

Extreme Duty Filtration

SpinMeister™ SM Series

Application

Intake air is drawn through the angled louver plates which direct the air to turn the rotor. The centrifugal force separates the contaminants from the airstream, throwing them to the outer perimeter of the cover, expelling them through the discharge port. Cleaner air is drawn to the lower chamber and filtered by a 99% efficient pleated element.

Benefits

- Extreme duty filtration for high dust environments
- Significantly increases life of filter element
- Cost effective

Features

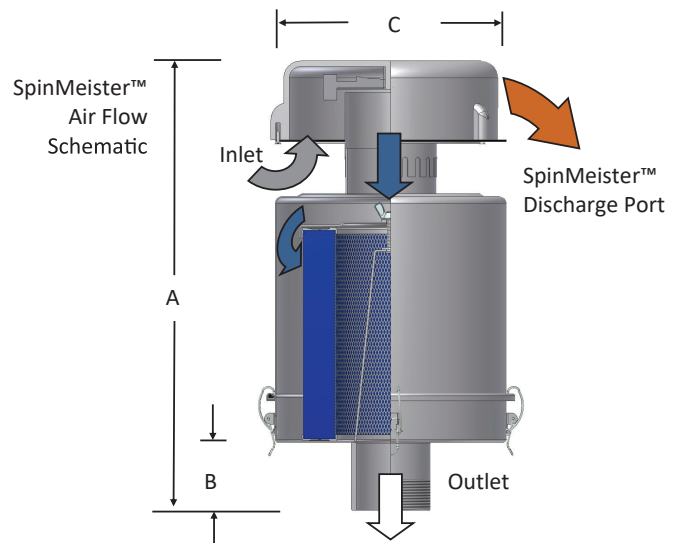
- SpinMeister™ made of molded fiber filled composite material
- All small compact filters with seamless housings
- Corrosion resistant carbon steel housing construction
- Powder coat finish (filter element housing)

Technical Specifications

- Filter change out differential: 15-20" H₂O over initial ΔP
- Polyester: 99%+ removal efficiency to 5 micron
- Paper: 99%+ removal efficiency to 2 micron
- SpinMeister™ Precleaner: 85% efficiency to 15 micron

Options

- Tap holes available
- SpinMeisters™ available in polished aluminum
- Selected housings available in stainless steel
- Modify to meet specific application



Rev: SM-US1808K

SpinMeister™ SM Series



Configuration A



Configuration B



Configuration C



Configuration D

Configuration A		Assembly SCFM Rating	Assembly Part Number		Dimensions - inches			Approx. Weight lbs.	Replacement Element Part No.		Element SCFM Rating
Outlet Size	Type		Polyester	Paper	A	B	C		Polyester	Paper	
½"	MPT	30	SM1.5-11-050	SM1.5-10-050	6 1/16"	7/8"	4 1/8"	1.5	11	10	35
¾"	MPT	30	SM1.5-11-075	SM1.5-10-075	7 1/4"	1 1/4"	4 1/8"	1.5	11	10	35
½"	MPT	35	SM2-11-050	SM2-10-050	7 3/8"	7/8"	4 1/8"	2	11	10	35
¾"	MPT	35	SM2-11-075	SM2-10-075	8 1/2"	1 1/4"	5	2	11	10	35
1"	MPT	35	SM2-11-100	SM2-10-100	8 1/2"	1 1/4"	5	2	11	10	35

Configuration B

Outlet Size	Type	Assembly SCFM Rating	Polyester Part No.	Paper Part No.	A	B	C	Approx. Weight lbs.	Polyester	Paper	Element SCFM Rating
1"	MPT	75	SM2-19P-100	SM2-18P-100	11 13/16"	1	6 7/8"	1.5	19P	18P	100
1 ½"	MPT	85	SM2-19P-150	SM2-18P-150	11 13/16"	2	7 1/2"	3.7	19P	18P	100
2"	MPT	100	SM2-19P-200	SM2-18P-200	12 5/16"	2 1/2"	7 1/2"	4	19P	18P	100
2 ½"	MPT	100	SM2-19P-250	SM2-18P-250	12 13/16"	3	7 1/2"	4	19P	18P	100

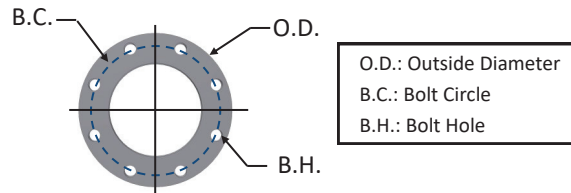
Configuration C

Outlet Size	Type	Assembly SCFM Rating	Polyester Part No.	Paper Part No.	A	B	C	Approx. Weight lbs.	Polyester	Paper	Element SCFM Rating
3"	MPT	250	SM3-235P-300	SM3-234P-300	20 7/16"	3	11	31	235P	234P	570
3"	MPT	300	SM4-235P-300	SM4-234P-300	19 1/2"	3	11	32	235P	234P	570
4"	MPT	250	SM3-235P-400	SM3-234P-400	21 7/16"	4	11	32	235P	234P	570
4"	MPT	400	SM4-235P-400	SM4-234P-400	20 1/2"	4	11	33	235P	234P	570
4"	FLG	250	SM3-235P-400F	SM3-234P-400F	19 1/16"	3	11	35	235P	234P	570
4"	FLG	400	SM4-235P-400F	SM4-234P-400F	20 1/2"	4	11	36	235P	234P	570

Configuration D

Outlet Size	Type	Assembly SCFM Rating	Polyester Part No.	Paper Part No.	A	B	C	Approx. Weight lbs.	Polyester	Paper	Element SCFM Rating
6"	FLG	1100	SM62-377P-600F	SM62-376P-600F	40	5	25 1/4"	100	377P	376P	1825
8"	FLG	1800	SM62-377P-800F	SM62-376P-800F	41 1/8"	6	25 1/4"	103	377P	376P	1825
10"	FLG	2700	SM63-385P-1000F	SM63-384P-1000F	40 13/16"	6	28 7/8"	138	385P	384P	3295
12"	FLG	2700	SM63-485P-1200F	SM63-484P-1200F	40 13/16"	6	28 7/8"	163	485P	484P	4705

125/150# Pattern Flg.	Dimensions - inches			No. of Holes	Flange Thickness
	O.D.	B.C.	B.H.		
4"	9	7 1/2"	0.75	8	0.5
5"	10	8 1/2"	0.88	8	0.5
6"	11	9 1/2"	0.88	8	0.5
8"	13 1/2"	11 3/4"	0.88	8	0.5
10"	16	14 1/4"	1	12	0.5
12"	19	17	1	12	0.5



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All model offerings and design parameters are subject to change without prior notice. Contact your representative or Solberg for the most current information.