

# SPECIFICATION:

## FILTER 1 – HYDROTRON MODEL HWF-1-10-3

- AUTOMATIC FILL SYSTEM**
- ½” NPT CUT OFF VALVE TO ISOLATED UNIT FOR SERVICE
  - ½” NPT ELECTRICAL SOLENOID ONLY ALLOWS MAKE UP WATER TO ENTER UNIT WHEN BLOWER IS ON
  - AUTOMATIC ELECTRONIC FLOAT VALVE CONTROLS LEVEL OF WATER .
  - MANUAL FILL OVERRIDE SWITCH FOR INITIAL FILLING OF WATER
  - PRESSURE REGULATOR FOR INLET WATER SUPPLY WHEN UNIT IS RUNNING
- BLOWER**
- DIRECT DRIVE BACKWARD INCLINED AIR FOIL TYPE WITH CONED INLET FOR MAXIMUM EFFICIENCY
  - NO BEARINGS TO GREASE OR BELTS TO CHANGE.
  - FOUR POINT VIBRATION ISOLATORS
  - HOUSED IN SOUND INSULATED CHAMBER
  - ADJUSTABLE OUTLET LOUVER ALLOWS CONTROL OF SUCTION
  - **3 HP** TEFC MOTOR 208 / 230 / 460 VOLT
  - BLOWERS **RATED 1,000 CFM AT 6” / 8” TSP** ( TOTAL STATIC PRESSURE )
- CABINET**
- WELDED 12 GA. GALVANIZED STEEL WITH TWO PART COLD TAR EPOXY COATING ON ALL INTERIOR WET SURFACES
  - INDUSTRIAL ACRYLIC ENAMEL ( GULF BLUE ) COATING ON EXTERIOR
  - REMOVABLE CLEAR ACCESS PANEL FOR VIEWING AND ACCESS TO WET SECTION OF COLLECTOR
  - INTERIOR BAFFLE SYSTEM ENSURES THROUGH MIXING OF WATER AND PARTICULATE
  - CHEVRON STYLE MIST ELIMINATOR PACK COALESSES AND DRAINS DROPPLETS BACK INTO COLLECTOR
  - DRAIN – 1 ½” DIA. MALE NPT WITH CAP
  - OVERFLOW ½” NPT
  - 6” DIA. INLET WITH 2” LIP
- MOTOR STARTER**
- MAGNETIC MOTOR STARTER WITH PUSH BUTTON ON / OFF BUTTON, OVERLOAD PROTECTION IN NEMA 1 BOX, 460 VOLT STANDARD
  - FACTORY INSTALLED CONTROL VOLTAGE TRANSFORMER
  - EVERYTHING PREWIRED AND READY TO HOOK UP TO YOUR DISCONNECT SWITCH
- REQUIREMENTS**
- 208 / 230 / 460 VOLT 3 PHASE POWER FOR BLOWER
  - 11 / 9.6 / 4.8 AMPS
  - MAKE UP WATER SUPPLY
- SHIPPING WEIGHT**
- APPROX. –1,000 LBS.
- OVER ALL DIMENSIONS**
- 34” WIDE x 40 “ DEEP x 95 “ HIGH

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### **OPTIONS**

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#### **CABINET CONSTRUCTION**

- STAINLESS STEEL CONSTRUCTION
- EXPLOSION PROOF MOTORS
- SPARK RESISTANT BLOWER CONSTRUCTION
- CUSTOM PAINT COLOR
- SLUDGE CONVEYORS
- SLUDGE REMOVAL USING OUR VACUTRON PNEUMATIC OPERATED SYSTEM TO TRANSFER THE SLUDGE TO A 55 GALLON DRUM

#### **ELECTRICAL**

- ELECTRICAL ENCLOSURES - NEMA 12/13

#### **ODOR CONTROL**

- ACTIVATED CARBON, PURAFILL OR OTHER ADSORPTION MATERIAL , AVAILABLE IN REFILLABLE MODULES, REMOVES PROCESS ODORS AND GASSES NOT REMOVED BY THE WET COLLECTOR

#### **SAFETY FILTERS**

- ASHRAE OR HEPA AFTER FILTERS SOMETIMES REQUIRED WHEN RECYCLING AIR FROM EXTREMELY HAZARDOUS DUST APPLICATIONS. CAN INCLUDE VISIBLE OR AUDIBLE INDICATOR

#### **WATER FILL CONTROL**

- LOW WATER CUT OFF SWITCH, DISABLES COLLECTOR
- OVER FLOW WATER CUT OFF SWITCH