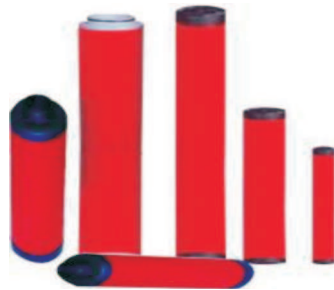


# Bossmanfilter

Ultimate in Filtration & Purification Technology

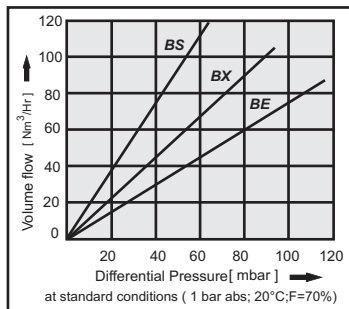


Compressed air micro filter



Compressed air micro filter Elements

Performance of Micro Filter Elements  
Medium : Compressed air



TYPE	Differential Pressure in Bar	Efficiency	PPM mg/M3*
BI-POE	0.03	100%	-
BS	0.05	99.999%	1
BX	0.08	99.9999%	0.05
BE	0.12	99.99999%	0.01

BI-POE - Fine Filter BX - Micro Filter  
BS - Fine Filter BE - SubMicro Filter

\* Related to 1 bar abs, and 20°C and inlet oil of 3 - 5 ppm

Filter elements[cartridges]are easy to interchangeable and it covers flow rate from 200ltr/min to 72,000 lit/min

All aluminium-housing models are anodised inside and outside surfaces are PU coated to std red colour.

Carbon steel housing with slip-on flanges to ANSI B16.5 can also be offered.All housings are tested to max pressure of 16 Bar and 120°C.

Filters for High pressure application (upto600 Bar) also available.

Bossmanfilter reserves the right to modify, in any moment technical details without notice. Accessories shown in the pictures are not a part of the equipments

## Compressed Air Micro Filter

BHA Series & BCH Series

### Bossmanfilter BHA & BCH-Series Microfilters Features.

Filtration of oil,water aerosols,dust and dirt particles to 0.01 microns, the best achievable in industry

A constant efficiency of 99.9999% at 0.01 micron unaffected by liquid particle contaminations.

Simple installation housings featuring good dynamics in carbon steel,SS and Aluminium with accessories like service life indicator,Differential pressure gauge supplied at no extra cost.

Very less pressure drop with high dirt holding capacities.

### Applications :

- \* Instrument & Control Air
- \* Process Control Instruments
- \* Textile Machines
- \* Machine tools
- \* Bearing air
- \* Air Motors & Heavy Air motor miniature
- \* Packaging machine
- \* Pneumatic cylinder
- \* Sensors in fluid technology
- \* Sand blasting unit
- \* Handling of food and beverages
- \* Semi conductor manufacturing
- \* Wind tunnels
- \* Pharmaceutical manufacturing
- \* Breathing air
- \* Conveyance of hygroscopic products
- \* Paint spray & Powder coating

### Technical Data

Design : Compact Design with low pressure drop  
Filtration Level : 1 ,0.5 & 0.01 micron  
Housing Material : Aluminium,Carbon Steel & SS  
Design Pressure : 16Kg/cm2 ( max )  
Test Pressure : 20Kg/cm2

### Operating Conditions :

Medium : Compressed air  
Operating Pressure : min = 4 Bar max = 16 Bar  
Medium Temp. : max. 50 °C  
Ambient Temp. : min = 4 °C max = 50 °C

MODEL	Flow at 7 Bar,35°C				End Conn.
	m3/hr	Scfm	Min m3/hr	Max m3/hr	
BAH7	12	7	9	29	1/4"
BAH21	38	21	29	59	3/8"
BAH42	72	42	59	89	3/8"
BAH64	108	64	89	119	1/2"
BAH78	132	78	119	179	1/2"
BAH117	198	117	179	269	3/4"
BAH175	297	175	269	359	1"
BAH222	378	222	359	479	1 1/4"
BAH297	504	297	479	719	1 1/2"
BAH436	742	436	719	1079	2"
BCH655	1112	655	1079	1439	Nb50
BCH873	1483	873	1439	1919	Nb65
BCH1164	1978	1164	1919	2879	Nb80
BCH2568	2980	1754	2879	4319	Nb100
BCH3424	4400	2590	4319	5759	Nb100
BCH4566	5800	3414	5759	7679	Nb100
BCH9131	11540	6792	11519	16359	Nb200

Higher Capacities available on Request.

Working Pressure in Bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Conversion Fact.	0.25	0.37	0.50	0.60	0.75	0.90	1	1.1	1.3	1.4	1.5	1.6	1.75	1.9	2.0	2.1

Note:All housings are available with Differential Pressure Gauge & Manual valve as a std.accessories expect model BAH7 & 21.

## Bossmanfilter

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For further details,Please contact

## Bossman Instruments Technology

An ISO 9001:2008 Certified Company

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