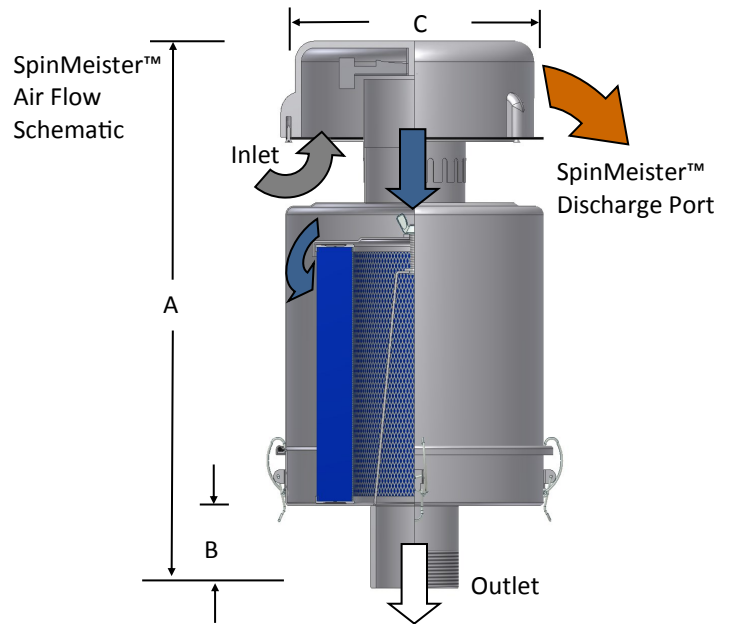


# Extreme Duty Filtration SM Series SpinMeister™



## Operating Principle

Intake air is drawn through the angled louver plates which direct the air to turn the rotors. 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 into the lower chamber and is filtered by a 99% efficient pleated element.

## Features

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

## Options

- Tap holes available
- 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 -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 37-50 mbar over initial  $\Delta P$
- Polyester: 99%+ removal efficiency to 5 micron
- Paper: 99%+ removal efficiency to 2 micron
- SpinMeister™ Precleaner: 85% efficiency to 15 micron



Configuration A



Configuration B



Configuration C



Configuration D

### Configuration A

Outlet Size	Outlet Type	Assembly m <sup>3</sup> /h Rating	Assembly Part Number		Dimensions - mm			Approx. Weight kg	Replacement Element Part No.		Element m <sup>3</sup> /h Rating
			Polyester	Paper	A	B	C		Polyester	Paper	
1/2"	MPT	51	SM1.5-11-050	SM1.5-10-050	170	22	105	0.7	11	10	59
3/4"	MPT	51	SM1.5-11-075	SM1.5-10-075	183	32	105	0.7	11	10	59
1/2"	MPT	59	SM2-11-050	SM2-10-050	187	22	105	0.9	11	10	59
3/4"	MPT	59	SM2-11-075	SM2-10-075	217	32	129	0.9	11	10	59
1"	MPT	59	SM2-11-100	SM2-10-100	216	32	129	0.9	11	10	59

### Configuration B

Outlet Size	Outlet Type	Assembly m <sup>3</sup> /h Rating	Assembly Part Number		Dimensions - mm			Approx. Weight kg	Replacement Element Part No.		Element m <sup>3</sup> /h Rating
			Polyester	Paper	A	B	C		Polyester	Paper	
1	MPT	169	SM2-19P-100	SM2-18P-100	300	25	175	1.5	19P	18P	170
1-1/2"	BSPT	145	SM2-19P-151	SM2-18P-151	300	51	191	1.7	19P	18P	170
2"	BSPT	170	SM2-19P-201	SM2-18P-201	312	64	191	1.8	19P	18P	170
2-1/2"	BSPT	170	SM2-19P-251	SM2-18P-251	325	76	191	1.8	19P	18P	170

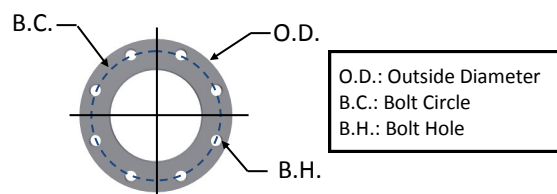
### Configuration C

Outlet Size	Outlet Type	Assembly m <sup>3</sup> /h Rating	Assembly Part Number		Dimensions - mm			Approx. Weight kg	Replacement Element Part No.		Element m <sup>3</sup> /h Rating
			Polyester	Paper	A	B	C		Polyester	Paper	
3"	BSPT	425	SM3-235P-301	SM3-234P-301	519	102	279	14	235P	234P	968
4"	BSPT	425	SM3-235P-401	SM3-234P-401	544	102	279	14	235P	234P	968
4"	BSPT	680	SM4-235P-401	SM4-234P-401	522	102	279	15	235P	234P	968
DN80	FLG	425	SM3-235P-DN80	SM3-234P-DN80	502	102	279	16	235P	234P	968
DN100	FLG	425	SM3-235P-DN100	SM3-234P-DN100	499	76	279	16	235P	234P	968
DN100	FLG	680	SM4-235P-DN100	SM4-234P-DN100	522	102	279	16	235P	234P	968

### Configuration D

Outlet Size	Outlet Type	Assembly m <sup>3</sup> /h Rating	Assembly Part Number		Dimensions - mm			Approx. Weight kg	Replacement Element Part No.		Element m <sup>3</sup> /h Rating
			Polyester	Paper	A	B	C		Polyester	Paper	
DN150	FLG	1360	SM62-377P-DN150	SM62-376P-DN150	775	127	572	40	377P	376P	3100
DN200	FLG	3060	SM62-377P-DN200	SM62-376P-DN200	1044	152	641	46	377P	376P	3100
DN250	FLG	4590	SM63-385P-DN250	SM63-384P-DN250	1037	152	733	62	385P	384P	5598
DN300	FLG	4590	SM63-485P-DN300	SM63-484P-DN300	1037	152	733	73	485P	484P	7993

PN10 Pattern Flange	Dimensions - mm			No. of Holes	Thickness Flg mm
	O.D.	B.C.	B.H.		
DN80	200	160	18	8	20
DN100	220	180	18	8	20
DN125	250	210	18	8	22
DN150	285	240	22	8	22
DN200	340	295	22	8	24
DN250	395	350	22	12	26
DN300	445	400	22	12	26



Note: Model offerings & design parameters may change without notice. Contact Solberg for CAD drawings or see [www.solbergmfg.com](http://www.solbergmfg.com).