

# Extreme Duty Filters

## SpinMeister<sup>®</sup> SM Series 1/2" - 4", DN80 - DN300

### Overview

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

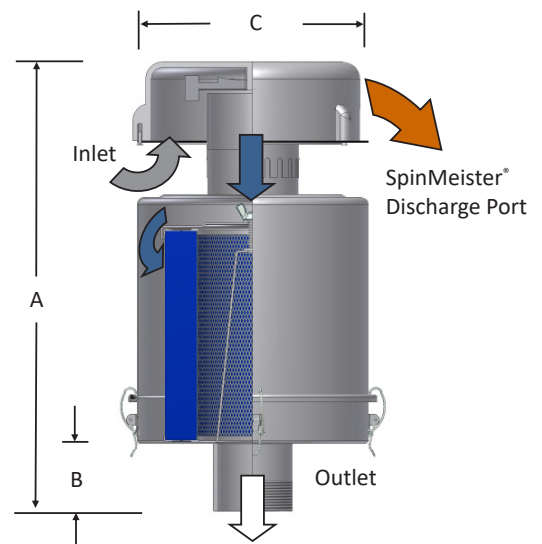
- SpinMeister<sup>®</sup> made of molded fiber filled composite material
- All small compact filters with seamless housings
- Corrosive resistant gray powder coat carbon steel

### 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<sup>®</sup> Precleaner: 85% efficiency to 15 micron

### Options

- Tap holes available
- SpinMeister<sup>®</sup> available in polished aluminum
- Selected housings available in stainless steel
- Modify to meet specific application



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Configuration A



Configuration B



Configuration C



Configuration D

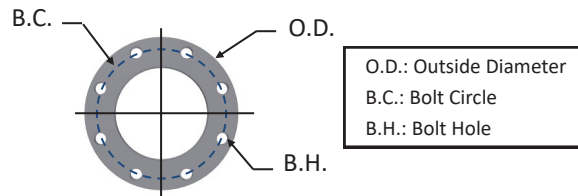
Configuration A		Assembly m <sup>3</sup> /hr Rating	Assembly Part Number		Dimensions - mm			Suggested Service ht. mm	Approx. Weight (kg)	Replacement Element Part No.		Element m <sup>3</sup> /hr Rating
Outlet Size	Type		Polyester	Paper	A	B	C			Polyester	Paper	
½"	MPT	51	SM1.5-11-050	SM1.5-10-050	177	23	105	35	0.7	11™	10™	59
¾"	BSPT	51	SM1.5-11-076	SM1.5-10-076	183	31	105	35	0.7	11™	10™	59
½"	MPT	59	SM2-11-050	SM2-10-050	191	23	122	35	0.9	11™	10™	59
¾"	BSPT	59	SM2-11-076	SM2-10-076	212	31	122	35	0.9	11™	10™	59
1"	BSPT	59	SM2-11-101	SM2-10-101	207	31	122	35	0.9	11™	10™	59

Configuration B												
1"	BSPT	169	SM2-19P-101	SM2-18P-101	300	51	175	121	1.7	19P®	18P™	170
1 ¼"	BSPT	169	SM2-19P-126	SM2-18P-126	300	51	175	121	1.7	19P®	18P™	170
1 ½"	BSPT	145	SM2-19P-151	SM2-18P-151	300	51	175	121	1.7	19P®	18P™	170
2"	BSPT	170	SM2-19P-201	SM2-18P-201	312	64	175	121	1.8	19P®	18P™	170
2 ½"	BSPT	170	SM2-19P-251	SM2-18P-251	325	76	175	121	1.8	19P®	18P™	170

Configuration C												
3"	BSPT	425	SM3-235P-301	SM3-234P-301	525	76	279	245	14	235P™	234P™	968
4"	BSPT	425	SM3-235P-401	SM3-234P-401	544	102	279	245	14	235P™	234P™	968
4"	BSPT	680	SM4-235P-401	SM4-234P-401	520	102	279	245	15	235P™	234P™	968
DN80	FLG	425	SM3-235P-DN80	SM3-234P-DN80	522	86	279	245	16	235P™	234P™	968
DN100	FLG	425	SM3-235P-DN100	SM3-234P-DN100	541	105	279	245	16	235P™	234P™	968
DN100	FLG	680	SM4-235P-DN100	SM4-234P-DN100	522	102	279	245	16	235P™	234P™	968

Configuration D												
DN150	FLG	1360	SM62-377P-DN150	SM62-376P-DN150	1023	137	508	370	40	377P™	376P™	3100
DN200	FLG	3060	SM62-377P-DN200	SM62-376P-DN200	1039	152	508	370	46	377P™	376P™	3100
DN250	FLG	4590	SM63-385P-DN250	SM63-384P-DN250	1052	162	719	370	62	385P™	384P™	5598
DN300	FLG	4590	SM63-485P-DN300	SM63-484P-DN300	1221	152	719	546	73	485P™	484P™	7993

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



See Filter Assembly Technical Data for sizing guidelines.

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