KAISHAN COMPRESSORS

Engineering the Future

HIGH PERFORMANCE COMPRESSED AIR COALESCING FILTERS

FGO SERIES

- High contaminent retention
- Wide range of models
- Filtration grades for all applications
- Reduced pressure drop
- Optimised energy savings
- Improved system efficiency
- Reduced maintenance costs
- Certified filter performance

WORLD CLASS, ENERGY-SAVING EFFICIENCY & RELIABILITY

99.9999% efficiency

24 HOUR SUPPORT 1300 098 901

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www.kaishan.com.au 1300 098 901

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FGO SERIES

Compressed Air contains contaminants including dust, pollens, hydrocarbons, oil, moisture and other impurities. These contaminants can cause costly damage to downstream equipment as well as product spoilage.
FGO series filters are engineered to ensure the highest quality compressed air for a wide range of industry applications. The highly efficient FGO range of coalescing filters are designed for the highest contaminant retention (99.9999% efficiency) with minimal pressure drop resulting in premium quality compressed air with reduced operating costs.

Designed to perform

- Positive seal to prevent opening while filter under pressure.
- All filters are provided with an automatic drain valve.
- In order to maintain air quality integrity, it is recommended that genuine filter elements be changed annually.

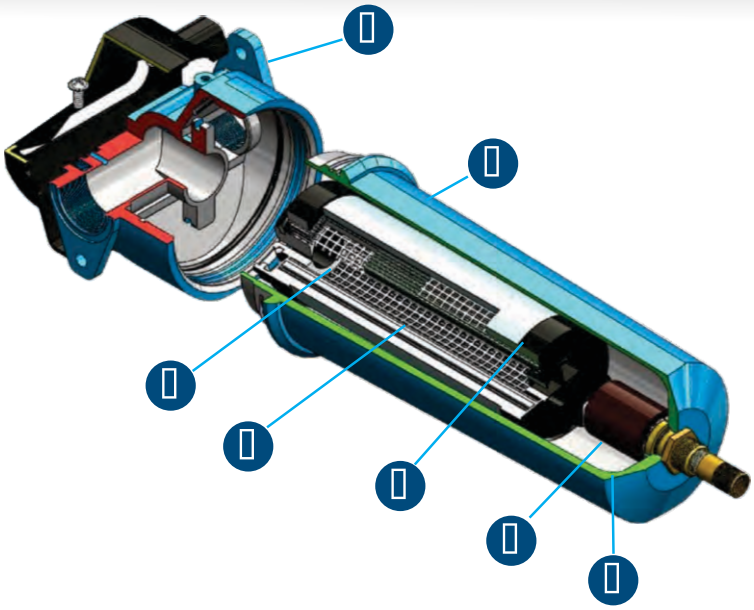
Standard reference conditions ISO8573-1

*Based on air temperature 20°C

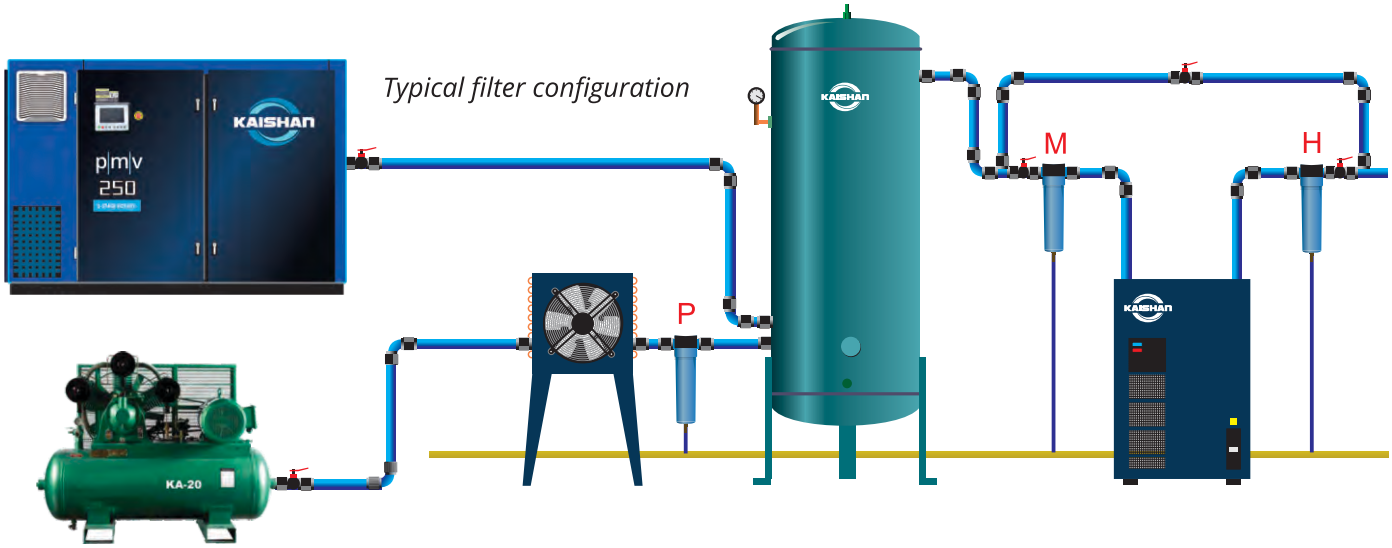
Degrees of filtration	Filters	Solids	Liquids
P	Filtration by interception	Residual particles up to 3 micron. dryer.	
M	Filtration by coalescence	Residual particles up to 1 micron.	*Residual concentration up to 0.1mg/m^3
H	Filtration by coalescence	Residual particles up to 0.01 micron	*Residual concentration up to 0.01mg/m^3
C	Filtration by absorption	Residual particles up to 0.01 micron	*Residual concentration up to 0.01mg/m^3

QUALITY COMPONENTS

1. O-ring bowl seal
2. Diecast aluminium housing, polyester epoxy powder coated for corrosion resistance
3. Large capacity reservoir for improved condensate separation
4. Auto drain
5. Drainage layer
6. High efficiency filtration media
7. Support cylinder



Typical filter configuration



FILTER GRADE	DESCRIPTION	APPLICATION EXAMPLES
P	General Particle Filtration	Removal of solid particles, protection of refrigerated dryer, pneumatic tools.
M	Coalescing Pre-filter	Protection of refrigerated dryer, pneumatic tools, air motors, sand blasting, tyre inflation, general purpose air, cement.
M+H	Micro-coalescing filter	Painting, pneumatic controls, instrumentation, plastics manufacture, plasma cutting, printing & graphics, packaging.
M+ H+C	Carbon filter*	Food and beverage, medical air, pharmacology, breathing air (without removal of CO/CO_2) dairy.

**The combination is not always adequate for critical use. eg. This solution is not enough to obtain sterile air*

FILTER SELECTION CHART

Model	Flow rate (FAD)		Connections	Dimensions	Element
	m^3/min	scfm	BSP-F	W x H (mm)	Model
FGO0034	0.6	21	1/2"	95 x 210	0034E
FGO0077	1.3	45	3/4"	95 x 210	0077E
FGO0119	2.0	70	3/4"	95 x 270	0119E
FGO0170	2.8	100	3/4"	95 x 270	0170E
FGO0212	3.5	125	1	125 x 300	0212E
FGO0306	5.1	180	1 ½"	125 x 300	0306E
FGO0451	7.5	265	1 ½"	125 x 385	0451E
FGO0629	10.5	371	1 ½"	125 x 385	0629E
FGO0934	15.6	549	2"	170 x 510	0934E
FGO1325	22.0	779	2"	170 x 690	1325E
FGO1800	30.0	1058	2 ½"	200 x 980	1800E
FGO2176	36.3	1279	3"	200 x 980	2176E
FGO2805	46.8	1653	3"	200 x 980	2805E

FGO Steel

Model	Flow rate (FAD)		Connections	Dimensions	Element
	m^3/min	scfm	DN	W x H (mm)	Model
FGO3600	60.0	2117	125	520 x 1170	1800E
FGO4350	72.5	2558	125	520 x 1170	2176E
FGO5600	93.4	3293	125	520 x 1170	2805E
FGO8500	141.6	4998	200	680 x 1250	2805E
FGO12000	200.0	7056	250	780 x 1378	2805E
FGO20000	333.0	11760	250	900 x 1480	2805E
FGO30000	500.0	17640	300	900 x 1480	2805E

Correction factor for operating pressure changes							
Inlet air pressure Bar	3	5	7	9	11	13	15
Factor	0.55	0.8	1	1.13	1.25	1.35	1.43

**All information displayed in this publication is subject to change without prior notification.*

ATS Coalescing Filters are distributed in Australia by:
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www.**kaishan.com.au**

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