

Preparation unit—GP Series

GP Series Oil mist filter



Specification

Model		GPF20006	GPF20008	GPF30008	GPF30010	GPF40010	GPF40015
Fluid		Air					
Port size [Note1]		1/8"	1/4"	1/4"	3/8"	3/8"	1/2"
Filtering grade	M	0.3 μm (Capture efficiency 99.9%)					
	D	0.01 μm (Capture efficiency 99.9%)					
Pressure range		0.15~1.0MPa(20~145psi)					
Proof pressure		1.5MPa(215psi)					
Temperature range		-5~70°C(Unfreeze)					
Rated flow capacity [2]	M	200L/min		450L/min		1100L/min	
	D	120L/min		240L/min		600L/min	
Bowl Material		Polycarbonate, Nylon, Metal					
Capacity of drain bowl		19CC		54.5CC		89CC	
Weight	PC bowl	207g		356g		620g	
	Metallic bowl	238g		397g		627g	

[Note1] G thread is available.

[Note2] Conditions: inlet pressure 0.7MPa, outlet pressure 0.5MPa. The rated flow varies with the inlet pressure. If the flow exceeds the rated flow, oil will flow to the secondary side. Please note.

Symbol



Product feature

1. Low pressure drop, high oil mist remove efficiency up to 99% and large drain bowl.
2. 0.3 μm and 0.01 μm filtering grade are available.
3. Two drain types are available: manual and semi-auto drain, and automatic drain.
4. To meet the needs of different environment the bowl material has Poly Carbonate, nylon and metal can be selected.
5. Monomeric products can select the bracket for installation, others can be used with F.R.L Combination.

Ordering code

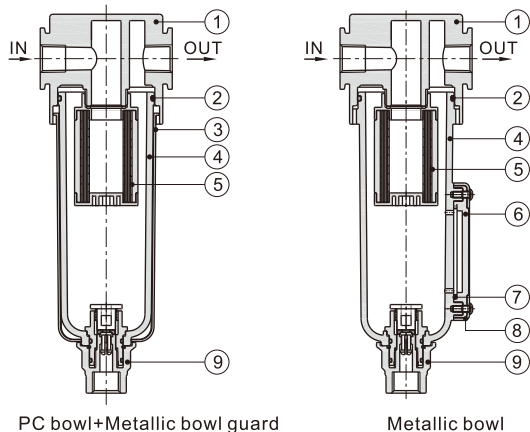
GPF300 ☐ 08 ☐ ☐ M G

① ② ③ ④ ⑤ ⑥ ⑦

① Model	② Bowl Material	③ Port size	④ Drain type	⑤ Accessories	⑥ Filtering grade	⑦ Thread type
GPF200: 200 Series Oil mist filter	Blank: PC bowl+Metallic bowl guard C: Metallic bowl N: Nylon bowl+Metallic bowl guard	06: 1/8" 08: 1/4"	Blank: Manual and Semi-auto drain A: Automatic drain	Blank: Bracket J: No bracket	M: 0.3 μm D: 0.01 μm	G: G Thread
GPF300: 300 Series Oil mist filter		08: 1/4" 10: 3/8"				
GPF400: 400 Series Oil mist filter		10: 3/8" 15: 1/2"				

Inner structure

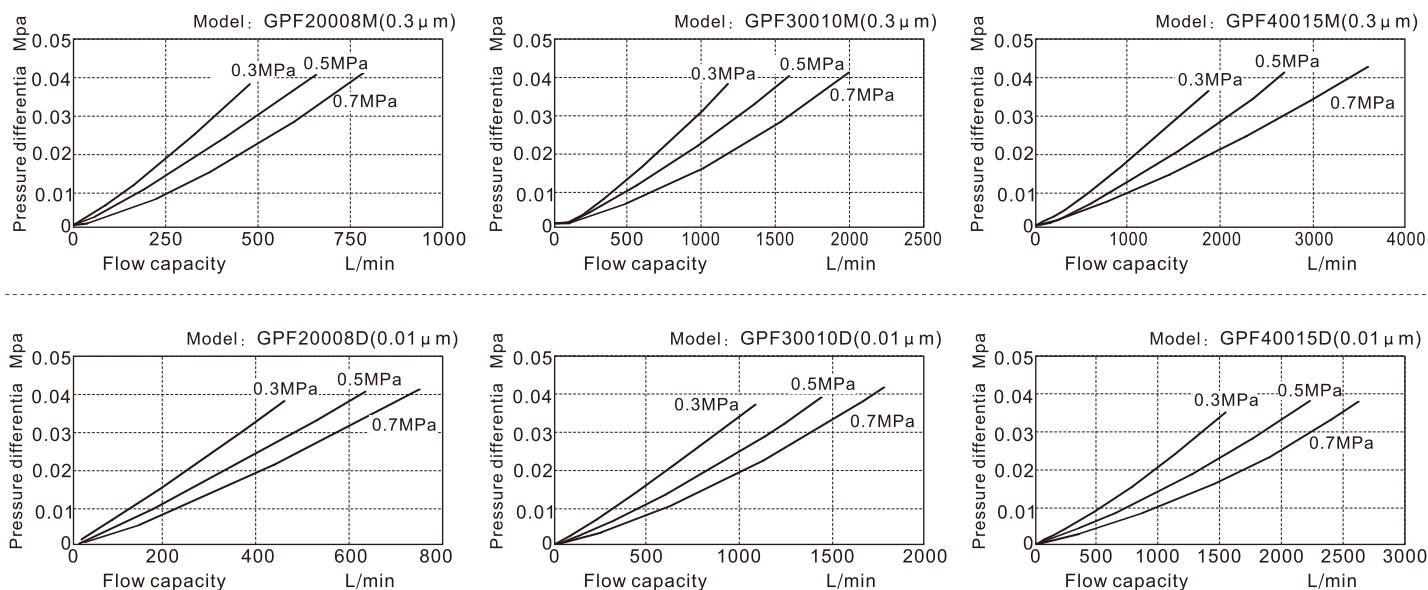
GPF300



No.	Item	Material
1	Body	Aluminium alloy
2	O-ring	NBR
3	Meter cover	SPCC
4	Drain bowl	PC\nylon\aluminium alloy
5	Filter core	Polymer materials
6	Liquid meter inside cover	PC
7	Liquid meter seal	NBR
8	Liquid meter cover	SPCC
9	Drain connection	Plastic

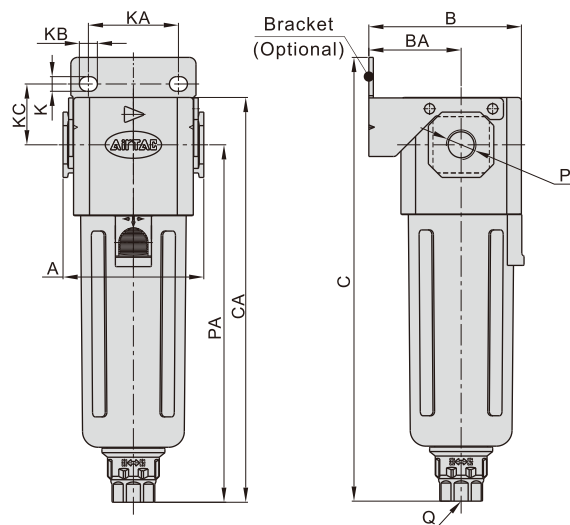
GP Series Oil mist filter

Flow chart

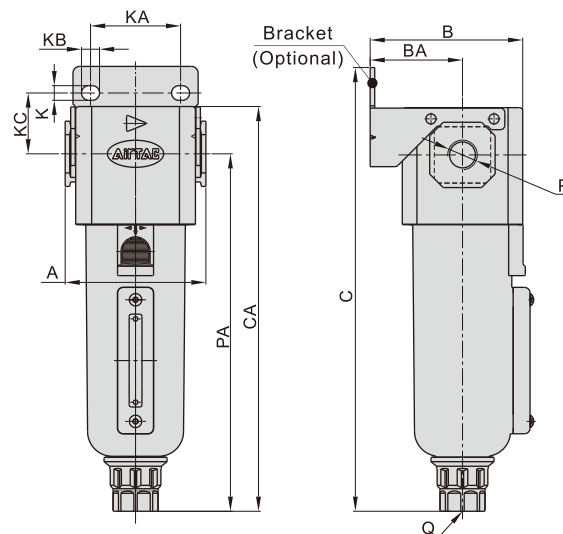


Dimensions

PC bowl+Metallic bowl guard



Metallic bowl



Model\Item	A	B	BA	C	CA	K	KA	KB	KC	P	PA	Q
GPF200(C/N)06	52.5	54.5	33	150	137	5.4	27	8.4	23	1/8"	120	M5X0.8
GPF200(C/N)08	52.5	54.5	33	150	137	5.4	27	8.4	23	1/4"	120	M5X0.8
GPF300(C/N)08	62.5	67.5	41	197	179	6.5	40	8	27	1/4"	158	G1/4
GPF300(C/N)10	62.5	67.5	41	197	179	6.5	40	8	27	3/8"	158	G1/4
GPF400(C/N)10	80	84	50	220	202.5	8.5	55	11	33.5	3/8"	177.5	G1/4
GPF400(C/N)15	80	84	50	220	202.5	8.5	55	11	33.5	1/2"	177.5	G1/4