



G-BHL Series

Stainless Steel Compressed Air Filters

PF/AO/AA/AX/ACS/AR/AAR, 5 micron to 0.01 micron

Air flow rates from 1.0 to 37.2 m³/min

50 bar

G-BHL Series High-Pressure Compressed Air Filters - 50 bar

For the most demanding environments

Compressed air contains different types of contaminants that must be treated and reduced to acceptable levels to ensure the safe, efficient and economical operation of the compressed air system.

Most industrial compressed air applications operate at pressure 7 bar, 10 bar or 13 bar, and purification equipment is usually designed around these working pressures. However, some application require higher working pressure, which will also lead to an increase in the concentration of pollutants.

G-BHL series stainless steel compressed air filters are designed to remove liquid aerosols, water, oil and sub-micron particles in the compressed air system. The filtration efficiency can be 99.99% to remove 0.01 micron particles and small droplets, improve the pass rate of the product, reduce maintenance time and costs, increase productivity and reduce production costs ultimately.

The stainless steel structure can handle most corrosive environments and higher-demand applications, such as military ships, food beverages, electronics and chemical industries etc.



Advanced Filtration Technology for Contaminations

The compression process introduces lubricant and wear particles into the system, piping distribution and storage tanks foster contaminants in the form of rust, pipe scale and bacteria. PF, AO, AA,AX,ACS, AR and AAR filters efficiently remove these contaminants to provide the best air purity and protect downstream equipment and your processes, saving costs.

PF

Coarse Pre-Filtration

As a primary filter, particles whose diameter down to 5 μm can be removed, the max. residual oil content is negligible. Changed every 6000 hours.

AO

High Efficiency General Purpose

High efficiency general protection, dust particles, water mist & oil mist whose diameter down to 1 μm can be removed, the residual content of oil mist does not exceed 0.6 mg/m^3 (21°C), 1ppm(w), changed every 8000 hours.

AA

High Efficiency Oil Removal Filtration

Dust particles, water mist and oil mist down to 0.01 μm can be removed, the residual content of oil mist does not exceed 0.01 mg/m^3 (21°C), 0.01ppm(w), changed every 8000 hours.

AX

Ultra High Efficiency Filtration

Ultra-efficient filtration, solid particles, liquids, oil aerosols, odors, and vapors are effectively removed at a high efficiency of 99.99% as small as 0.01 micron, the residual content of oil mist does not exceed 0.001 mg/m^3 (21°C), 0.001ppm(w), changed every 8000 hours.

ACS

Oil Vapour Reduction

Activated carbon filter element made from thousands of activated carbon granules of sufficient thickness, oil vapor & odor can be removed, the max. resident content of oil vapor does not exceed 0.003 mg/m^3 (21°C), 0.003 ppm(w), changed when oil vapor detected.

AR

General Purpose Dust Filtration

Dry particle removal down to 1 μm , installed after adsorption air dryer, change every 6000 hours.

AAR

High Efficiency Dust Filtration

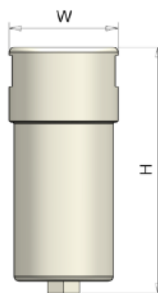
Dry particles removal down to 0.01 μm can be removed, installed after adsorption air dryer, change every 6000 hours.



Product Selection

Below flow rates of compressed air are calculated in rated working pressure of 7 bar (100 psi g) with reference to 20 °C.

Model	Inlet/ Outlet (Rc)	Rated Air Flow at 7 bar			Dimension(mm)			
		L/S	m³/min	Scfm	W (Width)	H (Height)	A	B
G-BHL017	1/2"	16.7	1	35.3	85	195	19.6	175.4
G-BHL025	3/4"	25	1.5	53	85	195	19.6	175.4
G-BHL030	1/2"	30	1.8	63.6	88	205	18.8	186.2
G-BHL035	3/4"	33.3	2	70.6	88	205	18.8	186.2
G-BHL058	3/4"	46.7	2.8	98.9	110	250	24.2	225.8
G-BHL068	1"	60	3.6	127.1	110	250	24.2	225.8
G-BHL080	1"	80	4.8	169.5	118	380	32.2	347.8
G-BHL145	1-1/2"	120	7.2	254.2	118	380	32.2	347.8
G-BHL220	2"	200	12	423.7	143	470	43	427
G-BHL260	2-1/2"	233.3	14	494.4	143	470	43	427
G-BHL330	2"	267.2	16	564.8	150	814	55.5	758.5
G-BHL360	2-1/2"	317.3	19	670.7	150	814	55.5	758.5
G-BHL405	2-1/2"	367.4	22	776.6	185	584	58.5	525.5
G-BHL430	3"	467.6	28	988.4	185	584	58.5	525.5
G-BHL620	3"	620	37.2	1313.6	185	814	58.5	755.5



Pressure	Barg	4	6	8	10	15	20	30	40	50
	Psig	58	87	116	145	218	290	435	581	726
Pressure Correction Factor		0.14	0.22	0.28	0.34	0.47	0.56	0.70	0.85	1

To correctly select an air filter model, the flow rate of the air filter must be adjusted for the minimum operating (inlet) pressure at the point of installation.

Calculate the adjust filtration capacity:

1. Minimum Filtration Capacity = Compressed Air Flow Rate x pressure correction factor rate.
2. Using the minimum filtration capacity, select an air filter model from the flow rate tables above (air filter selected must have a flow rate equal to or greater than the minimum filtration capacity).



Yun Air Technology Co., Ltd.



Hongrijia Depurate Facility Science & Technology Co.,Ltd

Building E1-1-1, 1-2 floors, Qun Yi
Leng Manufacturing Industrial Park,
Tong Hu Town, Hui Cheng District,
Huizhou, Guangdong, China



Office Address:

Rui ji 1st Rd, Longgang District
Shenzhen, Guangdong, China



+86 150 1366 4809



info@yun-air.com



www.yun-air.com



OEM Capabilities

When you need a special filter for a unique application, Yun Air experts are ready to work with you. We can tailor a configuration to meet your special need from the wide variety of filter media available. In addition, with LEAN manufacturing, we can produce specials in reasonable quantities, in a reasonable amount of time, at a reasonable price. Not only will this enhance the performance of your product, but it will benefit you with aftermarket sales of replacement elements.

OUR RANGES OF PRODUCTS INCLUDE THE FOLLOWING:

- Compressed air dryers
- Compressed air filters
- Compressed air water separators
- Alternative air filter elements
- Condensate auto drain
- Compressed air accessories
- Portable mask