

# HYDROMAX WC5000

## Specifications and Technical Data

### TYPICAL APPLICATIONS

- Grinding Dust
- Abrasives and Polishing
- Explosive Dust Compounds
- Other sparking or combustible materials



### FEATURES:

- 5000 CFM
- All Stainless Steel Construction with Marine Grade Black Epoxy Finish.
- 7.5 HP Washdown TEFC motor with Marine Grade Epoxy Coated 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.

### OPTIONS:

- Powered vent used for applications where Magnesium is being collected.



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

### SPECIFICATIONS:

**OVERALL DIMENSIONS:** 84" H X 42" W X 48" D

**WEIGHT:** 920 LBS

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

**FINISH:** MARINE GRADE POWDER COAT INSIDE AND OUT.

**FILTER ACCESS:** LIFT OFF FRONT PANEL FOR EASY CLEANOUT.

**MOTOR:** 7.5 HP, TEFC WASHDOWN MOTOR, 208/230 OR 460 V THREE PHASE.

**BLOWER:** MARINE GRADE EPOXY COATED STEEL BACKWARD INCLINED, DIRECT DRIVE BLOWER.

**AIR VOLUME:** 5000 CFM @ 2" EXTERNAL.

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

**EQUIPMENT INTERLOCK:** HYDROMAX COMES STANDARD WITH A LOW LEVEL SHUTOFF RELAY AND MOTOR RUN RELAY TO INTERLOCK WITH DUST PRODUCING EQUIPMENT TO MEET ALL APPLICABLE OSHA/NFPA CODES.

**INLET/DISCHARGE:** 14" DIAMETER ROUND INLET. VERTICAL DISCHARGE IN THE TOP OF THE FILTER CABINET.

**SUMP VENT:** 4" ELECTRONICALLY CONTROLLED AND EQUIPPED STANDARD TO COMPLY WITH APPLICABLE NFPA CODES.

### 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:**

L2662-02/11