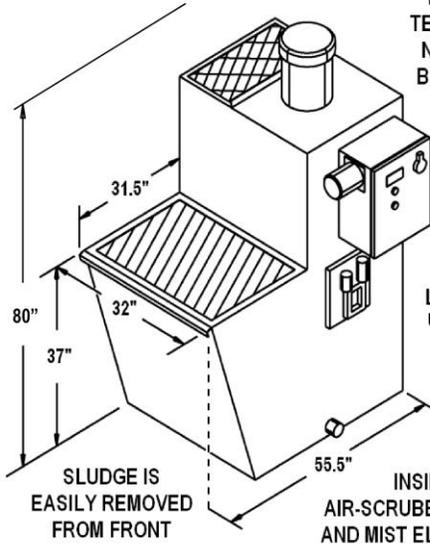
Above: Environmental Booth with slots for Overhead-Crane Access and a pair of Stainless Steel 6' Modules equipped with Lateral Inlet Slotted Hoods

HYDROAIR SINGLE-SIDED WET DOWN-DRAFT TABLE

CLEAN AIR EXITS FROM TOP

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

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



MODEL	WIDTH W"	HEIGHT H"	CFM
DB-3	32"	80"	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 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 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