



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

## NATURAL GAS FILTERS (ALUMINUM CONSTRUCTED)

Protect your natural gas equipment and sensitive instruments from water, oil, and dirt with our high efficiency 100% machined aluminum filter assemblies. The robust housing construction, along with the high efficiency microfiber element is a proven solution for the demands of the natural gas industry. We are able to remove liquid and particulate down to 0.01 microns, while exhibiting a low initial pressure drop with our vacuum formed filter elements.

The miniature 315A coalescing series is ideal for point -of -use applications as a last chance filter, whereas the 360A / 370A coalescing series have increased liquid holding capacity which makes them suitable for remote service. Both series use our captured O-ring design and threaded element retainer for positive sealing on the housing, and element which makes service quick and easy.



### Features:

- Rugged, 100% Machined Anodized Aluminum Construction
- Remove 99.99% Of Oil, Water, & Solids From Natural Gas
- Up To 1500 PSIG Maximum Rating

### Applications:

- Prevent Freeze Outs
- Fuel Gas Filters
- Protect Metering Valves
- Natural Gas Compression Filters

**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.

- We recommend using the 70C grade element with natural gas service since the element's fiber matrix offers a low initial pressure drop, quick drainage, high flow rates, while still providing excellent filtration efficiency to protect your system. We have many alternatives available for your specific requirements. Feel free to contact us at 1-800-311-5561 or email [sales@unitedfiltration.com](mailto:sales@unitedfiltration.com).



### 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).

# NATURAL GAS FILTERS (ALUMINUM CONSTRUCTED)

- Up To 1500 PSIG Maximum Rating
- Alternative Fuel Filter
- Protect Natural Gas Regulators
- Pilot Valve Protection



## TECHNICAL INFORMATION

Housing Model	315A		360A		370A
Headline Part Number	310A	315A	360A	365A	370A
Port Size (NPT)	1/8"	1/4"	1/4"	1/2"	1/2"
Drain Type (NPT)	Petcock		Petcock		Petcock
Maximum Pressure (psig)	500		500		500
Maximum Temperature (°F)	240		240		240
Internal Volume (cc)	45		165		315
Weight of Housing (lbs)	0.5		1.5		1.5
Principle Dimensions: (inches)					
Center Of Port To Head	0.39		0.61		0.61
Head Diameter	1.57		2.74		2.74
Overall Length	4.72		6.50		10.38
Element Removal Clearance	1.42		2.74		7.48
Filter Element Codes: (1)					
Disposable Element (Standard)	12-32-□		25-64-□		25-178-□
Stainless Steel Element	SS-12-32-□		SS-25-64-□		SS-25-178-□
PEL Element	PEL-12-32-□		PEL-25-64-□		PEL-25-178-□
Vapor Adsorption Cartridge	TRE12-32-□		TRE25-64-□		TRE25-178-□
Materials Of Construction:					
Head	Aluminum		Aluminum		Aluminum
Bowl	Aluminum		Aluminum		Aluminum
Internals	Nylon		Nylon		Nylon
O-Rings (Standard)	Buna-N		Buna-N		Buna-N
Drain	Brass		Brass		Brass
Accessories:					
Mounting Bracket	MBSS315		MBSS360		MBSS360
<b>Buna-N Seal Set</b> (Standard)	<b>BN315</b>		<b>BN360</b>		<b>BN370</b>
EPDM Seal Set	GE315		GE360		GE370
Kalrez Seal Set	KZ315		KZ360		KZ370
Viton Seal Set	GV315		GV360		GV370

## FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C <sup>(2)</sup> or 70C <sup>(3)</sup>

Air Line Pressure (PSIG)	315A Series		360A Series		370A Series	
	50C	70C	50C	70C	50C	70C
2	1	3	3	6	6	8
15	2	6	6	11	10	13
30	3	9	8	16	15	19
60	4	14	13	26	25	32
100	6	23	21	44	40	50
150	9	31	29	58	55	68
200	12	46	42	88	80	100
250	13	47	45	89	83	106
500	25	91	87	173	163	209

- 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

# NATURAL GAS FILTERS (ALUMINUM CONSTRUCTED)

Protect your natural gas equipment and sensitive instruments from water, oil, and dirt with our high efficiency 100% machined aluminum filter assemblies. The robust housing construction, along with the high efficiency microfiber element is a proven solution for the demands of the natural gas industry. We are able to remove liquid and particulate down to 0.01 microns, while exhibiting a low initial pressure drop with our vacuum formed filter elements.

The 380AHP natural gas coalescing filter series is ideal as a fuel gas filter or initial stage compression filter with its **1500 PSIG** rating and robust 100 % machined design. The captured O-ring design and threaded element retainer for positive sealing on the housing, and element which makes service quick and easy. The large hex base makes field service quick and easy.



## TECHNICAL INFORMATION

Housing Model	380AHP		385A	390A
Headline Part Number	380AHP	383AHP	385A	390A
Port Size (NPT)	3/4" or 1"		1 1/2" or 2"	2"
Drain Type (NPT)	Petcock		Petcock	Petcock
Maximum Pressure (psig)	1,500		250	250
Maximum Temperature (°F)	250		240	240
Internal Volume (cc)	675		2100	3500
Weight of Housing (lbs)	8		11	14
Principle Dimensions: (inches)				
Center Of Port To Head	1.34		1.85	1.85
Head Diameter	4.33		5.51	5.51
Overall Length	12.09		16.39	25.65
Element Removal Clearance	5.98		9.21	18.82
Filter Element Codes: (1)				
Disposable Element (Standard)	TRE38-152-□		51-230-□	51-476-□
Stainless Steel Element	SS-38-152-□		SS-51-230-□	SS-51-476-□
Vapor Adsorption Cartridge	TRE38-152-□		51-230-□	51-476-□
Pleated (For Particulate)	N/A		51-230-□PL	51-476-□PL
Materials Of Construction: (2)				
Head	Aluminum		Aluminum	Aluminum
Bowl	Aluminum		Aluminum	Aluminum
Internals	Nylon		SS/AL	SS/AL
O-Rings (Standard)	Viton		Buna-N	Buna-N
Drain	Brass		Brass	Brass
Accessories:				
Mounting Bracket	MB380		MB385	MB390
Buna-N Seal Set	BN380		<b>BN385</b>	<b>BN390</b>
EPDM Seal Set	GE380		GE385	GE390
Kalrez Seal Set	KZ380		KZ385	KZ390
Viton Seal Set	<b>GV380</b>		GV385	GV390
DPI Replacement Kit	300VDI		DPI300	DPI300

## FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C <sup>(3)</sup> or 70C <sup>(4)</sup>

Air Line Pressure (PSIG)	380AHP Series		385 Series		390A Series	
	50CS	70CS	50C	70C	50C	70C
2	13	18	21	44	35	50
15	25	31	38	79	64	87
30	36	47	56	116	125	143
60	61	77	93	198	160	221
100	97	122	151	314	256	354
150	134	167	209	430	354	488
200	194	244	302	628	512	708
250	203	261	319	667	546	754
500	406	522	-	-	-	-
1000	812	1044	-	-	-	-
1500	1194	1536	-	-	-	-

Notes: (1) Replace "□" with grade required, e.g. TRE38-152-70C, SS-51-476-25, 51-476-50PL

(2) Material abbreviations, AL = Aluminum, SS = Stainless Steel

(3) Flow rates for Grade 50C rated at 99.99% against 0.01 micron

(4) Flow rates for Grade 70C rated at 95% against 0.01 micron

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