



HOFFMAN & LAMSON

Vacuum Systems



by Gardner Denver

“S” Type Collectors

Capture, separate and filter solids from conveying air with the HOFFMAN & LAMSON “S” Type primary and secondary collectors.

RUGGED DESIGN

- > Heavy gauge, carbon steel construction withstands high vacuums, mechanical loads and adverse environments
- > Dust buckets or cone bottoms facilitate solids removal
- > Large access doors permit easy inspection and replacement of dust bags
- > Leg or saddle support mounting provides the optimum fit with your plant layout
- > Electric or manually operated bag shakers clean dust bags during system shutdown

CUSTOMIZE YOUR SYSTEM

HOFFMAN & LAMSON “S” Type Separators offer many options for customizing your system to accommodate nearly any application.

- > Discharge valves - all types
- > Easily replaceable wearplates
- > Level indicators
- > Debridging devices
- > HEPA filters
- > Variety of filter bags - Nomex, sateen, polyester, polypropylene



Primary Collector

An “S” Type Primary Collector receives the solids-laden air directly from the piping system. Entering tangentially near the top of the unit, the dust mixture is directed around a cylindrical baffle. The resulting cyclonic motion causes heavier material to fall to the bottom of the tank. There it can be continuously discharged or retained for future disposal. The greater the density of the solid particles, the greater the amount retained in the primary collector... often up to 95%. Primary collectors are available with legs or saddle supports and can be furnished with dust buckets or cone bottoms and discharge valves.

Secondary Collector

“S” Type Secondary Collectors use multiple tubular dust bags to trap fine materials not captured by the primary unit. The bags are available in a wide variety of fabrics to handle your plant's separation needs. The proper bag selection for your application will result in highly effective filtration. Dust bags may be cleaned manually or automatically on system shutdown. Mounting and material discharge configurations are similar to those available on primary collectors.



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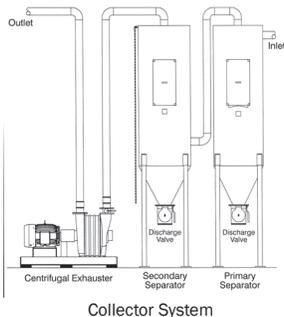
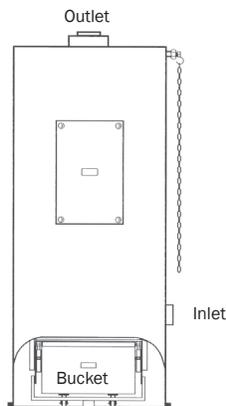
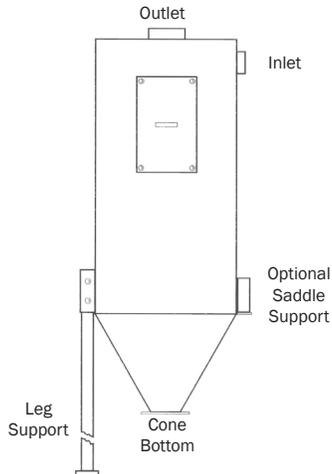


info.hoffmanlamson@gardnerdenver.com | www.HoffmanLamson.com

HOFFMAN & LAMSON "S" TYPE COLLECTORS

Primary Collector

Specifications and Dimensions



	S1B	S2B	S4B	S5B	S6B
Dust Bucket Models					
Dust Bucket Vol – Ft ³	1.5	3.0	4.0	6.0	7.5
Diameter (in)	26	33	40	50	60
Height (in)	81 1/8	82 1/8	112 3/16	137 3/16	150 5/16
Base Width (in)	28 1/8	35 1/4	42 1/4	52 1/4	-
Base Depth (in)	29 1/8	36 1/8	43 1/8	53 1/8	-
Leg No. & Radius (in)	-	-	-	-	3, 29 3/4
Side Wall Thickness	14 GA	12 GA	12 GA	10 GA	7 GA
Top Wall Thickness	11 GA	10 GA	7 GA	7 GA	5/16 in
Cone Bottom Models					
Cone Vol – Ft ³	2.3	4.7	8.3	16.5	28.5
Total Vol – Ft ³	16.4	25.5	56.4	114.3	162.7
Diameter (in)	26	33	40	50	60
Height (in)	142 1/8	149 1/8	179 3/16	213 3/16	221 13/16
Leg No. & Radius (in)	3, 16 3/8	3, 16 3/8	3, 19 3/8	4, 24 3/8	4, 29 3/4
Drum Opening (in)	26 1/2	26 1/2	31 7/8	31 1/2	37 5/8
Saddle No. & Radius (in)	4, 14 7/8	4, 18 3/8	4, 22 1/2	4, 27 9/16	4, 32 7/8
Side Wall Thickness	12 GA	12 GA	11 GA	7 GA	7 GA
Top Wall Thickness	11 GA	10 GA	7 GA	7 GA	5/16 in

Secondary Collector

Specifications and Dimensions

	S1A	S2A	S3A	S4A	S5A	S6A
Dust Bucket Models						
Dust Bucket Vol – Ft ³	1.5	3.0	4.0	4.0	6.0	7.5
No. Dust Bags	7	14	19	19	32	56
Bag Area – Ft ²	35	70	124	158	312	546
Diameter (in)	26	33	40	40	50	60
Height (in)	81 1/8	82 1/8	100 3/16	112 3/16	137 3/16	150 5/16
Base Width (in)	28 1/8	35 1/8	42 1/4	42 1/4	52 1/4	-
Base Depth (in)	29 1/8	36 1/8	43 1/8	43 1/8	53 1/8	-
Leg No. & Radius (in)	-	-	-	-	-	3, 29 3/4
Side Wall Thickness	14 GA	12 GA	12 GA	12 GA	10 GA	7 GA
Top Wall Thickness	11 GA	10 GA	7 GA	7 GA	7 GA	5/16 in
Cone Bottom Models						
Cone Vol – Ft ³	2.3	4.7	8.4	8.4	16.5	28.5
Total Vol – Ft ³	16.1	27.9	44	53.5	111.9	165.9
No. Dust Bags	7	14	19	19	32	56
Bag Area – Ft ²	35	70	124	158	312	546
Diameter (in)	26	33	40	40	50	60
Height (in)	141 1/8	148 1/8	166 1/4	178 1/4	212	223 3/4
Leg No. & Radius (in)	3, 16 3/8	3, 16 3/8	3, 19 3/8	3, 19 3/8	4, 24 3/8	4, 29 3/4
Drum Opening (in)	26 1/2	26 1/2	31 7/8	31 7/8	31 1/2	37 5/8
Saddle No. & Radius (in)	4, 14 7/8	4, 18 3/8	4, 22 1/2	4, 22 1/2	4, 27 9/16	4, 32 7/8
Side Wall Thickness	14 GA	12 GA	12 GA	12 GA	10 GA	7 GA
Top Wall Thickness	11 GA	10 GA	7 GA	7 GA	7 GA	5/16 in



GARDNER DENVER NASH, LLC

tel: +1 724 239 1500

info.hoffmanlamson@gardnerdenver.com

www.HoffmanLamson.com