



57 SERIES
COALESCING FILTERS
ALUMINUM



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Our high efficiency coalescing compressed air & gas filters have been designed for versatility. They are 100% machined, completely anodized, a one-piece bowl, and a captured Buna-N O-Ring. See Element Brochure for more details.

Our C grade elements is constructed of two layers of borosilicate microfiber. The first (inner layer) is comprised of very fine fiber and is more densely packed to capture microscopic aerosols. The outer layer is made up of slightly larger fibers which allow the captured liquids to pass through the depth of the wall and drain off the filter element.

Coalescing elements should always flow from the inside to the outside of the element so that proper draining of liquids can occur. These elements will simultaneously collect particulates.

The Flow Rates are based upon our 70C grade disposable coalescing elements in SCFM @ 100-PSIG with an initial 2 PSID. The 70C elements are rated at 95% removal against 0.01 microns. Above each section is the element size.

Anodized Aluminum Housings
Element Size: 1.00" x 2.50"
Element Part Number: 57E-3-70C
Flow Rate @ 500 PSIG: 173 SCFM



MODEL #	57AA-3-4P-70C-P	57AA-3-8P-70C-P	57AA-3-4P-70C-A	57AA-3-8P-70C-A
BOWL MATERIAL	Aluminum	Aluminum	Aluminum	Aluminum
PORT SIZE	¼"	½"	¼"	½"
DRAIN	Petcock	Petcock	Automatic	Automatic
PSIG/FLOW	500/173	500/173	250/98	250/98
HEAD DIAMETER	2.74"	2.74"	2.74"	2.74"
OVERALL LENGTH	6.50"	6.50"	6.94"	6.94"
WEIGHT	1.5 lb.	1.5 lb.	1.5 lb.	1.5 lb.

Anodized Aluminum Housings
Element Size: 0.50" x 1.25"
Element Part Number: 57E-1-70C
Flow Rate @ 150 PSIG: 31 SCFM



MODEL #	57AP-1-4P-70C-T	57AA-1-4P-70C-P
BOWL MATERIAL	Polycarb	Aluminum
PORT SIZE	¼"	¼"
DRAIN	Twist	Petcock
PSIG MAXIMUM	150	150
HEAD DIAMETER	1.57"	1.57"
OVERALL LENGTH	4.25"	4.25"
WEIGHT	0.5 lb.	0.5 lb.

Anodized Aluminum Housings
Element Size: 1.00" x 2.50"
Element Part Number: 57E-3-70C
Flow Rate @ 150 PSIG: 58 SCFM



MODEL #	57AP-3-4P-70C-T	57AP-3-8P-70C-T	57AP-3-4P-70C-A	57AP-3-8P-70C-A
BOWL MATERIAL	Polycarb	Polycarb	Polycarb	Polycarb
PORT SIZE	¼"	½"	¼"	½"
DRAIN	Twist	Twist	Automatic	Automatic
PSIG MAXIMUM	150	150	150	150
HEAD DIAMETER	2.74"	2.74"	2.74"	2.74"
OVERALL LENGTH	6.50"	6.50"	6.94"	6.94"
WEIGHT	1.0 lb.	1.0 lb.	1.0 lb.	1.0 lb.



Anodized Aluminum Housings
Element Size: 1.00" x 2.50"
Element Part Number: 57E-3-70C
Flow Rate @ 100 PSIG: 44 SCFM

MODEL #	57AA-3-8P-70C-P
BOWL MATERIAL	Aluminum
PORT SIZE	1/2"
DRAIN	Petcock
PSIG/FLOW	500/209
HEAD DIAMETER	2.74"
OVERALL LENGTH	10.38"
WEIGHT	1.5 lb.



Anodized Aluminum Housings
Element Size: 1.00" x 5.00"
Element Part Number: 57E-4-70C
Flow Rate @ 100 PSIG: 35 SCFM

MODEL #	57AA-3-8P-70C-A
BOWL MATERIAL	Aluminum
PORT SIZE	1/2"
DRAIN	Automatic
PSIG/FLOW	250/106
HEAD DIAMETER	2.74"
OVERALL LENGTH	10.38"
WEIGHT	1.5 lb.



Black Anodized Aluminum Housings
Element Size: 1.50" x 6.00"
Element Part Number: 57E-5-70CS
Flow Rate @ 100 PSIG: 122 SCFM

MODEL #	57AA-5-16P-70CS-B2	57AA-5-16P-70CS-A	57AA-5-16P-70CS-B2-2	57AA-5-16P-70CS-A-2
BOWL MATERIAL	Aluminum	Aluminum	Aluminum	Aluminum
PORT SIZE	1"	1"	1"	1"
DRAIN	1/4"	Automatic	1/4"	Automatic
PSIG/FLOW	1500/1536	250/261	500/522	250/261
HEAD DIAMETER	4.09"	4.09"	4.09"	4.09"
OVERALL LENGTH	12.33"	12.33"	14.58"	14.58"
WEIGHT	8.0 lbs.	8.0 lbs.	8.0 lbs.	8.0 lbs.



Black Anodized Aluminum Housings
Element Size: 2.00" x 9.00"
Element Part Number: 57E-7-70CS
Flow Rate @ 100 PSIG: 314 SCFM

MODEL #	57AA-7-24P-70CS-B2 57AA-7-32P-70CS-B2	57AA-7-24P-70CS-A 57AA-7-32P-70CS-A	57AA-7-24P-70CS-B2-2 57AA-7-32P-70CS-B2-2	57AA-7-24P-70CS-A-2 57AA-7-32P-70CS-A-2
BOWL MATERIAL	Aluminum	Aluminum	Aluminum	Aluminum
PORT SIZE	1 1/2" or 2"	1 1/2" or 2"	1 1/2" or 2"	1 1/2" or 2"
DRAIN	1/4"	Automatic	1/4"	Automatic
PSIG/FLOW	1000/2668	250/667	500/1334	500/1334
HEAD DIAMETER	5.51"	5.51"	5.51"	5.51"
OVERALL LENGTH	15.67"	15.67"	17.92"	17.92"
WEIGHT	11.0 lbs.	11.0 lbs.	11.0 lbs.	11.0 lbs.



Black Anodized Aluminum Housings
Element Size: 2.00" x 18.75"
Element Part Number: 57E-9-70CS
Flow Rate @ 100 PSIG: 354 SCFM

MODEL #	57AA-9-32P-70CS-B2	57AA-9-32P-70CS-A	57AA-9-32P-70CS-B2-2	57AA-9-32P-70CS-A-2
BOWL MATERIAL	Aluminum	Aluminum	Aluminum	Aluminum
PORT SIZE	2"	2"	2"	2"
DRAIN	1/4"	Automatic	1/4"	Automatic
PSIG/FLOW	1000/3016	250/754	500/1508	500/1508
HEAD DIAMETER	5.51"	5.51"	5.51"	5.51"
OVERALL LENGTH	25.35"	25.35"	27.60"	27.60"
WEIGHT	14.0 lbs.	14.0 lbs.	14.0 lbs.	14.0 lbs.

57 SERIES ELEMENTS

C Grade - Coalescing (Oil & Water Removal)



- » Elements are specifically designed for the removal of liquid aerosols and particulate from gases in both corrosive & non-corrosive applications
- » Typically used in our Point-of-Use Filters
- » Materials of Construction: Borosilicate Glass Microfiber with PVDF Fluorocarbon Resin Binder
- » Type of Application: Coalescing - Instrumentation
- » Max Temp: 300°F
- » Appearance: Off-White Toasted Color
- » Flow Direction: Inside to Outside
- » Efficiency at 0.01 Microns

99.99998%	99.9999%	+99.99%	+99.5%	+95%	+75%
30C	40C	50C	60C	70C	80C

Our 70C is recommended for optimal filtration by providing high flow rates and long element life at peak efficiency.

CS Grade - Heavy Coalescing



- » Elements are designed for heavy coalescing, CNG, and vacuum pump exhaust
- » Typically used with Our High Flow 3/4" NPT Filter Housings & Above
- » Materials of Construction: Borosilicate Glass Microfiber with Silica Inorganic Resin
- » Type of Application: Heavy Coalescing / CNG
- » Max Temp: 900°F
- » Appearance: White in Color
- » Flow Direction: Inside to Outside
- » Efficiency at 0.01 Microns

99.99998%	99.9999%	+99.99%	+99.5%	+95%	+75%
30CS	40CS	50CS	60CS	70CS	80CS

Our 70CS is recommended for optimal filtration by providing high flow rates and long element life at peak efficiency. The 50 CS is recommended for coalescing of oils in vacuum pump exhaust applications.

CSX1 Grade - Exterior Caged for Added Burst Strength



- » These elements are designed for heavy coalescing applications. Commonly used in CNG applications where added strength is needed due to heavy particulate loading and extremely contaminated coalesced oil
- » Materials of Construction: Borosilicate Glass Microfiber with Silica Inorganic Resin with 304 SS Cage
- » Type of Application: Heavy Coalescing / CNG
- » Max Temp: 900°F
- » Appearance: White in Color with exterior SS Cage
- » Flow Direction: Inside to Outside
- » Efficiency at 0.01 Microns

99.99998%	99.9999%	+99.99%	+99.5%	+95%	+75%
30CSX1	40CSX1	50CSX1	60CSX1	70CSX1	80CSX1

Our 70CSX1 is recommended for optimal filtration by providing high flow rates and long element life at peak efficiency.

All of our coalescing elements can be caged by adding suffix X1, including the C and RC Grades. *X1 Caged on the outside are only compatible for use with any of our standard filter housings.

RC Grade - Reinforced Coalescing for High Differential Pressure

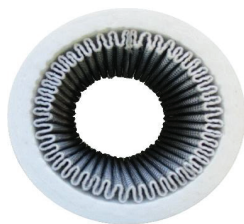


- » Elements are designed for high pressure coalescing and/or systems with high differential pressure. These elements consist of borosilicate glass inner layer sandwiched between two, rayon/phenolic layers. The reinforced inner/outer layers provide excellent strength
- » Typically used in Extreme Coalescing Service
- » Materials of Construction: Glass Microfiber, Rayon/Phenolic
- » Type of Application: High Differential Coalescing
- » Max Temp: 250°F
- » Appearance: Brown in Color
- » Flow Direction: Inside to Outside
- » Efficiency at 0.3 Microns

99.99998%	99.9999%	+99.99%	+99.5%	+95%	+75%
N/A	N/A	N/A	N/A	RC	N/A

Our RC grade is recommended for optimal filtration by providing high flow rates and long element life at peak efficiency.

Dual Pleated Coalescing Series



- » Our DPCS elements incorporate an inner reinforced pleated microglass 3 micron pre-filter encapsulated with an outer microfiber glass coalescing layer. The pleats provide excellent dirt holding capacity, protecting the coalescing layer allowing it to drain liquids efficiently. This cartridge combines the pleated and coalescing elements into one package. We typically recommend this on our larger vessels which hold 2" diameter elements, i.e., 57E-7 & 57-9 sizes
- » Materials of Construction: Borosilicate Microfiber Glass with Silica Inorganic Resin; Micro Glass. Epoxy Coated Steel; PVC / Nylon End Caps
- » Type of Application: Heavy Particulate and Coalescing
- » Max Temp: 300°F
- » Appearance: White in Color
- » Flow Direction: Inside to Outside
- » Efficiency at 0.01 Microns

99.99998%	99.9999%	+99.99%	+99.5%	+95%	+75%
N/A	40DPCS	50DPCS	60DPCS	70DPCS	N/A

Our 70DPCS is recommended for optimal filtration by providing high flow rates and long element life at peak efficiency.

Epoxy Grade - OEM Particulate Filtration



- » These elements are suitable for all particulate removal applications in non-corrosive gases. These are the most economical particulate filters we offer and are typically utilized in OEM applications
- » Materials of Construction: Borosilicate Glass Microfiber with Epoxy Ester Resin
- » Type of Application: Particulate Only
- » Max Temp: 300°F
- » Appearance: Light Manila in Color
- » Flow Direction: Outside to Inside
- » Efficiency at 0.01 Microns

99.99998%	99.9999%	+99.99%	+99.5%	+95%	+75%
30	40	50	60	70	80

Our 70 Grade is recommended for optimal filtration by providing high flow rates and long element life at peak efficiency.

Particulate Elements: We offer five types of particulate elements which provide the correct solution for your applications. For instrument air and gaseous service, we provide pleated, five-layer stainless steel, stainless steel screen, and sintered polyethylene elements. For sample conditioning, emission testing and environmental service we offer a variety of disposable microfiber elements as well chemical resistance sintered PTFE elements.