



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

HIGH CAPACITY COALESCING FILTERS

Introducing Our Low Cost, High Efficiency, High Pressure, 100% Machined Anodized Aluminum Assembly

Protect sensitive equipment, dry seal compressors and high volume air & gas applications with our large coalescing filter assemblies. These filters, like their smaller counter parts utilize our microfiber elements to remove upwards of 99.99% of contaminants at 0.01 micron. The 385AHP/390AHP series of coalescing filters have increased liquid holding capacity and are available with optional high volume automatic float drains (with function above 12 psi), and differential pressure indicators which are sensitive in the 2 to 16 psi differential.



Features:

- Rugged, 100% Machined Anodized Aluminum Construction
- Remove 99.99% Of Oil, Water, & Solids From Compressed Air & Other Gases
- Capture Dirt, Coalesce Liquids

Applications:

- Mainline Compressed Air Filtration
- CNG Filtration
- Pre-Filter / Solid Removal In Gas Lines
- Dry Seal Protection

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 "CS". We recommend starting with the 70CS 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-TP) or Silica Gel for water vapor adsorption (designated as SG-TP).

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

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- Fuel Gas Filter
- Accepts Microfiber, Stainless Steel, Vapor Adsorption, & Pleated Elements
- Comes Standard With 70CS For Heavy Coalescing



TECHNICAL INFORMATION

Housing Model	385AHP	385AHPF	390AHP	390AHPF
Headline Part Number	385AHP	385AHPF	390AHP	390AHPF
Port Size (NPT)	1 1/2" or 2"	1 1/2" or 2"	2"	2"
Drain Type (NPT)	Petcock	Automatic	Petcock	Automatic
Maximum Pressure (psig)	1,000	250	1,000	250
Maximum Temperature (°F)	250	250	250	250
Internal Volume (cc)	1500	1480	3000	2980
Weight of Housing (lbs)	11	11	14	14
Principle Dimensions: (inches) (1)				
Center Of Port To Head	1.57	1.57	1.57	1.57
Head Diameter	5.51	5.51	5.51	5.51
Overall Length	15.24	17.24	24.92	26.92
Element Removal Clearance	10.94	12.94	18.98	20.98
Filter Element Codes: (2)				
Disposable Element (Standard)	51-230-□	51-230-□	51-476-□	51-476-□
Stainless Steel Element	SS-51-230-□	SS-51-230-□	SS-51-476-□	SS-51-476-□
Vapor Adsorption Cartridge	51-230-□-TP	--	51-476-□-TP	--
Pleated (For Particulate)	51-230-□PL-TP	51-230-□PL-TP	51-476-□PL-TP	51-476-□PL-TP
Materials Of Construction:				
Head	Aluminum	Aluminum	Aluminum	Aluminum
Bowl	Aluminum	Aluminum	Aluminum	Aluminum
Internals	Nylon	Nylon	Nylon	Nylon
O-Rings (Standard)	Viton	Viton	Viton	Viton
Drain	Brass	Plastic/Brass	Brass	Plastic/Brass
Accessories:				
Mounting Bracket	MB385	MB385	MB390	MB390
Buna-N Seal Set	BN385AHP	BN385AHP	BN385AHP	BN385AHP
EPDM Seal Set	GE385AHP	GE385AHP	GE385AHP	GE385AHP
Kalrez Seal Set	KZ385AHP	KZ385AHP	KZ385AHP	KZ385AHP
Viton Seal Set Standard	GV385AHP	GV385AHP	GV385AHP	GV385AHP
Visual Differential Indicator	300VDI	300VDI	300VDI	300VDI

Housing Model w/Indicator	385AHPVDI	385AHPFVDI	390AHPVDI	390AHPFVDI
Maximum Pressure with Indicator – 500 PSIG				

FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50CS ⁽³⁾ or 70CS ⁽⁴⁾

Air Line Pressure (PSIG)	385AHP Series		390AHP Series	
	50CS	70CS	50CS	70CS
2	21	44	35	50
15	38	79	64	87
30	56	116	125	143
60	93	198	160	221
100	151	314	256	354
150	209	430	354	488
200	302	628	512	708
250	319	667	546	754
500	650	1334	1091	1508
1000	1300	2668	2182	3016

- Notes: (1) Dimensions are based on housing and does not include measurement for indicator
 (2) Replace "□" with grade required, e.g. 51-230-70CS, SS-51-476-25, 51-476-50PL-TP
 (3) Flow rates for Grade 50CS rated at 99.99% against 0.01 micron
 (4) Flow rates for Grade 70CS rated at 95% against 0.01 micron

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