

AHP Series High Pressure Alloy Filters

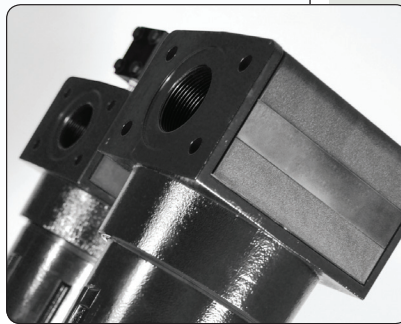
Dependability under pressure.

Van Air Systems offers a unique range of high pressure filters (725 PSIG/ 50 BAR Maximum Working Pressure) with machined or die cast aluminum components. The AHP series has many valuable design features such as a push-in element design with a double O-ring seals, silicone free construction and full of corrosion protection.

Depend on Van Air Systems AHP Series High Pressure Alloy filters for effective oil aerosol, water and particulate removal from your compressed air or gas system.

AHP Series high pressure alloy filters are ideal for:

- Pharmaceutical testing
- Packaging
- Off shore applications
- Instrumentation
- Compressed natural gas
- High pressure testing



FEATURES

Machined diecast aluminum components

Push-on element design

Eight models available

Maximum pressure 725 PSIG

BENEFITS OF THE AHP SERIES

Dependable // Cost saving // Easy to use

vanairsystems.com

SPECIFICATIONS

- Aluminum head & body
- Threaded connections are tapered to ANSI B2.1
- Direction of air/gas flow, in to out for coalescing grades, out to in for particulate grades
- Drain plug
- Powder finish to reduce corrosion
- Suitable for use with mineral or synthetic lubricants
- Silicone free

DIMENSIONS & SPECIFICATIONS

Model No.	A		B		Rated Flow @ 725 PSIG		In/Out Conn.	Weight		Replacement Element Model No.
	in	cm	in	cm	SCFM	NM3/Hr		lbs	kg	
AHP-25-7.25-(*)	6	16	2.5	7	94	151	1/4" NPT	0.5	0.22	EAHP-25-(*)
AHP-40-7.25-(*)	7.5	19	2.5	7	147	236	3/8" NPT	0.6	0.27	EAHP-40-(*)
AHP-65-7.25-(*)	12	31	4.5	12	265	426	1/2" NPT	5.7	2.6	EAHP-65-(*)
AHP-80-7.25-(*)	12	31	4.5	12	324	521	3/4" NPT	5.7	2.6	EAHP-80-(*)
AHP-125-7.25-(*)	15.5	40	4.5	12	492	791	1" NPT	7.3	3.3	EAHP-125-(*)
AHP-255-7.25-(*)	21	54	5.75	15	1015	1632	1 1/2" NPT	16.5	7.5	EAHP-255-(*)
AHP-285-7.25-(*)	21	54	5.75	15	1132	1820	2" NPT	16.5	7.5	EAHP-285-(*)
AHP-470-7.25-(*)	25	64	5.75	15	1182	1901	2" NPT	22	10	EAHP-470-(*)

FILTRATION GRADES

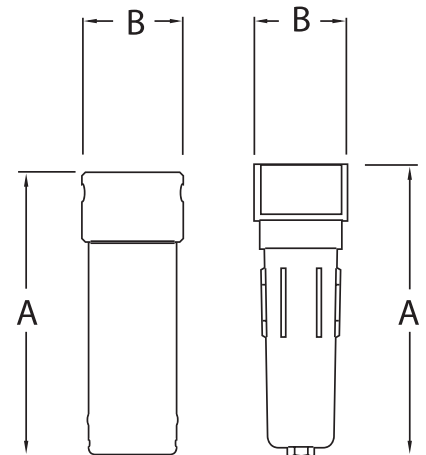
Application	Element Grade	Purpose	Particulate Nominal Removal/ISO 8573.1 Class	Max Oil Carryover PPM w/w/ISO 8573.1 Class	Max Temp °F	Clean, Dry Pressure Drop PSID	
						Dry Δ P	Oil Wet Δ P
Oil Removal	AA	Extra coarse coalescing	25μ/5	7.8/5	225	0.4	0.7
	A	Coarse coalescing	5μ/3	3.9/4	225	0.6	1.1
	B	General purpose coalescing	1μ/2	.78/3	175	1.1	2.2
	C	High efficiency coalescing	.01μ/1	.008/1	125	1.5	4.4
Particulate Removal	RAA	Extra coarse particulate	25μ/5	-	225	0.4	NA
	RA	Coarse particulate	5μ/3	-	225	0.6	NA
	RB	General purpose particulate	1μ/1	-	225	1.1	NA
	RC	High efficiency particulate	.01μ/1	-	225	1.5	NA
Oil Vapor Removal	RD	Vapor adsorbing	.01μ/1	.004/1	80	1.1	NA

CORRECTION FACTOR

Operating Pressure	100 PSIG 6.9 BARG	250 PSIG 17.2 BARG	300 PSIG 20.7 BARG	400 PSIG 27.6 BARG	500 PSIG 34.5 BARG	600 PSIG 41.4 BARG	725 PSIG 50 BARG
Correction Factor	0.25	0.51	0.57	0.66	0.77	0.87	1

Example: AHP-25-7.25-* has a capacity of 94 SCFM at 725 PSIG.

When operating at 600 PSIG the filter has a capacity of 94 SCFM x .87 = 81.8 SCFM
Contact Van Air Systems for additional sizing information.



2950 Mechanic Street, Lake City, PA 16423, USA | Toll Free Phone 800-840-9906 | Corporate Fax 814-774-0778 | Order Entry Fax 814-774-3482

Distributed By:



AHP Series - PDF Downloads

Installation, Operation and Maintenance Manuals

AHP Series



Sales Drawings

AHP Series

