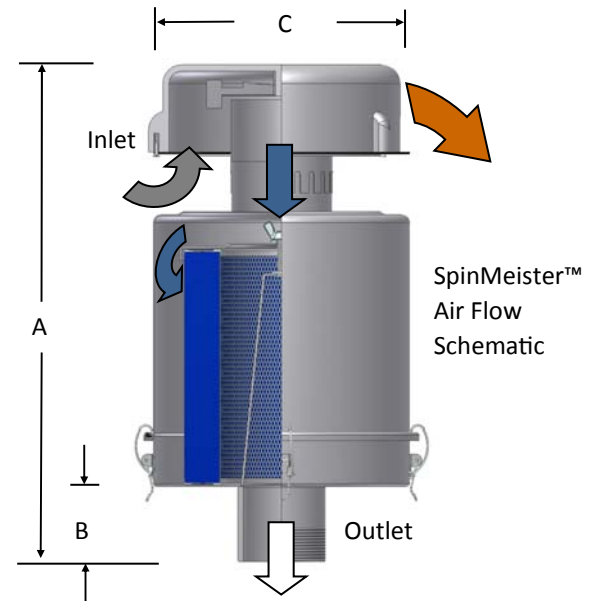


# Extreme Duty Filtration SpinMeister™ SM Series



Filter Assemblies

## Operating Principle

Intake air is drawn through the angled louver plates which direct 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 is filtered by a 99% efficient pleated element.

## Features

- SpinMeister™ made of molded fiber filled composite material
- Heavy gauge base with low pressure drop design
- Durable carbon steel housing construction
- All small compact filters with seamless drawn housing

## Options

- 1/8" tap holes available for 3" and larger connections
- SpinMeisters™ available in polished aluminum
- Selected housings available in stainless steel
- Modify to meet specific application

## Benefits

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

## Technical Specifications

- Temp (continuous): min -15°F (-26°C) max 220°F(104°C)
- Filter change out differential: 15-20" H<sub>2</sub>O over initial ΔP
- Polyester: 99%+ removal efficiency to 5 micron
- Paper: 99%+ removal efficiency to 2 micron
- SpinMeister Precleaner: 85% efficiency to 15 micron

Note: Model offerings and design parameters may change without notice. See [www.solbergmfg.com](http://www.solbergmfg.com) for most current offering.



Config. A

Config. B

Config. C

Config. D

### Configuration A

Outlet Size	Outlet Type	Assembly SCFM Rating	Assembly Part Number		Dimensions - inches			Approx. Wt. lbs	Replacement Element Part No.		Element SCFM Rating
			Polyester	Paper	A	B	C		Polyester	Paper	
1/2"	MPT	30	SM1.5-11-050	SM1.5-10-050	7 3/8	7/8	4 1/8	1.5	11	10	35
3/4"	MPT	30	SM1.5-11-075	SM1.5-10-075	7 3/4	1 1/4	4 1/8	1.5	11	10	35
1/2"	MPT	40	SM2-11-050	SM2-10-050	7 3/8	7/8	4 1/8	2	11	10	35
3/4"	MPT	40	SM2-11-075	SM2-10-075	7 3/4	1 1/4	4 1/8	2	11	10	35
1"	MPT	40	SM2-11-100	SM2-10-100	7 3/4	1 1/4	4 1/8	2	11	10	35

### Configuration B

Outlet Size	Outlet Type	Assembly SCFM Rating	Assembly Part Number		Dimensions - inches			Approx. Wt. lbs	Replacement Element Part No.		Element SCFM Rating
			Polyester	Paper	A	B	C		Polyester	Paper	
1-1/2"	MPT	85	SM2-19P-150	SM2-18P-150	10 3/4	1 5/8	7	3.7	19P	18P	100
2"	MPT	100	SM2-19P-200	SM2-18P-200	11 3/8	2 1/4	7	4	19P	18P	100
2-1/2"	MPT	110	SM2-19P-250	SM2-18P-250	11 5/8	2 1/2	7	4	19P	18P	100

### Configuration C

Outlet Size	Outlet Type	Assembly SCFM Rating	Assembly Part Number		Dimensions - inches			Approx. Wt. lbs	Replacement Element Part No.		Element SCFM Rating
			Polyester	Paper	A	B	C		Polyester	Paper	
3"	MPT	250	SM3-235P-300	SM3-234P-300	18 3/4	3	11	31	235P	234P	570
3"	MPT	300	SM4-235P-300	SM4-234P-300	19 5/8	3	11	32	235P	234P	570
4"	MPT	250	SM3-235P-400	SM3-234P-400	19 3/4	4	11	32	235P	234P	570
4"	MPT	400	SM4-235P-400	SM4-234P-400	20 5/8	4	11	33	235P	234P	570
4"	FLG	250	SM3-235P-400F	SM3-234P-400F	19 3/4	4	11	35	235P	234P	570
4"	FLG	400	SM4-235P-400F	SM4-234P-400F	20 5/8	4	11	36	235P	234P	570

### Configuration D

Outlet Size	Outlet Type	Assembly SCFM Rating	Assembly Part Number		Dimensions - inches			Approx. Wt. lbs	Replacement Element Part No.		Element SCFM Rating
			Polyester	Paper	A	B	C		Polyester	Paper	
6"	FLG	1100	SM62-377P-600F	SM62-376P-600F	30 1/2	5	22 1/2	100	377P	376P	1825
8"	FLG	1800	SM62-377P-800F	SM62-376P-800F	31 1/2	6	22 1/2	103	377P	376P	1825
10"	FLG	2700	SM63-385P-1000F	SM63-384P-1000F	30 1/2	6	28 1/2	138	385P	384P	3295
12"	FLG	2700	SM63-485P-1200F	SM63-484P-1200F	37 1/2	6	28 1/2	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	0.38
<b>5"</b>	<b>10</b>	<b>8 1/2</b>	<b>0.88</b>	<b>8</b>	<b>0.38</b>
6"	11	9 1/2	0.88	8	0.38
<b>8"</b>	<b>13 1/2</b>	<b>11 3/4</b>	<b>0.88</b>	<b>8</b>	<b>0.38</b>
10"	16	14 1/4	1	12	0.38
<b>12"</b>	<b>19</b>	<b>17</b>	<b>1</b>	<b>12</b>	<b>0.5</b>

