

SPECIFICATION:

FILTER 1 – PULSATRON MODEL PFV-20-15D

FILTER CLEANING

- AUTOMATIC SELF CLEAN USING COMPRESSED AIR TO BACK FLUSH THE FILTERS
- SOLID STATE PULSE CONTROL TIMER CONTROLS THE PULSE DURATION AND THE TIME BETWEEN PULSES, ACTIVATED BY EITHER A
- MANUAL SWITCH OR BY AN AUXILLARY CONTACTOR ON THE BLOWER MOTOR STARTER
- QTY. OF “**POWER PULSE**” DIAPHRAM VALVES = 10
- QTY. OF PILOT VALVES = 10
- FILTER SERVICE INDICATOR = 0-10” MAGNEHELIC GAGE

DUST COLLECTOR CABINET

- WELDED 12 / 14 GA. MILD STEEL WITH 16” WIDE PANELS,
- RATED +/- 18” OF WATER COLUMN
- INDUSTRIAL ACRYLIC ENAMEL PAINT (GULF BLUE)
- CARTRIDGE FILTERS SECURED BY OVER CENTER CLAMP, NO TOOLS REQUIRED
- REVERSE “POWER PULSE” JET CLEANING SYSTEM WITH 0 – 10” MAGNAHELIC GAUGE FOR FILTER STATUS INDICATOR
- DIRECT DRIVE BACKWARD INCLINED AIR FOIL TYPE BLOWERS WITH VIBRATION ISOLATORS AND SOUND INSULATED CHAMBER POWERED BY 208 / 230 / 460 VOLT THREE PHASE TEFC MOTORS
- 60 degree HOPPERS

CARTRIDGE FILTER

- EFFICIENCY **99.9 % AT .5 MICRON** AND LARGER
- MEDIA – STANDARD = 80 / 20 BLEND OF MAN MADE AND NATURAL FIBERS WITH A LAMINATION OF BLOW MELT POLYPROPYLENE AND A UL CLASS 2 FIRE RETARDANT TREATMENT
- CARTRIDGE QTY = 20
- CARTRIDGE SIZE 12.75” DIA. X 30” = 275 SQ.FT.
- FILTER AREA TOTAL = **5,500 SQ. FT.**

REQUIREMENTS

- 208 / 230 / 460 VOLT 3 PHASE POWER FOR BLOWER
- 40.6 / 37 / 18.5 AMPS FOR BLOWER MOTOR
- 115 VOLT 2 AMP SINGLE PHASE POWER FOR CLEANING CONTROL
- OPTIONAL FACTORY INSTALLED CONTROL VOLTAGE TRANSFORMER AVAILABLE
- COMPRESSED AIR REQUIRED, CLEAN, COOL AND DRY 80 TO 100 PSI
- COMPRESSED AIR USED -- 1.55 SCF / PULSE

SHIPPING WT.

- APPROX. –1,888 LBS.

DIMENSIONS

- 80” WIDE x 64 ” DEEP x 168” HIGH
STANDARD WITH 40” BELOW BOTTOM OF HOPPER FOR 55 GALLON DRUM

OPTIONS

OPTIONS

BLOWER

- DIRECT DRIVE BACKWARD INCLINED AIR FOIL TYPE WITH CONED INLET FOR MAXIMUM EFFICIENCY
- NO BEARINGS TO GREASE OR BELTS TO CHANGE
- (FOR QUIET, EFFICIENT OPERATION)
- FOUR POINT VIBRATION ISOLATION

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OPTIONS

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BLOWER

- 15 HP TEFC MOTORS RATED 5,500 CFM AT 12” TSP (Total Static Pressure)
- BLOWER OPTIONS: VOLUME CONTROL WITH INLET OR OUTLET DAMPERS (NORMALLY NEEDED DURING START UP), SILENCERS, SPARK RESISTANT CONSTRUCTION, EXPLOSION PROOF MOTORS, BELT DRIVE, GROUND MOUNTED

STRUCTURES

- PLATFORM AND LADDER PACKAGES
- SUPER STRUCTURES TO SUPPORT PULSATRONS OVER DUMPSTERS, ETC.

FILTERS CARTRIDGES

- FILTER MEDIA TO MATCH THE APPLICATION INCLUDING SPUN BOND POLYESTER, PTFE, MEMBRANES, HIGH TEMP, AND MORE
- CARTRIDGE CONSTRUCTION WITH , W/O EXTERIOR CAGE, STAINLESS STEEL, FOOD GRADE, ETC.

HOPPER

- DRUM CONNECTION KIT CONNECTS TOP OF STANDARD 55 GALLON DRUM TO BOTTOM OF HOPPER, OPTIONAL SLIDE GATE ALSO AVAILABLE
- ROTARY VALVES IN 10”, 12”, 14”, 16”, DIA. WITH 2 HP TEFC MOTOR AND GEAR DRIVE USED WITH HIGH VOLUME OF CHIPS AND DUST APPLICATIONS
- HOPPER INSPECTION DOOR OF CLEAR PLASTIC FOR EASY VIEWING AND HINGED WITH QUICK RELEASE LATCHES FOR ACCESSABILITY, RECOMMENDED WHEN USING ROTARY VALVE

ODOR CONTROL

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

CLEANING CONTROLS

- ELECTRICAL ENCLOSURES - NEMA 12/13
- MAGNETIC MOTOR STARTERS WITH PUSH BUTTON ON / OFF, OVERLOAD PROTECTION AND AUXILIARY CONTACT SWITCH IN NEMA BOX
- PULSE CLEANING VIA “PHOTOHELIC CONTROL” SAVES COMPRESSED AIR BY CONTINUALLY MONITORING FILTER CONDITIONS AND ONLY ACTIVATING PULSE CLEANING WHEN NEEDED.
- PULSE CONTROL VIA “ ON / OFF LINE CLEANING “ ACTIVATES PULSE SEQUENCE WHILE BLOWER IS ON AND THEN GOES INTO “OFF LINE CLEANING” WHEN BLOWER IS TURNED OFF.
- PULSE CONTROL VIA “OFF LINE CLEANING” ACTIVATES PULSE SEQUENCE FOR A PROGRAMABLE LENGTH OF TIME EVERY TIME BLOWER IS TURNED OFF.

SAFETY FILTERS

- ASHRAE OR HEPA FILTERS AS BACK UP TO CARTRIDGE FILTERS SOMETIMES REQUIRED WHEN RECYCLING AIR FROM EXTREMELY HAZARDOUS DUST APPLICATIONS. CAN INCLUDE VISIBLE OR AUDIBLE INDICATOR

SAFETY

- DO NOT INTRODUCE SPARKS DIRECTLY INTO DUST COLLECTOR MODULE.
- NO SMOKING
- NO FLAMABLE, VOLATILE OR COMBUSTIBLE COMPOUNDS OR MIXTURES
NO REACTIVE METALS LIKE TITANIUM, MAGNESIUM (REF OUR WET COLLECTORS)
- EXPLOSION LATCHES ON DOORS FOR EXPLOSIVE DUST APPLICATIONS LIKE WOOD DUST
- FIRE SUPPRESSION WITH SPARK DETECTION, SPRINKLER MANIFOLDS
- AUTOMATIC HIGH TEMPERATURE CUT OFF DISABLES BLOWER