

YUN AIR

GHF Series - 30 bar Compressed Air Filters

For remove particles, oil vapours





30 bar GHF Series air filters have been designed connection sizes from 1/2" to 1-1/2", air flow rate up to 7.2 m³/min, max.working pressure 16 bar, providing reliable, highly efficient protection against dust, aerosols and oil vapors for all purity classes according to ISO 8573-1, reducing the energy consumption, total cost of ownership and adding to your satisfaction.



Seven filtration element grades meet different requirements of compressed air. Differently colorful end caps have better identification for the filtration grade.



Designed with wall mounting bracket. An aluminum alloy die casting housing offers a tight structure and enhance the safety.



Protected by a cathaphoresis anti-corrosion treatment, which allows the filter to function in corrosive environments, such as offshore platforms.



There is an option to fit a manual auto drain Rc1/2" to the bottom of the housing for the discharge of condensate.

GHF Series Advanced Filtration Technology for Contaminations



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

, 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 Vapor 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

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

AAR

High Efficiency Dust

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

GHF Series 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 7bar			Dimensions (mm)				
		L/S	m³/min	cfm	Width (W)	Depth (D)	Height (H)	A	B
GHF017	1/2"	16.7	1.0	35.3	90	82	253	39	173
GHF025	3/4"	25.0	1.5	53.0	90	82	253	39	173
GHF030	1/2"	30.0	1.8	63.6	90	82	289	39	207
GHF035	3/4"	33.3	2.0	70.6	90	82	289	39	207
GHF058	3/4"	46.7	2.8	98.9	120	113	369	52	273
GHF068	1"	60.0	3.6	127.1	120	113	369	52	273
GHF080	1"	80.0	4.8	169.5	120	113	469	52	373
GHF145	1-1/2"	120.0	7.2	254.2	120	113	469	52	373



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.

1. Obtain the minimum operating (inlet) pressure and maximum compressed air flow rate at the inlet of the air filter.
2. Select the correction factor for minimum inlet pressure from the correction factor table
3. Calculate the minimum filtration capacity.

Minimum Filtration Capacity = Compressed Air Flow Rate x Correction factor rate

4. 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).

Min.pressure inlet	bar g	10	15	20	25	30
	psi g	145	218	290	363	435
Pressure Correction Factor		3	2	1.5	1.2	1



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