

GMF Series Compressed Air Filter

GMF Series Air Liquid Separator

With the mechanisms of centrifugal separation, gravity setting, wire mesh demisting and agglomeration, etc., this product can effectively remove condensed water, oil mist and sol in compressed air, so as to considerably reduce the water treatment load of post-treatment equipment.

GMF9 Master Pipeline Filter

This product employs the stainless steel net as the support and uses the multilayer compound glass fiber with epoxy polyester protective layer as the filter material. It is used in primary filtration.

GMF7 Dust Removal Filter

This product employs the stainless steel net as the support and the HEPA net and ultra-thin glass fiber as the filter material, so as to greatly block and arrest the dust with the grain of above 1 μ m.

GMF5 Oil Removal Filter

This product employs the stainless steel net as the support and the borosilicate nanometer glass fiber as the filter material, so as to effectively extend the service life of absorbent and realize high accuracy of dust removal filtration and certain capacity of dehumidification and drying.

Main Properties and Applicable Scope:

Product Model	Filtration Accuracy μ m	Content of Residual Oil Mist ppm	Theoretical Life H	Applicable Scope
GMF series	40	40	30 yrs	Air liquid separation at the air outlet of equipment including air compressor and rear cooler, etc.
GMF9 series	3	5	≥ 8000	Pre-filter for pneumatic tool or oil removal filter and master pipeline filter for air system.
GMF7 series	1	1	≥ 8000	Rear dust removal filter for PSA dryer and rear filter for refrigeration dryer.
GMF5 series	0.01	0.01	≥ 8000	Pre-filter for PSA dryer, rear precision filter for refrigeration dryer and conditions with common requirements for oil removal and air consumption.

Internal threaded connection—Cast aluminum filter

Treatment Capacity	Connection Pipe	Model			Outer Dimension L×W×H (mm)				Weight Kg
		GMF9	GMF7	GMF5	A	B	C	D	
Nm ³ /min	Diameter								
1.2	G1 "	GMF91A7.5	GMF71A7.5	GMF51A7.5	102	495	220	≥ 250	4.9
2.5	G1 "	GMF91A15	GMF71A15	GMF51A15	102	495	220	≥ 250	4.9
3.6	G1 "	GMF91A22	GMF71A22	GMF51A22	102	565	290	≥ 300	5.2
6.8	G1-1/2 "	GMF91A37	GMF71A37	GMF51A37	138	663	388	≥ 400	7.2
8.5	G1-1/2 "	GMF91A45	GMF71A45	GMF51A45	138	663	388	≥ 400	7.2
11	G2 "	GMF91A60	GMF71A60	GMF51A60	138	864	589	≥ 580	9.2

Flanged connection—Carbon/stainless steel filter

Treatment Capacity Nm ³ /min	Connection Pipe Diameter	Model		Outer Dimension L×W×H (mm)				Weight	Model	Outer Dimension L×W×H (mm)				Weight
		GMF9	GMF7	A	B	C	D	Kg	GMF5	A	B	C	D	Kg
11	DN50	GMF91F60	GMF71F60	330	654	914	≥600	50	GMF51F60	330	654	914	≥600	50
13	DN50	GMF91F75	GMF71F75	330	654	914	≥600	50	GMF51F75	330	654	914	≥600	50
17	DN50	GMF91F90	GMF71F90	330	654	914	≥600	50	GMF52F90	400	683	942	≥600	66
23	DN65	GMF92F120	GMF72F120	410	688	947	≥600	68	GMF53F120	470	739	998	≥600	92
27	DN65	GMF92F132	GMF72F132	410	688	947	≥600	68	GMF53F132	470	739	998	≥600	92
34	DN80	GMF93F185	GMF73F185	500	743	1002	≥600	95	GMF54F185	500	768	1027	≥600	112
37	DN80	GMF93F220	GMF73F220	500	743	1002	≥600	95	GMF54F220	550	768	1027	≥600	112
45	DN80	GMF93F250	GMF73F250	500	743	1002	≥600	95	GMF54F250	550	768	1027	≥600	112
55	DN100	GMF94F300	GMF74F300	550	773	1032	≥600	115	GMF56F300	590	790	1049	≥600	124
65	DN100	GMF94F375	GMF74F375	550	773	1032	≥600	115	GMF56F375	590	790	1049	≥600	124
75	DN125	GMF97F400	GMF77F400	598	805	1064	≥600	132	GMF59F400	650	828	1087	≥600	140
85	DN125	GMF97F445	GMF77F445	598	805	1064	≥600	132	GMF59F445	650	828	1087	≥600	140
95	DN125	GMF97F500	GMF77F500	650	828	1087	≥600	140	GMF59F500	700	850	1110	≥600	161
110	DN150	GMF99F605	GMF79F605	724	858	1117	≥600	168	GMF5CF605	790	879	1139	≥600	203
130	DN150	GMF99F715	GMF79F715	724	858	1117	≥600	168	GMF5CF715	790	879	1139	≥600	203
170	DN200	GMF9CF935	GMF7CF935	820	900	1160	≥600	220	GMF5CF935	820	900	1160	≥600	220
190	DN200	GMF9CF1045	GMF7CF1045	820	900	1160	≥600	220	GMF5CF1045	820	900	1160	≥600	220
220	DN200	GMF9CF1210	GMF7CF1210	820	900	1160	≥600	220	GMF5CF1210	820	900	1160	≥600	220
270	DN250	GMF9GF1485	GMF7GF1485	1020	1000	1260	≥600	370	GMF5GF1485	1020	1000	1260	≥600	370
325	DN250	GMF9KF1790	GMF7KF1790	1100	1100	1360	≥600	480	GMF5KF1790	1100	1100	1360	≥600	480
370	DN300	GMF9PF2035	GMF7PF2035	1200	1200	1460	≥600	570	GMF5PF2035	1200	1200	1460	≥600	570
425	DN300	GMF9VF2340	GMF7VF2340	1400	1400	1550	≥600	800	GMF5VF2340	1400	1400	1550	≥600	800
525	DN350	GMF9VF2890	GMF7VF2890	1400	1400	1550	≥600	800	GMF5VF2890	1400	1400	1550	≥600	800

Applicable Working Conditions: Air inlet temperature is ≤66℃, operating pressure is 0.4~1.0MPa (g), inlet oil content ≤0.01ppm.

In addition, there are high temperature resistant filter elements (with applicable working temperature of 80℃ and 160℃) for option. Please contact the manufacturer for technical documents of other nonstandard models and their specific parameters

Filter Selection Correction

Operating Pressure MPa (g)	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Correction Coefficient	0.38	0.53	0.65	0.80	0.88	0.92	1	1.05	1.12	1.18