

TECHNICAL SPECIFICATION RAMTUBE BAGHOUSE DUST COLLECTORS

The dust collectors shall be a bag type reverse-pulse-jet continuous automatic self-cleaning, with side or top bag access. Construction shall be of minimum 12-gage steel with tube sheet of 3/16" thick plate. Major sections shall be of welded construction, designed for pressures of ± 20 " w.g. The collector consists of a housing section, with optional "walk-in" plenum on larger top access units and a hopper section.

The housing shall contain the bags, cages, reverse pulse-cleaning system, access doors and compressed air manifold. Side access units shall have access door on side of housing. Top access units shall have access doors on top of the clean-air plenum or optional walk-in plenum.

Bags and cages shall be installed by means of quick release hose clamps in the side access units or with a stainless steel snap band and B-Binder in the top removal units. Standard filter bags shall be polyester needled felt of appropriate weight. Optional filter bag material will be proposed for applications such as high temperature, high moisture content, resistance to acids, etc. Bag cages shall be of appropriate materials, standard mild steel or optional stainless steel, epoxy coated, etc.

Hopper section shall be constructed of 12 gage steel or heavier with minimum side angles of 60° from the horizontal. The dusty air inlet shall be equipped with an angular baffle designed to direct the dust particles to the bottom of the hopper and reduce air turbulence. The dust discharge outlet shall be flanged and suitable to receive a rotary-air-lock in the case of a pyramid hopper or a screw conveyor in the through-type hopper. Optional support legs shall be available.

Standard electrics shall be NEMA 12 or 4, with NEMA 9 and NEMA 7 available should application require it. This covers solenoid enclosures and control panel enclosures. Cleaning cycle controls shall be available in timer only (pulsing independent of pressure drop) or Photohelic controls where pulsing is governed via pressure switch in a Photohelic gage. For both types, pulse length and duration between pulses shall be adjustable. Control panel shall be remove mounted.

The collector shall be phosphatized, painted with zinc chromate primer and OSHA Blue enamel coat outside only. Epoxy based topcoat shall be available for special applications.