

Specifications

Quotation: 5415

SPX DEHYDRATION & FILTRATION

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3.3.7 DOOR INTERLOCK SOLENOID: One (1) provided on the blast machine

3.3.8 QUANTITY: One (1) pressure blast machine is provided.

3.4 DUST COLLECTION EQUIPMENT: The model CDF-8 collector is of Clemco Industries' own design and manufacture. It is a "downflow" design, cartridge type, reverse pulse style, and is able to withstand temperatures to 200 degrees F. Special instructions and procedures are provided in the owner's manual for cold weather operation. (temperatures below 0 degrees F) It is designed and built for continuous duty operation, and is of heavy duty construction.

3.4.1 CFM: 8,000 in this application

3.4.2 SIZE: Approx. 40" wide x 88" deep x 181" high

3.4.3 ASSEMBLY: The collector is partially assembled at the factory and will be shipped in sections. Lifting points are provided for handling and set up. The major subassemblies include the filter section, the hopper/leg section, and the exhauster.

3.4.4 CONSTRUCTION: Standard construction of the unit is 3/16" and 10 ga. hot rolled steel, formed and reinforced to maintain structural integrity to 20" w. g. All wiring, air piping, solenoid, and diaphragm valves are mounted externally. Inlet and outlet sizes are 16" x 37", and they are flanged for ease of ducting connection.

3.4.5 CARTRIDGES: Cartridge cleaning is "on line" by reverse pulse flow of air. The sixteen (16) cartridges are 13 3/4" dia. x 26" long and are constructed of cellulose/polyester filter media, with suspension. Pressure limit is 22" Hg. vacuum. Maximum airflow per cartridge is 500 CFM. The filter/media area is 252 ft² per cartridge. Cartridge permeability allows an approximate maximum of 2 CFM of air to pass through one square foot of filter material with an initial pressure differential of 0.53" w.g. **Filter media efficiency is 99.7% for .5 micron size particles.** (after initial seasoning of the filter elements)

3.4.6 DIFFERENTIAL PRESSURE GAUGE (Photohelic): A differential pressure gauge is supplied to monitor the pressure between the dirty and clean side of the filters. This gauge helps determine the proper setting for the timer "Off" time.

3.4.7 ADJUSTABLE TIMER: An adjustable timer for controlling the "On" and "Off" time of the air pulse is enclosed in a NEMA-4 control panel. "On" time does not have to be adjusted. The "Off" time controls the length of time between each pulse cycle.

3.4.8 FILTER ACCESS DOORS: Access doors are provided for ease of filter service and maintenance.

3.4.9 DUST DRUMS: One (1) 55 gallon drum is provided.

3.4.10 EXHAUSTER: Nominal 20 Hp., top mounted, direct drive, with outlet damper & exhaust extension.

3.4.11 ABRASIVE RESISTANT INLET: One (1) provided.

3.4.12 DUCTING: A 20' long section of 20" diameter spiral type steel ducting is supplied to connect the dust collector to the existing blast room

3.5 ELECTRICAL CONTROL PANEL: The control panel is a NEMA 12 enclosure, which houses all electrical control components. All control buttons, indicator lights and meters are mounted in the enclosure door, and are labeled for their particular function.