



"A leading worldwide supplier of high efficiency filters for a variety of industries and applications."

MINIATURE POINT-OF-USE FILTERS

Protect your equipment and sensitive instruments from water, oil, & dirt with our high efficiency point of use miniature filters that remove these contaminants up to 99.99% efficiency at 0.01 micron. These filters are an ideal solution as final instrumentation / valve protection given their high performance, compact design, and low cost.



Features:

- Rugged, 100% Machined Anodized Aluminum Construction
- Remove 99.99% Of Oil, Water, & Solids From Compressed Air & Other Gases
- Transparent Polycarbonate Bowl Optional

Applications:

- Great Point-Of-Use Protection – Compact Design
- Ideal For Portable Air Systems
- High Flow Point-Of-Use Filter

At the heart of our filter products is the filter element. Choosing the correct element insures proper results for your specific application:

Disposable Microfiber Elements

Disposable Microfiber Elements are most commonly used since they offer exceptional filtration, high flows with minimal pressure drops, and excellent chemical compatibility. These are ideal for use in sample conditioning, instrumentation, CNG, and Emission/Environmental service.

- For **Coalescing (liquid removal)** and particle collection use our grade "C". We recommend starting with the 70C which is rated at 95% efficient at 0.01 micron which provides outstanding filtration, at high flow rates.



Vapor Adsorption Cartridges

Our vapor adsorption cartridges are packed with either carbon/charcoal for oil vapor adsorption (designated as CC) or Silica Gel for water vapor adsorption (designated as SG).

- These units are only for adsorption of oil or water vapor and should be preceded by at least one coalescing filter assembly (70C).

MINIATURE POINT-OF-USE FILTERS

- Low Pressure Drop
- 500 PSIG Maximum Rating
- Accepts Microfiber, Stainless Steel, PTFE, & PEL Filter Elements



TECHNICAL INFORMATION

Housing Model	305		305A		315		315A	
Headline Part Number	300	305	300A	305A	310	315	310A	315A
Port Size (NPT)	1/8"	1/4"	1/8"	1/4"	1/8"	1/4"	1/8"	1/4"
Drain Type (NPT)	No Drain		No Drain		Twist		Petcock	
Maximum Pressure (psig)	150		500		150		500	
Maximum Temperature (°F)	120		240		120		240	
Internal Volume (cc)	35		45		35		45	
Weight of Housing (lbs)	0.5		0.5		0.5		0.5	
Principle Dimensions: (inches)								
Center Of Port To Head	0.39		0.39		0.39		0.39	
Head Diameter	1.57		1.57		1.57		1.57	
Overall Length	3.75		4.00		4.25		4.72	
Element Removal Clearance	1.42		1.42		1.42		1.42	
Filter Element Codes: (1)								
Disposable Element (Standard)	12-32-□		12-32-□		12-32-□		12-32-□	
Stainless Steel Element	SS-12-32-□		SS-12-32-□		SS-12-32-□		SS-12-32-□	
PEL Element	PEL-12-32-□		PEL-12-32-□		PEL-12-32-□		PEL-12-32-□	
Vapor Adsorption Cartridge	TRE12-32-□		TRE12-32-□		TRE12-32-□		TRE12-32-□	
Materials Of Construction:								
Head	Aluminum		Aluminum		Aluminum		Aluminum	
Bowl	Polycarbonate		Aluminum		Polycarbonate		Aluminum	
Internals	Nylon		Nylon		Nylon		Nylon	
O-Rings (Standard)	Buna-N		Buna-N		Buna-N		Buna-N	
Drain	-		-		Nylon		Brass	
Accessories:								
Mounting Bracket	MBSS315		MBSS315		MBSS315		MBSS315	
Buna-N Seal Set Standard	BN315		BN315		BN315		BN315	
EPDM Seal Set	GE315		GE315		GE315		GE315	
Kalrez Seal Set	KZ315		KZ315		KZ315		KZ315	
Viton Seal Set	GV315		GV315		GV315		GV315	

FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C ⁽²⁾ or 70C ⁽³⁾

Air Line Pressure (PSIG)	305 Series		315 Series	
	50C/CC/SG	70C	50C/CC/SG	70C
2	1	3	1	3
15	2	6	2	6
30	3	9	3	9
60	4	14	4	14
100	6	23	6	23
150	9	31	9	31
200	12	46	12	46
250	13	47	13	47
500	25	91	25	91

Notes: (1) Replace "□" with grade required, e.g. 12-32-70C, SS-12-32-25
 (2) Flow rates for Grade 50C rated at 99.99% against 0.01 micron
 (3) Flow rates for Grade 70C rated at 95% against 0.01 micron

MINIATURE POINT-OF-USE FILTERS

For Point-Of-Use applications which require slightly more flow, our “L” versions of the miniature units accept a 12-57 element (2.25” long versus 1.25” long). This extra capacity is beneficial for heavily contaminated systems, since efficiency and drainage speed is maintained within a compact foot print.



TECHNICAL INFORMATION

Housing Model	305L		305AL		315L		315AL	
Headline Part Number	300L	305L	300AL	305AL	310L	315L	310AL	315AL
Port Size (NPT)	1/8"	1/4"	1/8"	1/4"	1/8"	1/4"	1/8"	1/4"
Drain Type (NPT)	No Drain		No Drain		Twist		Petcock	
Maximum Pressure (psig)	150		500		150		500	
Maximum Temperature (°F)	120		240		120		240	
Internal Volume (cc)	35		45		35		45	
Weight of Housing (lbs)	0.5		0.5		0.5		0.5	
Principle Dimensions: (inches)								
Center Of Port To Head	0.39		0.39		0.39		0.39	
Head Diameter	1.57		1.57		1.57		1.57	
Overall Length	4.25		4.72		4.25		4.72	
Element Removal Clearance	2.00		2.00		2.00		2.00	
Filter Element Codes: (1)								
Disposable Element (Standard)	12-57-□		12-57-□		12-57-□		12-57-□	
Stainless Steel Element	SS-12-57-□		SS-12-57-□		SS-12-57-□		SS-12-57-□	
PEL Element	PEL-12-57-□		PEL-12-57-□		PEL-12-57-□		PEL-12-57-□	
Vapor Adsorption Cartridge	TRE12-57-□		TRE12-57-□		TRE12-57-□		TRE12-57-□	
Materials Of Construction:								
Head	Aluminum		Aluminum		Aluminum		Aluminum	
Bowl	Polycarbonate		Aluminum		Polycarbonate		Aluminum	
Internals	Nylon		Nylon		Nylon		Nylon	
O-Rings (Standard)	Buna-N		Buna-N		Buna-N		Buna-N	
Drain	-		-		Nylon		Brass	
Accessories:								
Mounting Bracket	MBSS315		MBSS315		MBSS315		MBSS315	
Buna-N Seal Set Standard	BN315		BN315		BN315		BN315	
EPDM Seal Set	GE315		GE315		GE315		GE315	
Kalrez Seal Set	KZ315		KZ315		KZ315		KZ315	
Viton Seal Set	GV315		GV315		GV315		GV315	

FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C ⁽²⁾ or 70C ⁽³⁾

Air Line Pressure (PSIG)	305L Series		315L Series	
	50C/CC/SG	70C	50C/CC/SG	70C
2	2	4	2	4
15	3	7	3	7
30	4	10	4	10
60	7	17	7	17
100	11	27	11	27
150	15	36	15	36
200	22	54	22	54
250	23	56	23	56
500	44	108	44	108

- Notes: (1) Replace "□" with grade required, e.g. 12-57-70C, SS-12-57-25
 (2) Flow rates for Grade 50C rated at 99.99% against 0.01 micron
 (3) Flow rates for Grade 70C rated at 95% against 0.01 micron