

Panel Filter Elements

For Compressor, Blower, and Turbine Intakes

- Interchange w/Orig. Equipment
- Rugged Construction
- Significant Savings
- Handling Straps
- Face Guards
- Long Life

These panels have proven their exceptional performance and value in replacing existing panel filters. Unlike HVAC filters, these high efficiency filters remove the very fine dust and dirt particles your eyes can't see, from 25 to 0.3 micron... protection required to serve engines, blowers, axial compressors, and turbines... with high efficiency, and low ΔP.

OEM Cat#	OEM Brand	Sparks™ Cat#	OEM Cat#	OEM Brand	Sparks™ Cat#	OEM Cat#	OEM Brand	Sparks™ Cat#
11293	IFM	329-9928	45005	Snshn	329-9927	CP4364	IFM	329-9927
12005	IFM	329-9929	45006	Snshn	329-9925	P0540009-189	Joy	329-9928
12099	IFM	329-9929	45007	Snshn	329-9926	P0540009-190	Joy	329-9927
12164	IFM	329-9927	45008	Snshn	329-9927	P0540009-361	Joy	329-9926
12166	IFM	329-9925	45010	Snshn	329-9925	P0540009-362	Joy	329-9925
15752	Cnslr/Graver	329-9925	45022	Snshn	329-9876K5	P0540009-491	Joy	329-9929
15753	Cnslr/Graver	329-9926	78176	IFM	329-9926	P151	IFM	329-9876
15754	Cnslr/Graver	329-9927	1X2876	IR	329-9928	P20252-90	IFM	329-9876K90
15755	Cnslr/Graver	329-9928	1X2877	IR	329-9927	PF2102100	Nafco	329-9929
15800	Cnslr/Graver	329-9929	1X5573	IR	329-9928	PF2201100	Nafco	329-9928
15860	Cnslr/Graver	329-9929	1X5575	IR	329-9926	PF2212020	Nafco	329-9927
15937	Cnslr/Graver	329-9928	1X5577	IR	329-9929	PF2302040	Nafco	329-9929
16100	Cnslr/Graver	329-9925	1X6410	IR	329-9929	PF2306020	Nafco	329-9926
16101	Cnslr/Graver	329-9926	1X7169	IR	329-9925	PF2312003	Nafco	329-9925
16102	Cnslr/Graver	329-9927	1X8258	IR	329-9928	VE-1103-2424-093	Dlngr	329-9928
18008	Cnslr/Graver	329-9929	1X8259	IR	329-9875	VE-1113-2424-005	Dlngr	329-9929
20523	Cnslr/Graver	329-9929	1X8260	IR	329-9929	VE-1113-2424-099	Dlngr	329-9929
45001	Snshn	329-9928	1X9589	IR	329-9929	VE-1304-2424-176	Dlngr	329-9926
45002	Snshn	329-9928	81-0165	Univ	329-9876K200	VE-1305-2424-164	Dlngr	329-9927
45003	Snshn	329-9929	81-0173	Univ	329-9876K5	VE-1305-2424-166	Dlngr	329-9925
45004	Snshn	329-9929	CP4093	IFM	329-9928	VE-1315-2424-178	Dlngr	329-9927
45005	Snshn	329-9875	CP4166	IFM	329-9925	VE-3305-2424-164	Dlngr	329-9927
45009	Snshn	329-9929	CP4276	IFM	329-9926	VE-3305-2424-166	Dlngr	329-9925
						XL-90	AmrAir	329-9927

See <http://www.sparksfilters.com> for more options.



Cat No. 329-9875

- 2nd / Final Stage
- Side Engagement Holes
- 24 x 24 x 12 nominal
- 23.4 x 23.4 x 12 actual
- Galvanized Frame
- 1/4" Gaskets Ea. Face
- Microglass Media
- 2500 CFM Nom. Cap.
- 2µ Retention
- 0.9" W.C. initial.



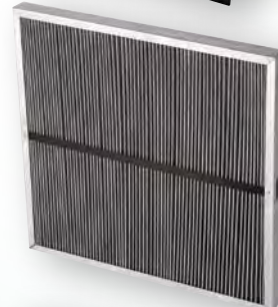
Cat No. 329-9927

- 2nd / Final Stage
- 24 x 24 x 12 nominal
- 23.4 x 23.4 x 12 actual
- Galvanized Frame
- 1/4" Gaskets Ea. Face
- Microglass Media
- 2500 CFM Nom. Cap.
- 2µ Retention
- 0.9" W.C. initial



Cat No. 329-9876

- 1st Stage
- 20 x 25 x 2 nominal
- 19.5 x 24.5 x 1.875 actual
- Galvanized Frame
- Optional Media's
 - #5 Polyester (add K5)
 - #200 Wire Mesh (add K200)
- 2000 CFM Nom. Cap.
- 10-750µ Retention
- 0.9" W.C. initial.



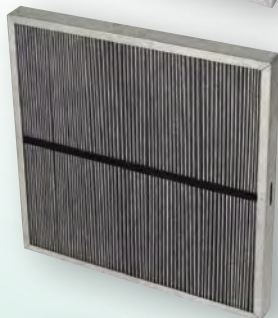
Cat No. 329-9928

- 1st Stage
- 24 x 24 x 1.5 nominal
- 23.5 x 23.5 x 1.5 actual
- Galvanized Frame
- Polyester Media
- Washable / Reusable
- 2500 CFM Nom. Cap.
- 10-25µ Retention
- 0.6" W.C. initial



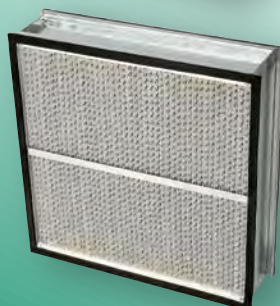
Cat No. 329-9925

- 3rd / Final Stage
- 24 x 24 x 12 nominal
- 23.4 x 23.4 x 12 actual
- Galvanized Frame
- 1/4" Gaskets Ea. Face
- Microglass Media
- 1250 CFM Nom. Cap.
- 0.3µ Retention
- 1" W.C. initial



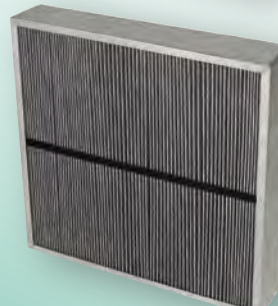
Cat No. 329-9929

- 1st or Single Stage
- 24 x 24 x 2 nominal
- 23.5 x 23.5 x 2 actual
- Galvanized Frame
- Polyester Media
- Washable / Reusable
- 2500 CFM Nom. Cap.
- 4-10µ Retention
- 1.1" W.C. initial



Cat No. 329-9926

- 2nd Stage
- 24 x 24 x 6 nominal
- 23.4 x 23.4 x 6.25 actual
- Galvanized Frame
- 1/4" Gaskets Ea. Face
- Microglass Media
- 1250 CFM Nom. Cap.
- 5µ Retention
- 0.5" W.C. initial



Cat No. 329-9784

- 1st or Single Stage
- 24 x 24 x 4 nominal
- 23.5 x 23.5 x 3.625 actual
- Galvanized Frame
- Various Medias
- 3000 CFM Nom. Cap.
- 10µ Retention
- 1" W.C. initial

Quotation Worksheet - Filter Elements

Print, Fill Out, & FAX Back

Form is also at www.sparksfilters.com **Request A Quote**

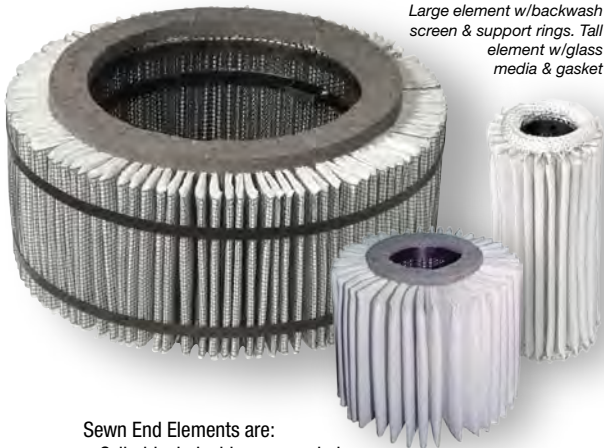
Sparks filter elements are offered in styles and sizes that directly replace OEM elements. We cross reference thousands of filters to assist you in sourcing your replacement needs, while saving you money.

Can you email a digital picture.jpg to: Sales@SparksFilters.com?
 Can you measure the element's ID, OD, OH? If so we can replace it.
 If you only answer the items in red, we can get started.

Your Name _____
 Company _____
 Address _____
 City, State, Zip _____
 Phone _____ Fax _____
 email _____

Is your element a

Sewn End Style ?

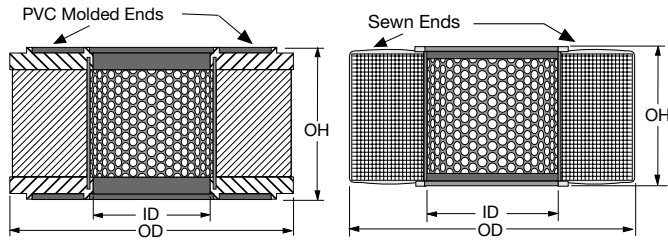


Sewn End Elements are:

- Cylindrical, double open ended.
- Typically four overall heights: 12", 17", 21", or 25".
- Carbon steel (magnetic) or 304SS core. (not magnetic)
- Felt or rope style gasket, die cut or formed.

What end type Is It? (Pick One):

Sewn End _____ Molded End _____ Accordion _____



(Measure ID, OD & OH to closest 1/8 inch)

Inside Diam. of core, or inner support rings.	Outside Diam. ...if it's out of round, measure circumference & divide by 3.14	Overall Height ...set a yardstick across top & measure from underside of the stick to the table or floor.	# of Pleats ±2 ...count a 90° section & multiply by 4.

Are you replacing an existing filter element? _____(Y/N)

Is there a brand name on a tag ? _____

Can you find any part numbers ? _____

Is your element open at both ends? _____(Y/N)

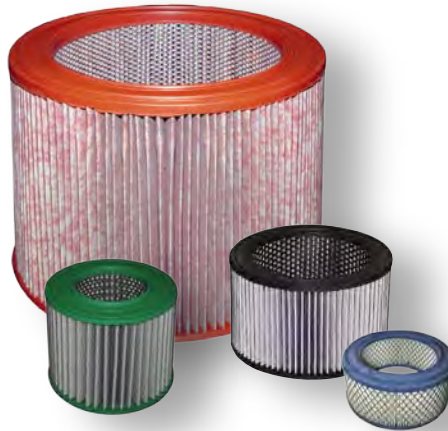
Choose metal parts i.e. center core, rings, wire screens

Coated mild steel [] 304 SS [] . . . or 316 SS []

...carbon steel is magnetic, 304SS and 316SS are not magnetic.

... Or a

Molded End Style ?



Molded End Elements are:

- Cylindrical, double or single open ended.
- Any overall heights.
- Carbon steel (magnetic) or 304SS core (not magnetic)
- Ends are:
 - 1.) Rubber (excellent) or PVC (cheap seats use this)
 - 2.) Silicone (typically red) service to 500°F.

... Or an

Accordion Style ?



Accordion Style Elements are:

- cylindrical, double open ended.
 - Polyester felt filter media.
 - No center core.
- We need only the OH, Fin Depth, and No. of pleats to quote you. There is no "ID"

Filter media (See choices on pg 30) _____

.....#5 (10µ polyester felt) is the most common choice, #7 or #910 close 2nds.

You can mail us a scrap of the existing media if you like.

Do you want a pleated backwash screen ? _____ (Y/N)

... option for Sewn Ends, molded ends include this (unless they are cheap paper)

Do you need internal metal fin spacers ? _____ (Y/N)

... option for Sewn Ends used in liquid service. Quality fin spacers are corrugated.

Operating Temperature? _____ ° F

What fluid are you filtering? _____

...i.e. room air, natural gas, compressor exhaust with oil mist ??

If Molded End Style:

Std. Rubber _____ (Pick one Y/N)

...continuous service to 250°F, intermittently to 350°F, consult us for considerations at elevated temperatures.

OR Aliphatic Hydrocarbon Resistant PVC _____

...continuous service to 200°F, intermittently to 250°F

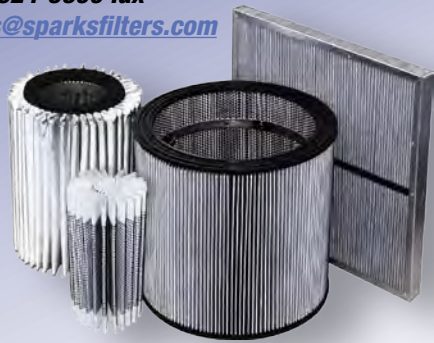
OR RTV Silicone _____

...continuous serve to 450°F, intermittently to 500°F

Other (Metal perhaps, but is that important?) _____

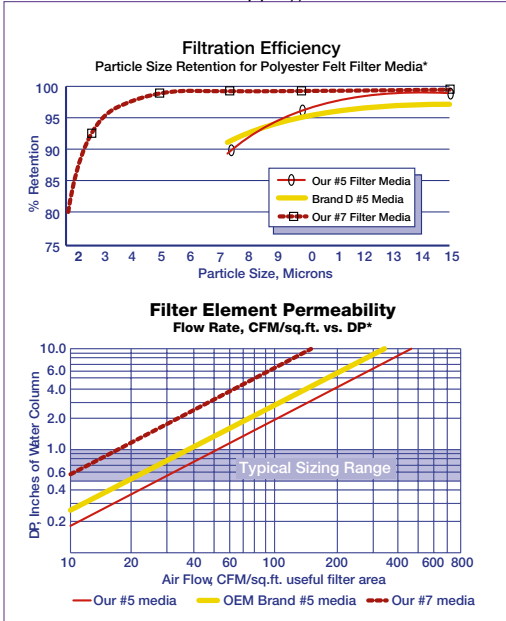
Other comments _____

For more information contact :
SparksFilters 585-624-4500
585-624-5300 fax
E-Mail: Sales@sparksfilters.com



From left to right above, **SEWN END**, **ACCORDION**, **RUBBER MOLDED END**, and **PANEL** filter elements. Each style can be supplied with different filter media, and other variations. Our filter elements surpass the most stringent requirements for long life, low ΔP , positive seals, and maximum air flow in compact and cleanable units. Our molded end filter elements do not require a bothersome expanded metal outer wrap to prevent the handling damage common to lesser paper filter media. Instead, we pleat textile filter media between layers of epoxy coated wire screen to yield a rugged jacketed media with 1/4th the resistance to flow of paper media. Jacketed fins resist collapse, have exceptionally high flow, long life (a year is common), and are unharmed by moisture, vibration, pulse flow, and most other service hazards. This also simplifies cleaning with air guns or spray cleaning units. Element cores are 58% open perforated steel. These cores retain column strength where lesser expanded metal, or woven wire cores fail. **Our molded urethane rubber ends out perform lesser molded PVC ends offered by many competitors.** [See http://www.sparksfilters.com](http://www.sparksfilters.com) for more options.

Filter media: (see table) #5 polyester felt is arguably the most rugged, washable, 10 μ media ever offered. Our #7 polyester medium stops 4 μ particles. Elements with 2 μ #51 fiberglass are rugged, but not washable. Our 0.1 μ HEPA grade #904 medium can stop bacteria. Our #916 medium has 50% activated carbon and can strip away undesirable vapors. Our #910 medium outshines other low cost alternatives at stopping the airborne lint and dirt prevalent

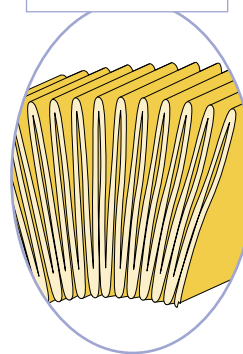


in ambient air sources today. Newest of all, our #907 medium with reverse flow radial fin design effectively coalesces smoke and mists without high ΔP loss!

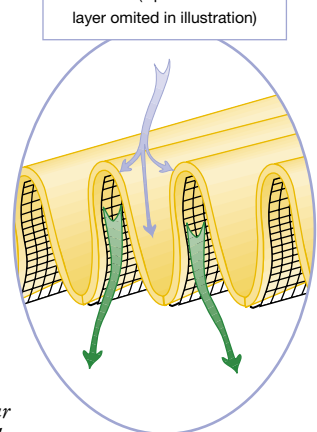
Optional Filter Media

Media Suffix #	Filter Media Description:	Reten.* μ Liq	Reten.* μ Gas	Temp. °F	Style* used in:
1.....	Woven Cotton.....	30.....	≤ 30.....	200.....	S, M
2.....	Rayon Felt.....	> 10.....	200.....	S, M
3.....	Woven Cotton.....	5.....	2.....	200.....	S, M
5.....	Polyester Felt.....	20.....	10.....	300.....	S, M
7.....	Polyester Felt.....	5.....	4.....	300.....	S, M
8.....	Woven Fiberglass.....	15.....	10.....	700.....	S, M
12.....	Cotton Terrycloth.....	20.....	≤ 20.....	200.....	S, M
26.....	304 SS, 100 mesh.....	150.....	150.....	1000.....	M
30.....	304 SS, 200 mesh.....	75.....	75.....	1000.....	M
42.....	Woven Cotton.....	1.....	Not Rated.....	200.....	S, M
47.....	304 SS, 325 mesh.....	40.....	40.....	1000.....	M
51.....	Fiberglass Felt, Yellow.....	> 1.....	1.....	450.....	M
59.....	Woven Nylon.....	5.....	≤ 5.....	250.....	S, M
60.....	Woven Nylon.....	45.....	≤ 45.....	250.....	S, M
61.....	304SS, 200 x 1400 mesh.....	15.....	15.....	1000.....	M
62.....	304SS, 325 x 2300 mesh.....	10.....	10.....	1000.....	M
63.....	Fiberglass Locked/Felt.....	> 1.5.....	1.5.....	500.....	S, M
64.....	Polyester Felt.....	5.....	4.....	300.....	S, M
65.....	Woven Nylon.....	90.....	≤ 90.....	250.....	S, M
66.....	Woven Polyester.....	2.....	Not Rated.....	300.....	S, M
69.....	Dynel, woven.....	2.....	Not Rated.....	200.....	S, M
72.....	Polyester Felt.....	2.....	2.....	300.....	S, M
85.....	Woven Teflon®.....	10.....	≤ 10.....	450.....	S, M
86.....	Teflon Felt.....	10.....	5.....	450.....	S, M
90.....	Polyester Felt.....	Not Rated.....	Not Rated.....	300.....	M
99.....	Polyester Felt - Now a misnomer. Depending upon OEM brand, is either #5 or #7 media. Order #7 media if du is needed.				
100.....	Woven Polypropylene.....	15.....	10.....	175.....	S, M
101.....	Woven Polypropylene.....	10.....	5.....	175.....	S, M
102.....	Woven Polypropylene.....	5.....	3.....	175.....	S, M
103.....	Woven Polypropylene.....	1.....	1.....	175.....	S, M
105.....	Fiberglass Felt, Pink.....	> 2.....	2.....	450.....	M
108.....	Fiberglass Felt, Pink.....	> 0.3.....	0.3.....	450.....	M
111.....	304SS, 50 mesh.....	280.....	280.....	1000.....	M
135.....	Woven Fiberglass.....	6.....	3.....	700.....	S, M
139.....	Nomex Felt.....	10.....	5.....	450.....	S, M
142.....	Polypropylene Felt.....	10.....	5.....	175.....	S, M
169.....	Polyester Felt.....	20.....	10.....	300.....	S, M
200.....	Galv. C.S. mesh.....	750.....	750.....	500.....	M
212.....	Rayon/Nylon Felt.....	50.....	50.....	200.....	S, M
214.....	Rayon/Nylon Felt.....	100.....	100.....	200.....	S, M
418.....	Woven Polyester.....	75.....	75.....	300.....	S, M
703.....	Woven Virgin Teflon®.....	10.....	10.....	450.....	S, M
704.....	Woven Polyester.....	10.....	8.....	300.....	S, M
900.....	Paper / Microglass.....	0.5.....	0.3 abs.....	180.....	M
904.....	Microglass.....	0.5.....	0.1.....	400.....	M
906.....	Microglass combination.....	> 1.....	1.....	200.....	M
907.....	Microglass combination.....	> 0.3.....	≤ 0.3.....	200.....	M
910.....	Polyester/Cotton Felt.....	> 40.....	40.....	300.....	M
916.....	Activ. Carbon/Glass.....	Not Rated.....	Not Rated.....	200.....	M
920.....	Treated Microglass.....	Not Rated.....	1.5.....	400.....	M
921.....	Poly/Glass.....	Not Rated.....	0.1.....	200.....	M
923.....	Polypropylene.....	Not Rated.....	25.....	175.....	M
924.....	Poly/Glass.....	Not Rated.....	< 0.3.....	200.....	M
926.....	Poly/Glass.....	Not Rated.....	< 0.3.....	200.....	M
927.....	Poly/Glass.....	Not Rated.....	< 0.3.....	200.....	M
928.....	304SS mesh, 50 x 200.....	Not Rated.....	60.....	700.....	M
931.....	PTFE Finished Microglass.....	Not Rated.....	4.....	500.....	S, M
932.....	Polyester Felt.....	40.....	25.....	300.....	S, M
..... Call Us For Many Additional Special Purpose Filter Medium.....					
..... * S = Sewn End, M = Molded End.....					

Typical Cellulosic (paper) Media



Fin Design of Textile Media (Upstream screen layer omitted in illustration)



Breathing Room...

Do you really care if dirt gets past your filter? Is it worth trying to save a buck on paper rather than rugged textile media? Oddly enough, paper elements cost much more in the long run. Paper pleats crack where you can't see. The light bulb trick won't reveal the failure(s) either. Moisture can ruin paper. And, be very careful of vibration or handling damage. Elements with high performance textile media benefit from 1/3rd the resistance to flow of paper media. They allow open pleat spacing, higher dirt holding capacity, are practical to clean, have lower ΔP , and longer life. Rugged polyester felt media won't crack, tolerates being soaking wet, and takes a beating. Protect your equipment, use textile media.