



PATENTED HYDROMAX® RWC5000

Specifications /Technical Data

TYPICAL APPLICATIONS:

- SAFE COLLECTION OF STEEL, STAINLESS STEEL, ALUMINUM, TITANIUM AND OTHER COMBUSTIBLE WELD PARTICLES.

STANDARD FEATURES:

- MIST ELIMINATOR FILTERS
- INTERNAL BAFFLE SECTION
- SUMP WITH SLOPED FRONT FOR EASY CLEAN-OUT
- ALL STAINLESS STEEL CONSTRUCTION
- UL 508A NEMA 4 VFD CONTROL PANEL WITH INTEGRAL MOTOR AND LEVEL CONTROLS
- SUMP OVERFLOW ALARM THAT SHUTS UNIT DOWN
- AFTER-FILTER TEMPERATURE MONITORING AND HIGH TEMP. SHUTDOWN.
- PRE-WIRED FOR ALTERNATE REMOTE START OR MANUAL START

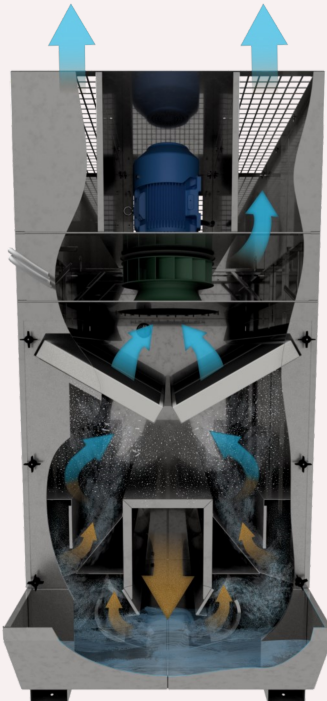
STANDARD FEATURES:

- EQUIPMENT INTERLOCK - LOW LEVEL SHUT-OFF RELAY AND MOTOR RUN RELAY TO INTERLOCK WITH DUST PRODUCING EQUIPMENT

OPTIONS:

- POWERED SUMP VENT BLOWER
- MARINE GRADE FINISH (BLACK)
- MERV 16 DUAL A-FRAME AFTER-FILTER
- MERV 16 SINGLE A-FRAME AFTER-FILTER
- HEPA AFTER-FILTER

HOW IT WORKS:



Weld smoke enters the HYDROMAX® wet collector through ducting in the rear of the filter cabinet. The contaminated air is mixed into a turbulent water bath, and runs through a series of internal baffles. The engineered baffles, and water streams filter and drop out the combustible dust where it is contained in the bottom of the collector for safe removal, at necessary intervals with the provided sludge rake. Water levels are automatically controlled through our flow valve system that can be interlocked with the dust producing equipment to meet OSHA and NFPA requirements for combustible dusts.

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Fill Valve



Control Panel

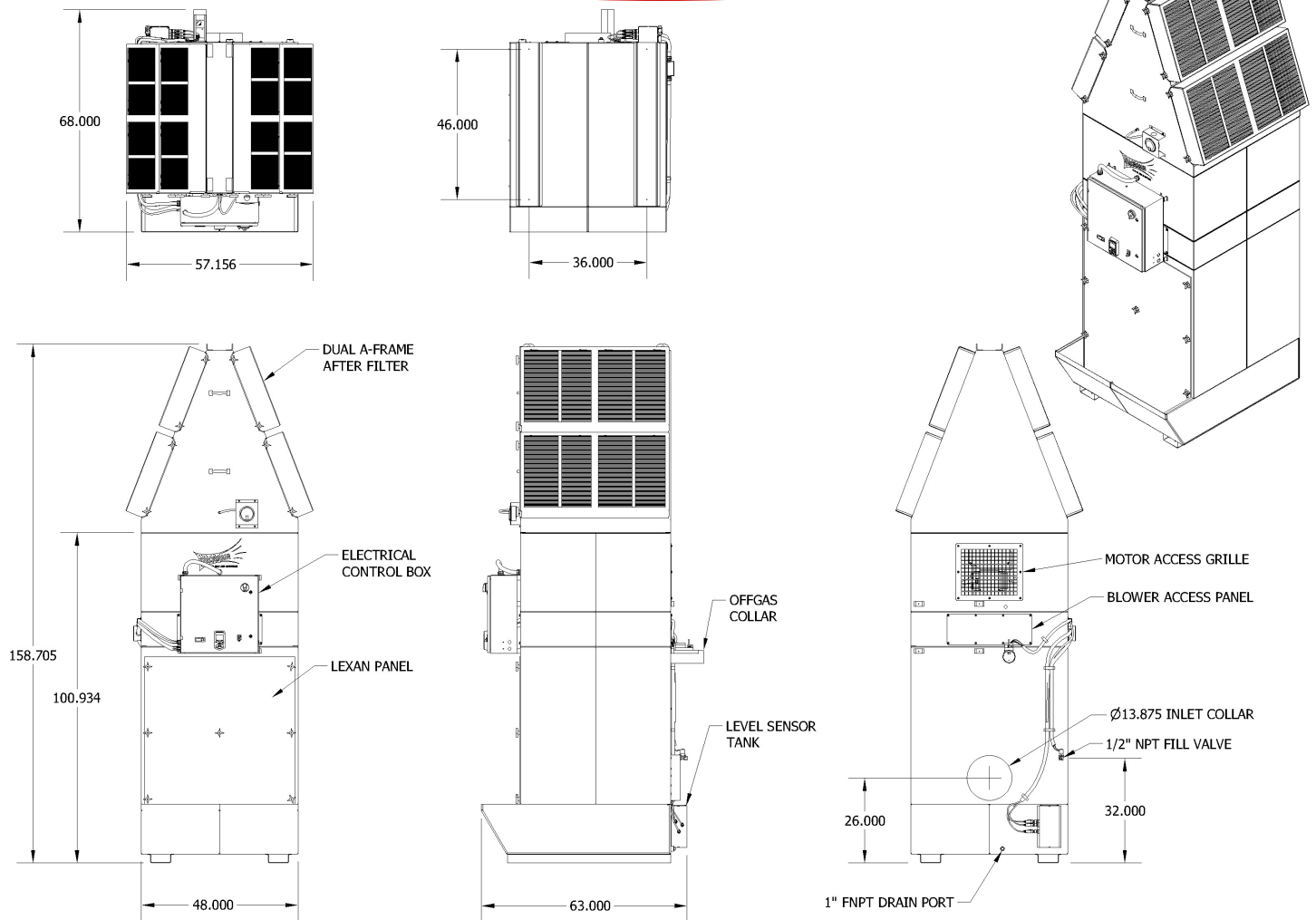
Standard auto-fill valve & interlocking control panel with disconnect



MIST-X FILTERS

Specially designed chevrons capture any mist and droplets in the air stream keeping the exhausted air dry. Side drain holes help drain captured water back into the sump.

RWC5000



RWC5000 SPECIFICATIONS:

OVERALL DIMENSIONS:

101" H X 48" W X 68" D
159" H X 48" W X 68" D WITH DUAL A-FRAME AFTER-FILTER

WEIGHT:

*1,300 LBS ACTUAL WEIGHT
*1,450 LBS SHIPPING WEIGHT
*WEIGHT VARIES DEPENDING UPON OPTIONS SELECTED

CABINET:

HEAVY DUTY 16 GA. WELDED 304 STAINLESS STEEL W/EXTERIOR SURFACES AND WELDS PACIFIED

FINISH:

OPTIONAL MARINE GRADE BLACK POWDER COAT FINISH

FILTER ACCESS:

BOLT ON FRONT PANEL FOR EASY CLEANOUT OF COLLECTED SLUDGE

MOTOR:

15 HP, TEFC, MOTOR, 230 OR 460V, THREE PHASE, 3545 RPM

BLOWER:

ALUMINUM, NONSPARKING, B.I. DIRECT DRIVE BLOWER

AIR VOLUME:

5000 CFM @ 6.5 IN W.C. EXTERNAL STATIC PRESSURE

CONTROLS:

FACTORY WIRED AND INSTALLED NEMA 4 CONTROL PANEL, COMPLETE WITH MOTOR STARTER, CAPACITANCE LEVEL CONTROL NON-FUSED ROTARY DISCONNECT SWITCH AND VFD MOTOR CONTROL, ON/OFF/REMOTE SELECTOR SWITCH AND HIGH TEMP. SHUTDOWN

INLET / EXHAUST:

REAR 14" INLET COLLAR
DUAL VERTICAL DISCHARGE IN THE TOP OF FILTER CABINET

SUMP VENT:

4" DIAMETER ELECTRONICALLY CONTROLLED AND EQUIPPED STANDARD

MAX CURRENT

230V / 460V—35.5/ 17.8 AMP

NOISE LEVELS:

87 dBA @ 5' - NO SILENCER

WATER USAGE:

4.19 GAL / HR

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE