

HYDROMAX® WC5000 / WCDDT7230 Specifications and Technical Data

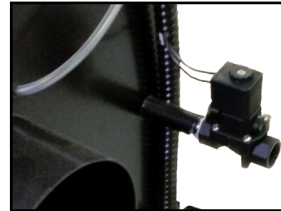
TYPICAL APPLICATIONS

- Explosive Dust Compounds
- Abrasives and Polishing
- Grinding Dust and Particulate
- Sparking or Combustible Materials
- Powders
- Other Dry Dusts

STANDARD FEATURES:



- Up to 4800 CFM
- All Stainless Steel Construction with Marine Grade Black Epoxy Finish.
- Dual 5 HP Washdown TEFC motor with Stainless Steel blower.
- NEMA 4 control panel with visual heads-up display and integral motor controls including panel mounted start/stop pushbuttons.
- Integrated automatic fill control valve actuated based on digital static pressure inputs.
- Equipment Interlock: HYDROMAX comes standard with a low level shut-off relay and motor run relay to interlock dust producing equipment.
- Sump overflow visual alarm that shuts unit down.



Fill Valve



Control Panel

Standard auto-fill valve and interlocking control panel shown. Features built in, pre-wired controls.

SPECIFICATIONS:

OVERALL DIMENSIONS: 72" H X 52" W X 39" D

SHIPPING WEIGHT: 1400 LBS

CABINET: 16 GAUGE WELDED 304 STAINLESS STEEL CABINET CONSTRUCTION. ALL SURFACES GROUND SMOOTH

FINISH: MARINE GRADE EPOXY COAT INSIDE AND OUT

FILTER ACCESS: LIFT OFF FRONT PANEL FOR EASY CLEANOUT

MOTOR: DUAL 5 HP, TEFC WASHDOWN MOTORS, 208/230 OR 460 THREE PHASE

BLOWER: STAINLESS STEEL BACKWARD INCLINED, DIRECT DRIVE BLOWER

AIR VOLUME: LOW STATIC—4800CFM @ 0" EXTERNAL STATIC
MED STATIC—4500 CFM @ 4.25" EXTERNAL STATIC

SOUND LEVELS: 84 Dba WITHOUT SILENCER
78 Dba With SILENCER

CONTROLS: FACTORY WIRED AND INSTALLED NEMA 4 CONTROL PANEL COMPLETE WITH MOTOR STARTER, OVERLOAD PROTECTION, DIGIHELIC FLOW CONTROL AND PUSHBUTTON START/STOP.

INLET/DISCHARGE: 2 EA 10" DIA. ROUND INLET. VERTICAL DISCHARGE IN THE TOP OF THE FILTER CABINET.

SUMP VENT: 4" ELECTRONICALLY CONTROLLED AND EQUIPPED STANDARD

WCDDT7230: 72" X 30" DOWNDRAFT TABLE WITH SLOPED INTERCONNECTING HOPPER—SUPPLIES 330FPM DOWNDRAFT VELOCITY

OPTIONS:

- Powered Sump Vent Blower
- Common Inlet Plenum
- Exhaust Silencer
- HEPA Afterfilter
- WCDDT7230 Downdraft Table
- Low Static Wheel for 0" - 4" ESP
- Medium Static Wheel for 4" - 8" ESP



WC5000 / WCDDT7230

HOW IT WORKS

Combustible dust enters the HYDROMAX through ducting in the rear of the filter cabinet and is run through an aqueous bed of water and a series of internal baffles utilizing engineered water streams to drop out and filter the combustible dust. Dust is contained in the bottom of the collector for safe removal at necessary intervals. Water levels are automatically controlled through our engineered flow valve system that can be interlocked with the dust producing equipment to meet OSHA and NFPA codes.



Specifications subject to change without notice.

Sold and Serviced by:

L2662-07/15