



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

HIGH PRESSURE GAS FILTER

Our 380AHP series offers high efficiency filtration in a robust package. All 100% machined, completely anodized, and designed to be easily serviced with a large hex base, one piece bowl, and captured o-ring. The basic model's 1500 PSIG rating makes it ideal for CNG, Fuel Gas, and Compression Service. We recommend the "70CS" grade element which provides 95%+ removal at 0.01 microns. As importantly, the element's microfiber structure allows quick drainage which assures low pressure drops in coalescing service, therefore extending element life.

The standard 380AHP covers the vast majority of applications; however, where more flow is required the 380AHP-241 with a longer element is available.



Features:

- 380AHP Is Available In 3/4" And 1" NPT
- Rugged, 100% Machined Anodized Aluminum Construction
- Remove 99.99% Of Oil, Water, & Solids From Compressed Air & Other Gases
- High Efficiency Microfiber Elements
- Capture Dirt & Coalesce Liquids
- Low Cost, Long Life

Applications:

- Compressed Natural Gas Filtration
- High Pressure Gas Filters (1,500 PSIG)
- Booster Compressor Protection
- Mainline Coalescing 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 "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.
 - The TRE38-152 series of coalescing elements will be installed on all our 380AHP series of housings. These new elements incorporate an integral support core with the element. This provides positive sealing with every element change, protects the element during installation, while still providing 100% open exterior surface area to quickly drain coalesced liquids.



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 (70CS).

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- Fuel Gas Filter
- Wellhead Control Panel Filter
- Accepts Microfiber, Stainless Steel, and PEL Filter Elements



TECHNICAL INFORMATION

Housing Model	380AHP		380AHPF		380AHP-241		380AHPF-241	
Headline Part Number	380AHP	383AHP	380AHPF	383AHPF	380AHP-241	383AHP-241	380AHPF-241	383AHPF-241
Port Size (NPT)	3/4"	1"	3/4"	1"	3/4"	1"	3/4"	1"
Drain Type – 1/4" FNPT	Petcock		Automatic		Petcock		Automatic	
Maximum Pressure (psig)	1,500		250		1,500		250	
Maximum Temperature (°F)	250		250		250		250	
Internal Volume (cc)	675		655		955		935	
Weight of Housing (lbs)	8		8		8		8	
Principle Dimensions: (inches) (1)								
Center Of Port To Head	1.34		1.34		1.34		1.34	
Head Diameter	4.33		4.33		4.33		4.33	
Overall Length	12.09		12.09		14.53		14.53	
Element Removal Clearance	5.98		5.98		9.60		9.60	
Filter Element Codes: (2)								
Disposable Element (Standard)	TRE38-152-□		TRE38-152-□		38-241-□		38-241-□	
Stainless Steel Element	SS-38-152-□		SS-38-152-□		SS-38-241-□		SS-38-241-□	
PEL Element	PEL-38-152-□		PEL-38-152-□		PEL-38-241-□		PEL-38-241-□	
Vapor Adsorption Cartridge	TRE38-152-□		--		TRE38-241-□		--	
Materials Of Construction:								
Head	Aluminum		Aluminum		Aluminum		Aluminum	
Bowl	Aluminum		Aluminum		Aluminum		Aluminum	
Internals	Nylon		Nylon		Metal		Metal	
O-Rings (Standard)	Buna-N		Buna-N		Buna-N		Buna-N	
Drain	Brass		Plastic / Brass		Brass		Plastic / Brass	
Accessories:								
Mounting Bracket	MB380		MB380		MB380		MB380	
Buna-N Seal Set Standard	BN380		BN380		BN380		BN380	
EPDM Seal Set	GE380		GE380		GE380		GE380	
Kalrez Seal Set	KZ380		KZ380		KZ380		KZ380	
Viton Seal Set	GV380		GV380		GV380		GV380	
Float Drain (3)	N/A		FD300		N/A		FD300	
VDI Replacement Kit	300VDI		300VDI		300VDI		300VDI	
Housing Model w/Indicator	380AHPVDI		380AHPFVDI		380AHPVDI-241		380AHPFVDI-241	
Maximum Pressure with Indicator – 500 PSIG								

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

Air Line Pressure (PSIG)	380AHP Series		380AHP-241 Series	
	50CS/CC/SG	70CS	50CS/CC/SG	70CS
	2	13	18	18
15	25	31	35	43
30	36	47	50	66
60	61	77	85	108
100	97	122	136	171
150	134	167	188	234
200	194	244	272	342
250	203	261	284	365
500	406	522	563	725
1000	812	1044	1127	1450
1500	1194	1536	1492	1920

- Notes: (1) For housing with indicator add 2.25" to the overall length
 (2) Replace "□" with grade required, e.g. TRE38-152-70CS, SS-38-152-25
 (3) Maximum Pressure on Float Drain (FD300) is 250 PSIG
 (4) Flow rates for Grade 50CS rated at 99.99% against 0.01 micron
 (5) Flow rates for Grade 70CS rated at 95% against 0.01 micron