

Precision Filters

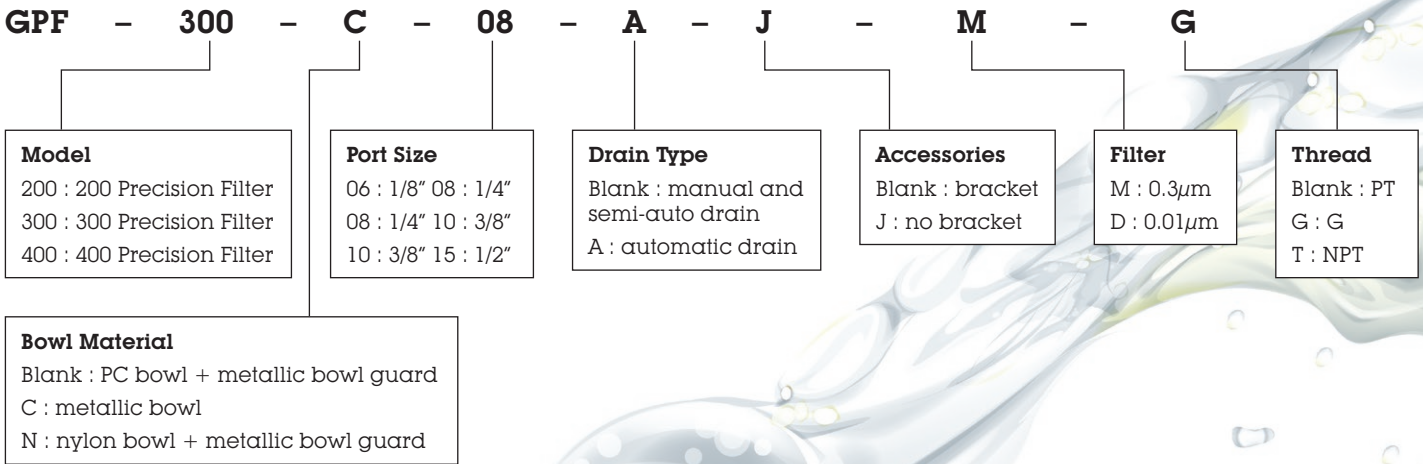


The newly developed GPF Precision Filter has been tested rigorously in our pneumatic lab

Product Features

- Small pressure loss, filtration efficiency up to 99% and large drain bowl
- 0.3 μ m and 0.01 μ m filtering grade available
- Two drain types are available: manual and semi-auto drain, automatic drain
- To meet the needs of different environments, the bowl material has polycarbonate, nylon and metal
- Monomeric product can choose use horn to install.

Ordering Code

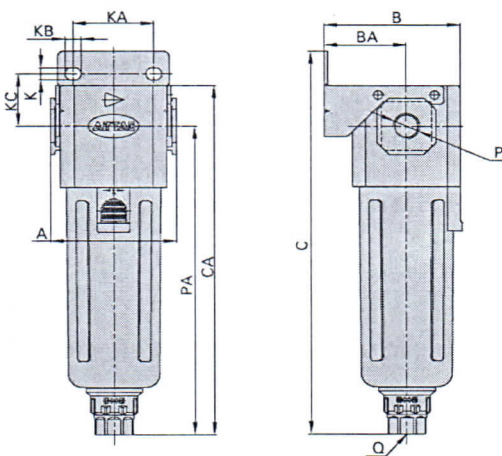


Specifications

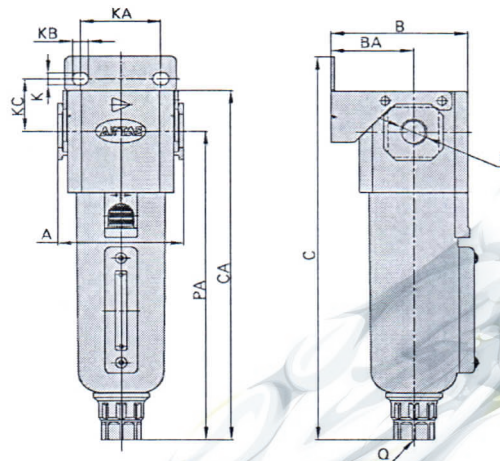
Model	GPF20006	GPF20008	GPF30006	GPF30010	GPF40010	GPF40015
Port size*	PT 1/8	PT 1/4	PT 1/4	PT 3/8	PT 3/8	PT 1/2
Fluid	Air					
Filtering Grade	M	0.3µm (capture efficiency 99.9%)				
	D	0.01µm (capture efficiency 99.9%)				
Pressure range	0.15 MPa – 1.0 MPa					
Proof pressure	1.5 MPa (215 psi)					
Temperature range	-5 to +70°C (no freeze)					
Bowl material	Polycarbonate, nylon, metal					
Bowl capacity	19cc		54.5cc			89cc
Mass	PC	207g		356g		620g
	Metallic	238g		397g		627g

*PT thread, G thread and NPT thread available.

PC bowl + metallic bowl guard



Metallic bowl

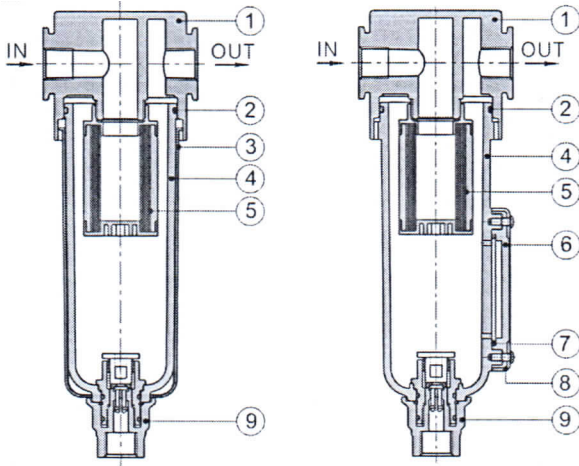


Dimensions

Type/Symbol	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	PT1/8	120	M5 x 0.8
GPF200(C/N)08	52.5	54.5	33	150	137	5.4	27	8.4	23.1	PT1/4	120	M5 x 0.8
GPF300(C/N)08	62.5	67.8	41	197	180	6.5	40	8	27	PT1/4	160	G1/4
GPF300(C/N)10	62.5	67.8	41	197	180	6.5	40	8	27	PT3/8	160	G1/4
GPF400(C/N)10	80	84	50	220	202.5	8.5	55	11	33.5	PT3/8	177.4	G1/4
GPF400(C/N)15	80	84	50	220	202.5	8.5	55	11	33.5	PT1/2	177.4	G1/4

Inner Structure

GPF300



PC bowl + metallic bowl guard

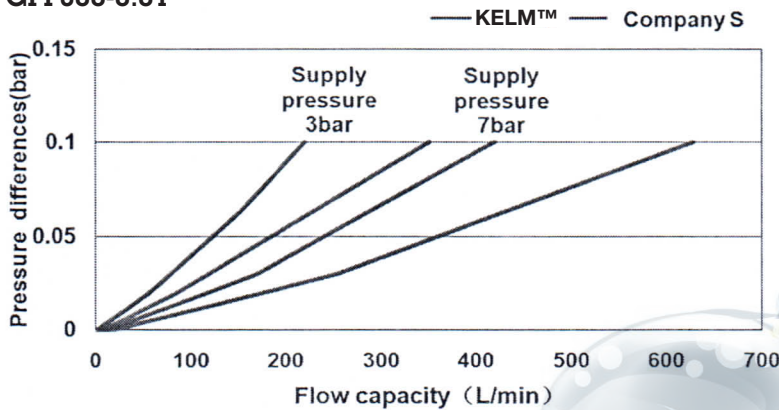
Metallic bowl

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

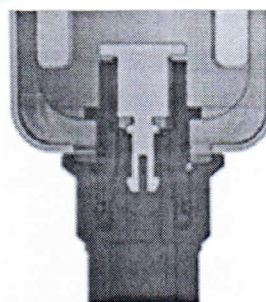
Advantages

The same specification product flow for more than 1.5 times of S company.

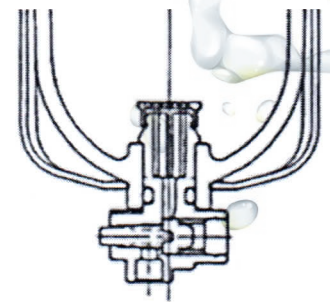
GPF300-0.01



The drainage structure of KELM™: manual and semi-auto drain (patent), when supply air, it can use manual drain, after air supply, it can use semi-auto drain. Company S: manual drain, we must manually screw drainage out, when air supply or stop.



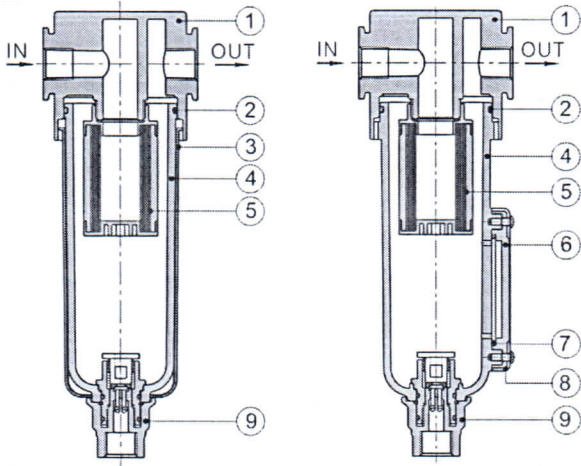
Drainage Structure of KELM™



Drainage Structure of Company S

Inner Structure

GPF300



PC bowl + metallic bowl guard

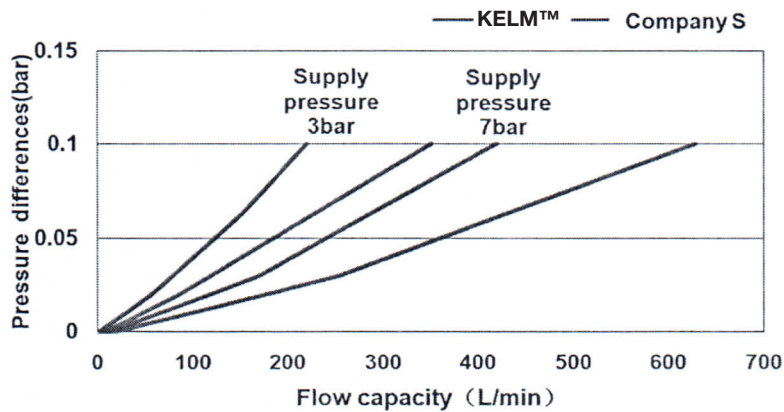
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GPF300-0.01



Installation and Application

- Install air filter (series GF) as a pre-filter on the inlet side of the mist separator to prevent premature clogging
- Do not install on the inlet side of the dryer as this can cause premature clogging of the element
- Replace the element every two years or when the pressure drop becomes 0.1 MPa, whichever comes first
- When the bowl is installed on the mist separator, install them so that the lock button lines up to the grooves of the front (or the back) of the body to avoid drop or damage of the bowl
- Unique diversion structure spins the air flowing through to effectively separate the liquid from the air and reliably filter the solid grain
- Do not allow air flow that exceeds the rated flow; if the air flow is allowed outside the range of the rated flow, even momentarily, drainage and lubricant may splash at the outlet side or cause damage to the component

