

Hygienic Side Entry Receiver (HSER)

- Low headroom applications
- Compact design, requires less plant space
- Side entry and tool-free filter element removal allows quick maintenance
- No confined space entry for conducting maintenance
- Single point access to both clean and dirty volumes of the filter
- Simple design with minimal internal structure enables thorough clean-down

Application

The HSER filter is designed to meet challenging requirements for sanitation and inspection in the food, pet food and chemical industries. With a horizontal cartridge (or bag) filter, the HSER is ideally suited for low headroom applications under pressure or vacuum and is primarily used as a filter receiver at the end of a pneumatic conveying system to separate the product being conveyed from the convey air. A small footprint makes the HSER well suited for a variety of indoor locations. Explosion venting or suppression can be easily accomplished by venting out the top or sides of the filter. This can be achieved affordably due to the higher reduced pressure this filter can withstand. These features allow the operator the flexibility to use smaller or fewer explosion vent or suppression devices, reducing the complexity and cost of the overall system.

Equipment

The compressed purge air delivery system, including the header, diaphragms, and purge pipes, is located in the hinged plenum door. This provides media cartridge access without having to remove purge pipes.



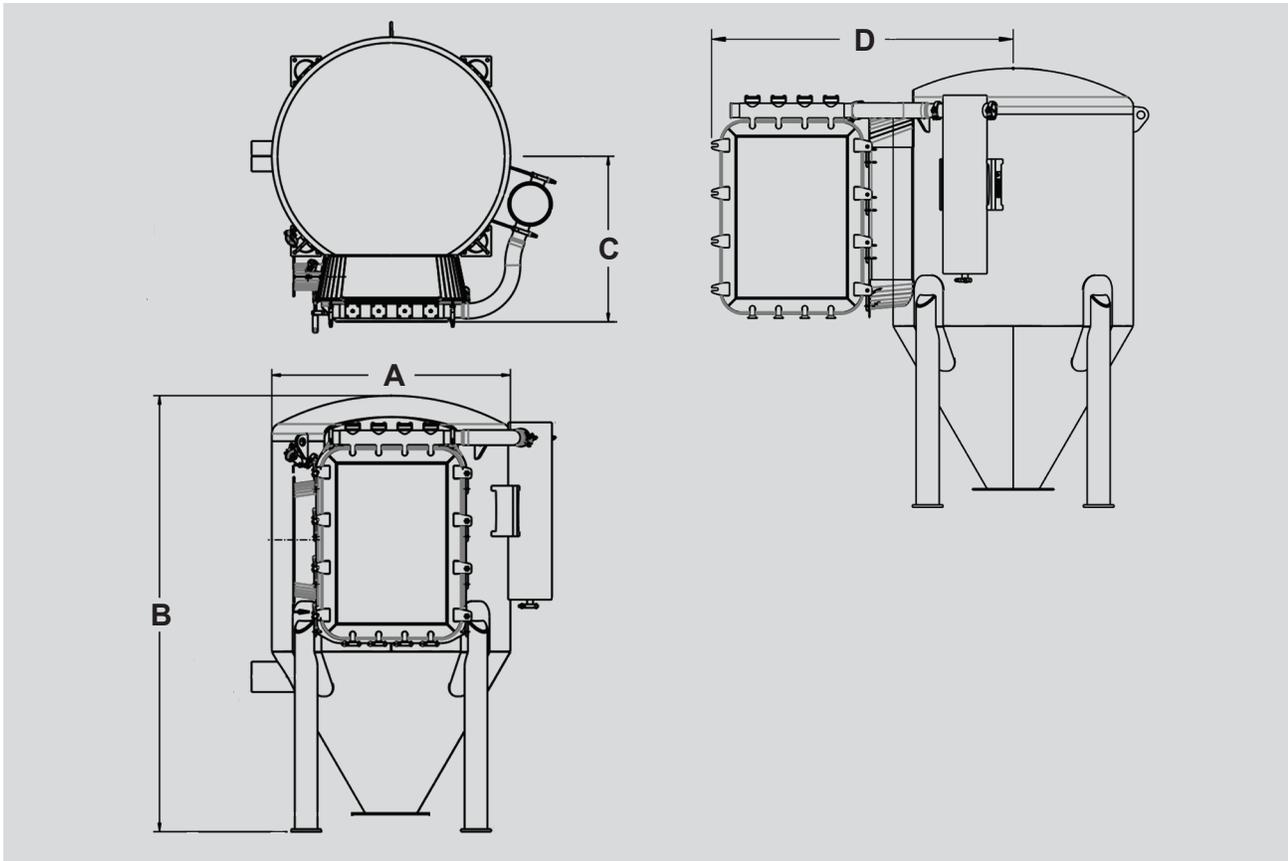
Less complicated than competitive products, the hinged tubesheet provides a single point of access to the baghouse section through the clean air plenum; eliminating additional platform or mezzanine access requirements.

The HSER utilizes clean design concepts, minimizing horizontal surfaces where product or water might collect. The tubesheet design incorporates a machined insert which provides a flush internal surface and a rigid surface to seal the filter elements. The exclusive Schenck Process design allows for complete disassembly simplifying sanitation processes. Only the ACME threaded welded studs require in-place cleaning. There is no internal structure in the product contact area, which makes it easier to clean.

Loose parts are kept to a minimum during change-outs with only removal of the venturi required for access to the media. The sanitary envelope-styled cartridge minimizes product retention on the media. For even higher sanitary needs bag filter elements may be used.

Note: The HSER can be optionally manufactured to meet 3-A standards. This is possible only if bag style filter elements are incorporated in addition to 3-A compliant design options. When manufactured with 3-A design the HSER is named HSER 3-A.

Dimensions (inches)



Model	Cloth Area				# of Filter Elements	Dimensions – Inches (mm)			
	Cartridge (Sq. Ft.)	Cartridge (Sq. M)	Bag (Sq. Ft.)	Bag (Sq. M)		A	B	C	D
24HSER2	38.8	3.6	14.6	1.4	2	28" (711 mm)	77.9" (1,979 mm)	24.3" (617 mm)	40.7" (1,034 mm)
24HSER3	58.2	5.4	21.9	2.0	3	36" (914 mm)	84.7" (2,151 mm)	25.2" (640 mm)	51.8" (1,316 mm)
24HSER4	77.6	7.2	29.2	2.7	4	36" (914 mm)	84.7" (2,151 mm)	25.5" (648 mm)	51.8" (1,316 mm)
39HSER4	142	13.2	47.6	4.4	4	47" (1,194 mm)	86.1" (2,187 mm)	32.7" (831 mm)	59.1" (1,501 mm)
39HSER5	177.5	16.5	59.5	5.5	5	54" (1,372 mm)	97" (2,464 mm)	34.8" (884 mm)	66.6" (1,692 mm)
39HSER6	213	19.8	71.4	6.6	6	60" (1,524 mm)	102.8" (2,611 mm)	36.8" (925 mm)	73.6" (1,869 mm)

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