



AIR & GAS CARTRIDGE FILTERS

SPI-5000™ Series
SparksFilters™

SparksFilters™, SPI-5000™ Series filter cartridges are engineered for increased service life, designed to meet or exceed OEM specifications, and are compatible with original equipment, allowing for seamless integration.



Overview

Since 1982, Shawndra Products™, Inc. has been a trusted leader in providing high-quality air and gas filters for critical industrial applications. The innovative SparksFilters™ SPI-5000™ Series cartridge filters are specifically engineered for compatibility with traditional cartridge style filter housings, separators, and coalescers. Backed by cutting-edge manufacturing techniques, rigorous third-party independent testing, and decades of engineering and manufacturing expertise, SPI-5000™ cartridge filters deliver unparalleled advantages.

With an expanded surface area, SPI-5000™ cartridge filters ensure smooth flow, significantly reducing resistance and optimizing operational efficiency. These filters excel in removing liquid aerosol and solid contaminants from air and gas applications, achieving exceptional removal efficiencies. Moreover, their extended lifespan translates to substantial cost savings and minimized maintenance needs.

Designed for use in Sparks™ PC and RC Series filter housings, SPI-5000™ cartridge filter elements seamlessly replace cartridges used in other brands such as Peco, Pall, Jonell, King Tool, Peerless, Facet, Fil-Trek, and more. Every SPI-5000™ cartridge filter element is meticulously designed to meet or exceed the filtration performance criteria outlined in the original OEM filter specifications.

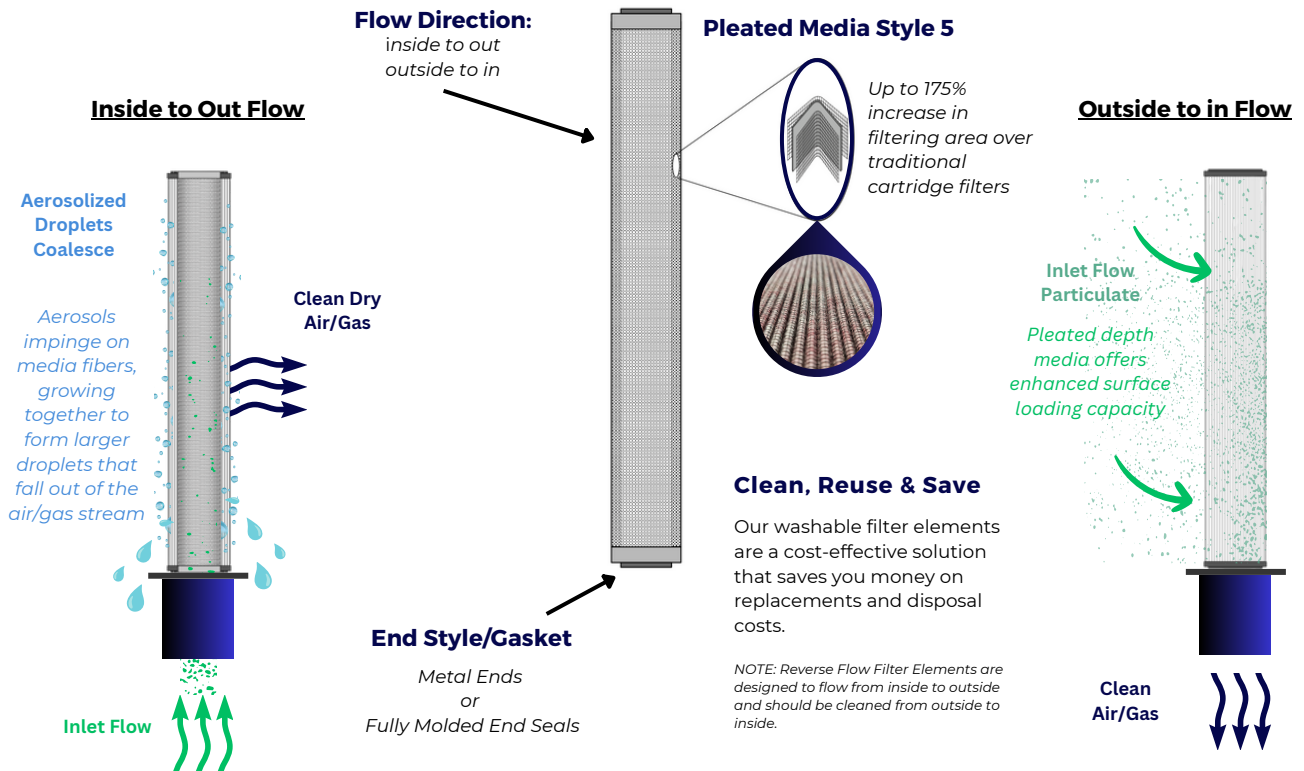


Applications

- Compressor Suction/Discharge
- Gas Transmission
- Gas Gathering
- Metering/Custody Transfer
- Glycol Contactor Protection
- Amine Contactor Protection
- Downstream of Molecular Sieve Contactor
- Natural Gas Pipelines
- Fuel Gas
- Bio Gas
- Gas Storage
- Utility & Instrument Air
- Others - contact us with your application requirements



Design



SPI	5336	K	1	0	0	5	0	01
Replaces: PCHG PPCHG KPCHG FF FG FS NGGC PZC JPMP JPME JPMG JPMK PRE DD DP FLP FLHT ARC others*	Size OD x Height 5012 = 3" x 12" 5024 = 3" x 24" 5036 = 3" x 36" 5312 = 4.5" x 12" 5324 = 4.5" x 24" 5336 = 4.5" x 36" 5512 = 5.5" x 12" 5524 = 5.5" x 24" 5536 = 5.5" x 36"	Core & Wire MOC K = CS N = 304SS Y = 316SS	Gasket 0 = No Gasket 1 = 1/16" BUNA 2 = 1/16" Viton 3 = 1/8" BUNA 4 = Polyurethane 5 = Red RTV 6 = Blue RTV 7 = 1/16" Teflon 8 = 1/16" Blue Gard	End Style 0 = DOE 1 = Closed End w/ Bolt Hole	Flow Direction 0 = Both 1 = Outside to in Only	Media Style 4 = Wrapped 5 = Pleated	Media Type 1 = Polyester 2 = MicroGlass 3 = Polypropylene 4 = Nomez™ 5 = Sparks™ MircoDepth 500™ 6 = Sparks™ CarbonDepth 600™	Micron (µm) 00 = 0.1 µm 33 = 0.3 µm 01 = 1 µm 02 = 2 µm 05 = 5 µm 10 = 10 µm 15 = 15 µm 25 = 25 µm 50 = 50 µm 75 = 75 µm • Consult factory for other media efficiencies.





Construction

Core/Wire:	Carbon Steel	
	304 Stainless Steel	
	316 Stainless Steel	
End Caps:	Plated Steel (standard)	
	304 Stainless Steel	
	316 Stainless Steel	
		<i>Max Temp</i>
Gasket	Buna - N	250°F
Options:	Viton	400°F
	Teflon	400°F
	Blue Guard	548°F
Molded Ends:	Polyurethane	200°F
	Red RTV	500°F
	Blue RTV	392°F
Media:	Polyester	300°F
	Polypropylene	175°F
	Microglass	450°F
	Nomex™/ Aramid	425°F
	MicroDepth™	300°F
	CarboDepth™	300°F

Technical

Flow Direction:	Outside-to-Inside & Inside-to-Outside	
Max Differential Pressure:	Core Diameter	Collapse/Burst (psid)
	3.0"	50 psid
	4.5"	50 psid
	5.5"	35 psid

* For lengths over 36", please consult factory

Recommended Change Out:	Differential Pressure: 12-15 psid
	* Max. Pressure may be limited by housing manufacturer's design

Performance:	Micron Rating:	0.1, 0.3, 0.5, 1, 2, 5, 10, 25, 50, 75, others*
	Efficiency:	≥ 98% *

* Efficiencies based on 3rd party independent test data

* Specific efficiencies available for each media upon request

All media options are encapsulated in screen providing an additional migration barrier and strength

Custom medias and additional offerings are available. Please contact us with your specific application details.

Media

Media	Micron (µm)										Max Continuous Operating Temperature
	0.1	0.3	1	2	5	10	15	25	50	75	
MOC											
Polyester		X	X	X	X	X	X	X	X	X	300° F (149° C)
Microglass	X	X	X	X	X						450° F (232° C)
Polypropylene			X		X	X	X				175° F (80° C)
Nomex™ (Aramid)					X	X	X	X	X	X	425° F (218° C)
MicroDepth™	X	X	X	X	X	X	X	X	X	X	300° F (149° C)
CarboDepth™	X	X	X	X	X	X	X	X	X	X	300° F (149° C)
<i>X = Available</i> Custom medias and additional efficiencies are available. Please contact us with your specific application details.											