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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.....	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.....					

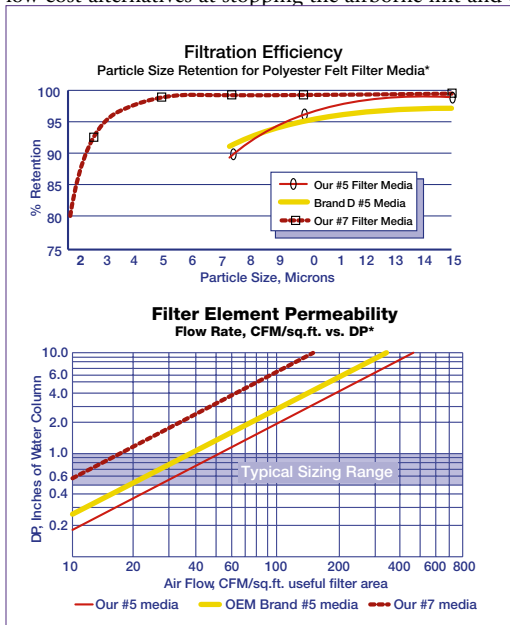
From left to right above, **SEWN END**, **ACCORDION**, **RUBBER MOLDED END**, and **PANEL** filter elements.

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> for more options.

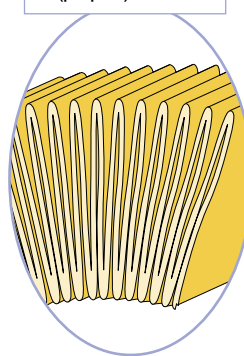
Filter media: (see table) #5 polyester felt is arguably the most rugged, washable, 10μ media ever offered. Our #7 polyester medium stops 4μ particles. Elements with 2μ #51 fiberglass are rugged, but not washable. Our 0.1μ HEPA grade #904 medium can stop bacteria. Our #916 medium has 50% activated carbon 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!

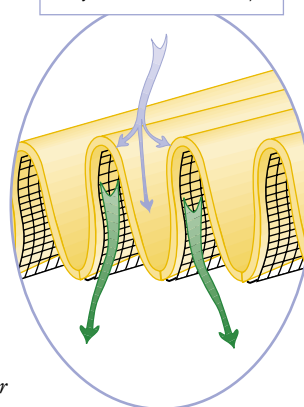


* Instrumentation- HIAC 4100/1100 sensor; Efficiency counts/250 cu.ft.

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.