



BHL Series Stainless Steel Compressed Air Filters

For solid particles and oil vapours-16 bar



Compressed Air

Compressed air has been recognized as a safe and reliable power source widely used throughout industry. Approximately 90% of all manufacturing companies use compressed air in some aspect of their operations. Unlike gas, water & electricity which is supplied to site by a utility supplier and to strict tolerances and quality specifications, compressed air is generated on-site by the users. The quality of compressed air and the cost of producing this powerful utility is therefore the responsibility of the users.

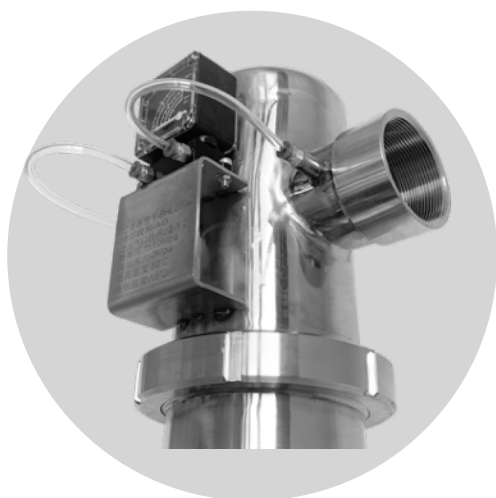


BHL Series Stainless Steel Air Filters



Stainless Steel Air Filters

BHL Series compressed air filters are designed to remove solid atmospheric particulate contamination, oil carryover from the compressor, and remove contaminants at a very high efficiency up to 99.995% for submicronic particles and droplets, protecting refrigeration dryers and desiccant compressed air dryers and other compressed air equipment, widely applied in food and beverage, semi-conductor, electronics and other industries need clean compressed air as power.



Features:

- Customized
- Thread and Flange connection
- 304 or 316 stainless steel construction
- 7 Filtration Grades
- Remove up to 99.995% of oil, water and solids from compressed air and other gases
- Continuously trap and drain liquids
- Quality assurance



Air Quality

The primary reason for using a compressed air filter is to remove contamination and improve air quality.

Better compressed air quality means less downtime of production processes and your higher profits, while also your satisfaction as a professional in this field.

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.

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), 1 ppm(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), 0.01 ppm(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), 0.001 ppm(w), changed every 8000 hours.

ACS

Oil Vapour Reduction

Activated carbon filter element made from thousands of activated carbon granules of sufficient thickness, giving a superior adsorption capacity on a longer time. 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

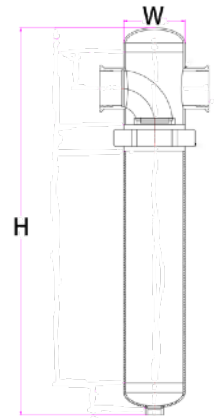
Dry particles removal down to 0.01 μm can be removed, installed after adsorption air dryer, change every 6000 hours.



Product Selection

Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 0% relative water vapor pressure.

Model	Air inlet/ outlet	Air Flow Rate		Max.Working Pressure	Dimensions(mm)	
		m ³ /min	scfm		bar/psi g	Width(W)
BHL017	Rc1/2"	1.0	35.3	16/232	150	250
BHL030	Rc3/4"	2	70.6	16/232	150	290
BHL058	Rc1"	3.6	127.1	16/232	170	390
BHL145	Rc1-1/2"	8	282.4	16/232	170	530
BHL220	Rc2"	13	458.9	16/232	220	700
BHL330	DN65	15	529.5	16/232	320	980
BHL360	DN80	20	706.0	16/232	320	980
BHL430	DN80	28	988.4	16/232	360	850
BHL620	DN100	40	1412.0	16/232	360	1080
BHL800	DN100	50	1765.0	16/232	420	1180
BHL1000	DN125	60	2118.0	16/232	473	1203
BHL1200	DN125	80	2824.0	16/232	473	1203
BHL1400	DN150	100	3530.0	16/232	530	1280
BHL1600	DN150	150	5295.0	16/232	580	1350
BHL1800	DN200	200	7060.0	16/232	630	1450
BHL2200	DN250	300	10590.0	16/232	720	1550



Pressure	Barg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Psig	15	29	44	59	73	87	100	116	131	145	160	174	189	203	219	232
Pressure Correction Factor		0.38	0.53	0.65	0.76	0.85	0.93	1.00	1.07	1.13	1.19	1.23	1.31	1.36	1.41	1.46	1.51

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).

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

We reserve the right to make technical changes. Error excepted.



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

