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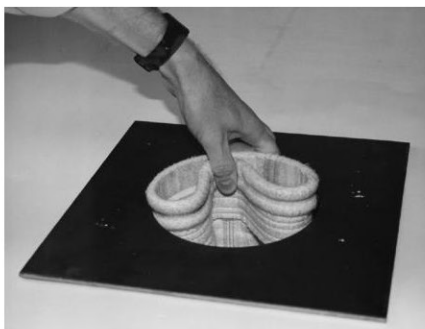
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## INTERMEDIATE PRESSURE PULSE FABRIC FILTERS

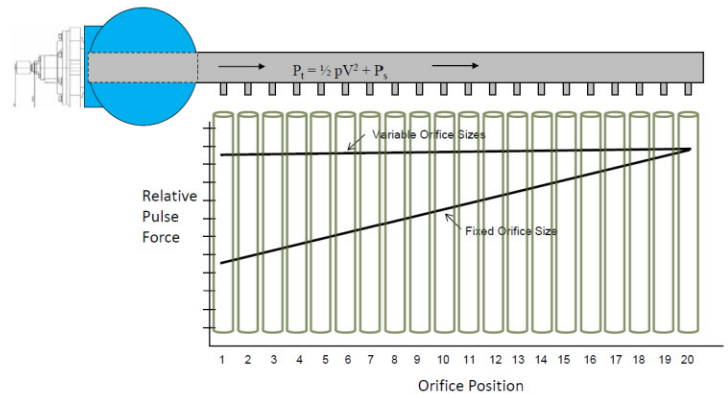
Amerair intermediate pressure pulse jet collectors feature 3" or 4" immersed pulse valves in a 14" diameter header. Due to the high Cv (coefficient of air flow) of these immersed pulse valves, sufficient cleaning compressed air is delivered to clean up to 10m (32 ft. 10") long filter bags at header pressures of 25 psig to 45 psig.



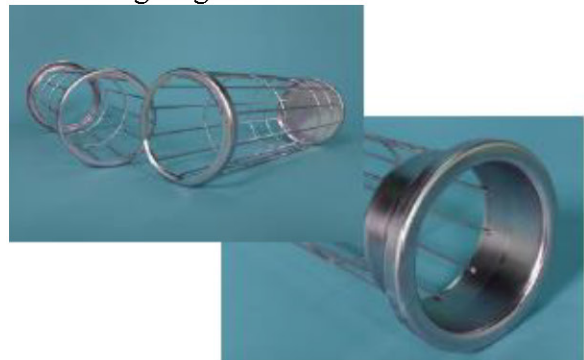
Bag installation is a snap with tool-less double bead snap band installation into the cell plate. 5" and 6" diameter bags allow for design flexibility.



The advanced Amerair design uses nozzle mounted pulse tubes eliminating the need for a venturi at the top of the bag while allowing for efficient pulse cleaning with the pulse of compressed air centered in the bag. Cleaning is further enhanced by balancing the cleaning force coming from each of the pulse tube's orifices by custom varying the diameter of each orifice progressively along the pulse tube. Force balance is custom designed for each application using the industry's most advanced compressible fluid flow program. The array of benefits include; improved cleaning, longer bag life and reduced compressed air consumption.



Bag Cages



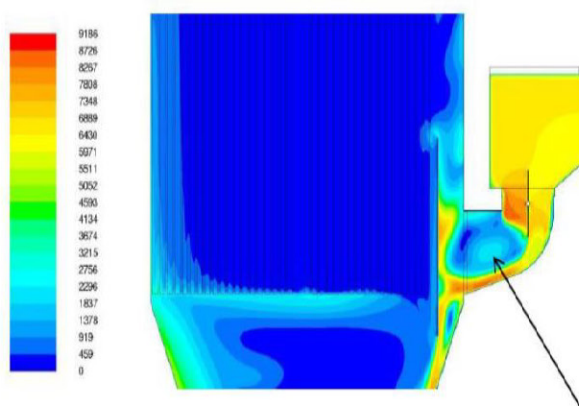
No venturi cage design for low pressure drop and multiple piece quick connect sections for ease of installation of long bags.



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Beyond efficient cleaning system design, compartment flow management is critical to successful operation with respect to; pressure drop, bag life, and cleaning performance. Amerair makes use of high and low side flow baffles in its proprietary designs aided by CFD analysis for balanced compartment flow.



Amerair long bag pulse jet fabric filters are custom designed to accommodate a wide range of applications and gas volumes. Single module delivery completely assembled and optionally shop insulated lowers construction cost.



Oversize compartments for very large gas volumes are pre-fabricated in flanged, weld able sections for low cost field installation



Sectional fabrication as shown above enabled the low cost on time construction of this 700,000 ACFM Intermediate pressure pulse jet collector using 8 multi-piece compartments.

