

# SPECIFICATION:

## FILTER 1 – PULSATRON MODEL PFV-20-25D

### 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
- **25 HP** TEFC MOTOR
- RATED **10,000 CFM AT 8" TSP** ( TOTAL STATIC PRESSURE )

### CLEANING SYSTEM

- 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

### FILTER CARTRIDGES

- 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
- 78.2 / 68 / 34 AMPS
- 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

### SHIP WEIGHT

- APPROX. -- LBS.

### OVERALL DIMENSIONS

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

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<b>OPTIONS</b>	<b>OPTIONS</b>
<b>BLOWER</b>	<ul style="list-style-type: none"><li>• 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</li></ul>
<b>CABINET</b>	<ul style="list-style-type: none"><li>• PLATFORM AND LADDER PACKAGES</li><li>• SUPER STRUCTURES TO SUPPORT PULSATRONS OVER DUMPSTERS, ETC.</li></ul>
<b>CARTRIDGE FILTER</b>	<ul style="list-style-type: none"><li>• FILTER MEDIA TO MATCH THE APPLICATION INCLUDING SPUN BOND POLYESTER, PTFE, MEMBRANES, HIGH TEMP, AND MORE</li><li>• CARTRIDGE CONSTRUCTION WITH , W/O EXTERIOR CAGE, STAINLESS STEEL, FOOD GRADE, ETC.</li></ul>
<b>HOPPER</b>	<ul style="list-style-type: none"><li>• DRUM CONNECTION KIT CONNECTS TOP OF STANDARD 55 GALLON DRUM TO BOTTOM OF HOPPER, OPTIONAL SLIDE GATE ALSO AVAILABLE</li><li>• 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</li><li>• HOPPER INSPECTION DOOR OF CLEAR PLASTIC FOR EASY VIEWING AND HINGED WITH QUICK RELEASE LATCHES FOR ACCESSABILITY, RECOMMENDED WHEN USING ROTARY VALVE</li></ul>
<b>ODOR CONTROL</b>	<ul style="list-style-type: none"><li>• REFILLABLE ACTIVATED CARBON, PURAFILL OR OTHER ADSORPTION MATERIAL , AVAILABLE IN REFILLABLE MODULES, REMOVES PROCESS ODORS AND GASSES NOT REMOVED BY CARTRIDGE FILTERS</li></ul>
<b>PULSE CONTROL / ELECTRICAL</b>	<ul style="list-style-type: none"><li>• ELECTRICAL ENCLOSURES - NEMA 12/13</li><li>• MAGNETIC MOTOR STARTERS WITH PUSH BUTTON ON / OFF, OVERLOAD PROTECTION AND AUXILLARY CONTACT SWITCH IN NEMA BOX</li><li>• PULSE CLEANING VIA “PHOTOHELIC CONTROL” SAVES COMPRESSED AIR BY CONTINUALLY MONITORING FILTER CONDITIONS AND ONLY ACTIVATING PULSE CLEANING WHEN NEEDED.</li><li>• 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.</li><li>• PULSE CONTROL VIA “OFF LINE CLEANING” ACTIVATES PULSE SEQUENCE FOR A PROGRAMABLE LENGTH OF TIME EVERY TIME BLOWER IS TURNED OFF.</li></ul>
<b>SAFETY FILTERS</b>	<ul style="list-style-type: none"><li>• 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</li></ul>
<b>SAFETY</b>	<ul style="list-style-type: none"><li>• DO NOT INTRODUCE SPARKS DIRECTLY INTO DUST COLLECTOR MODULE.</li><li>• NO SMOKING</li><li>• NO FLAMABLE, VOLITALE OR COMBUSTIBLE COMPOUNDS OR MIXTURES NO REACTIVE METALS LIKE TITANUM, MAGNESIUM ( REF OUR WET COLLECTORS)</li><li>• EXPLOSION LATCHES ON DOORS FOR EXPLOSIVE DUST APPLICATIONS LIKE WOOD DUST</li><li>• FIRE SUPPRESSION WITH SPARK DETECTION, SPRINKLER MANIFOLDS</li><li>• AUTOMATIC HIGH TEMPERATURE CUT OFF DISABLES BLOWER</li></ul>