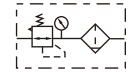


## GPFR Series Coalescing Filter & Regulator



### Ordering code

**GPFR300 □ 10 □ S □ □ M T**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Model	② Material of bowl	③ Port size	④ Drain type	⑤ Type code
GPFR200:GP200 Series Coalescing filter-regulator	Blank: PC N: Nylon C: Metal	06: 1/8" 08: 1/4"	Blank: Semi-auto drain+Metal drain A: Automatic drain	S: Standard L: Lower pressure [Note1]
GPFR300:GP300 Series Coalescing filter-regulator		08: 1/4" 10: 3/8"		
GPFR400:GP400 Series Coalescing filter-regulator		10: 3/8" 15: 1/2"		
⑥ Accessories	⑦ Pressure gauge	⑧ Filtering grade	⑨ Thread type	
Blank: Bracket J: No bracket	Blank: Circular with clip N: No pressure gauge	M: 0.3μm D: 0.01μm	T: NPT(Scale: bar/psi)	

[Note1] The maximum work pressure of lower pressure type is 58psi(0.4MPa).

### Specification

Model	GPFR200-06	GPFR200-08	GPFR300-08	GPFR300-10	GPFR400-10	GPFR400-15
Fluid	Air					
Port size [Note1]	1/8"	1/4"	1/4"	3/8"	3/8"	1/2"
Filtering grade	0.3μm or 0.01μm					
Pressure range	20~130psi(0.15~0.9MPa)					
Max. pressure	145psi(1.0MPa)					
Proof pressure	215psi(1.5MPa)					
Temperature range	-5~70°C(Unfreeze)					
Rated flow	M	150L/min		330L/min		820L/min
capacity [Note 2]	D	90L/min		180L/min		450L/min
Capacity of drain bowl		25CC		60CC		100CC
Weight		310g		500g		910g

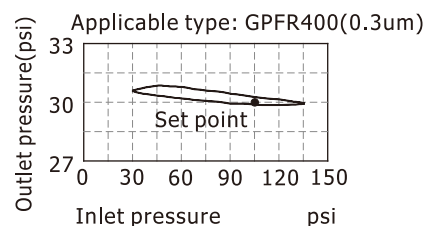
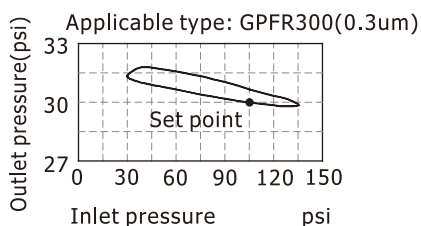
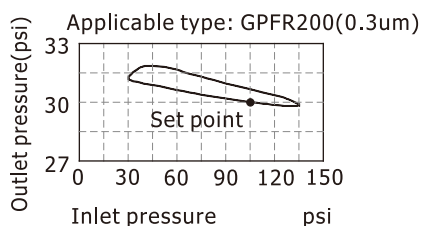
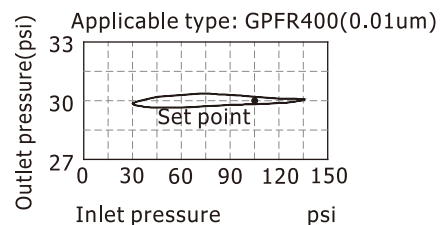
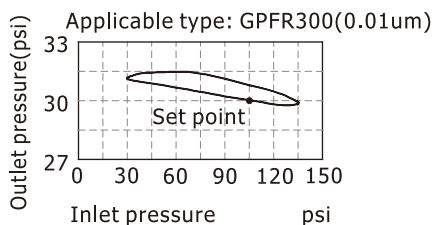
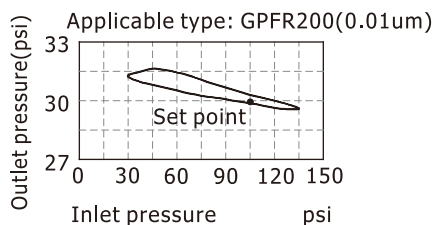
[Note1] NPT thread is available.

### Product feature

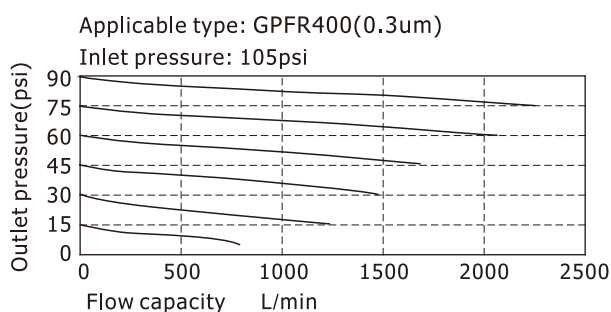
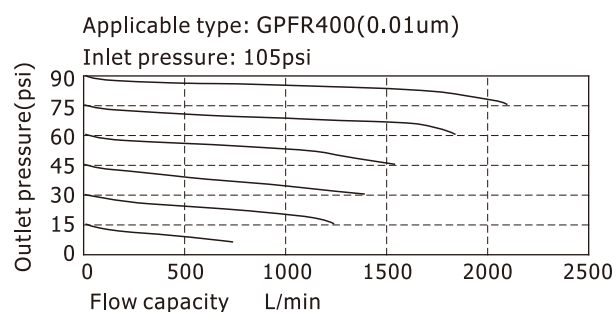
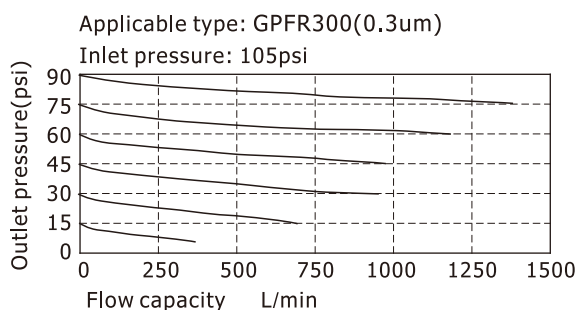
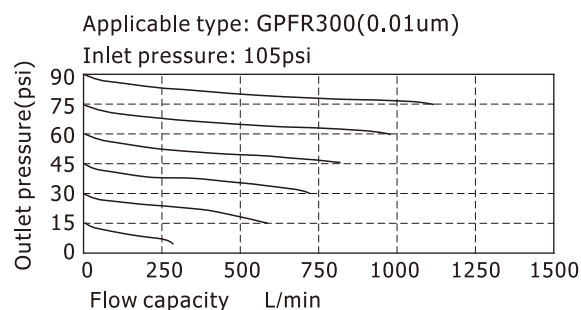
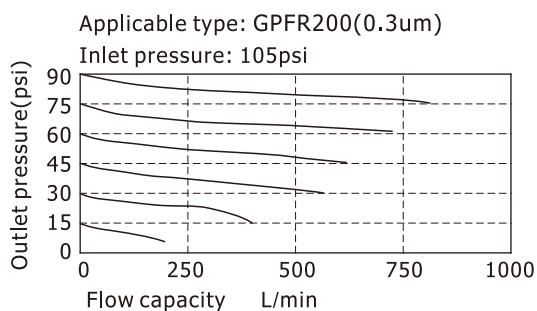
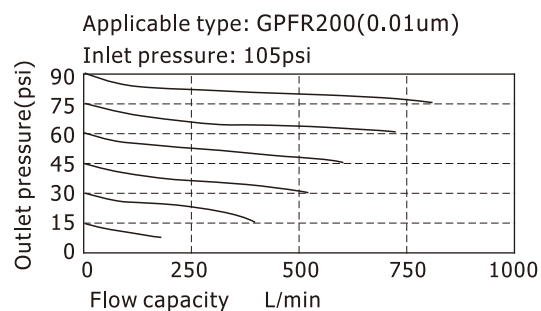
1. Circular square pressure gauge which with clip and magnifier is used to save installation space.
2. The pressed-in self-locking mechanism can prevent the abnormal movement of the set pressure caused by external interfere.
3. Balanced design is adopted for the pressure adjustment mechanism.
4. Unique diversion structure spins the air flowing through to effectively separate the liquid from the air and reliably filter the solid grain.
5. The filtering grade includes 0.3μm and 0.01μm (optional).
6. Two drain types are available: semi-auto drain and automatic drain.
7. Three material of bowl are available: PC, Nylon and metal.
8. The bracket can be selected for installation.

## GPFR Series Coalescing Filter & Regulator

### Pressure chart



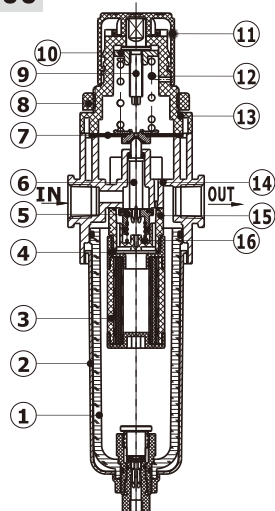
### Flow chart



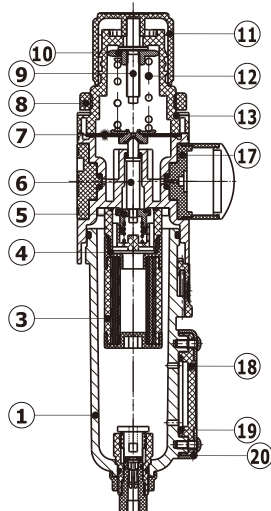
## GPFR Series Coalescing Filter & Regulator

### Inner structure

#### GPFR200



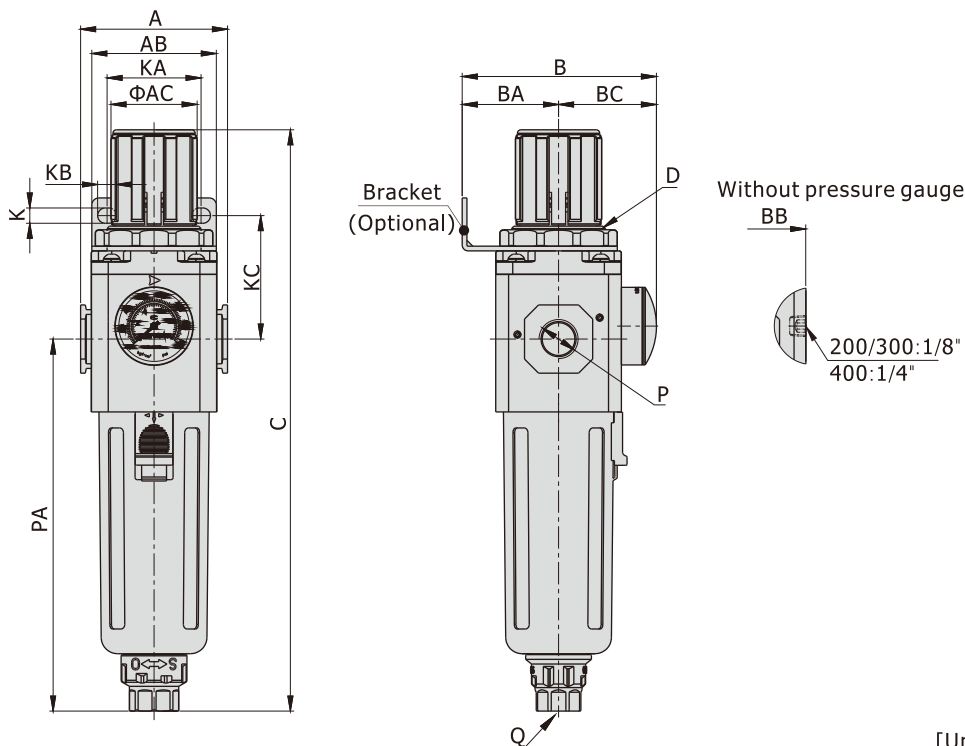
PC bowl+Metallic bowl guard



Metallic bowl

No.	Item
1	Drain bowl
2	Meter cover
3	Filter core
4	Gasket
5	Adjusting plug
6	Adjusting spool
7	Diaphragm
8	Fixation ring cap
9	Adjusting spindle
10	Regulator nut
11	Pressure knob
12	Spring
13	Adjusting seat
14	Body of filter-regulator
15	Gas distribution
16	Spring
17	Gauge
18	Liquid meter inside cover
19	Liquid meter seal
20	Liquid meter cover

### Dimensions



[Unit: mm]

Model\Item	A	AB	AC	B	BA	BB	BC	C	D	K	KA	KB	KC	P	PA	Q
GPFR200-06	52.5	55	31	69	30	51.5	39	192.5	M33x1.5	5.4	34	15.4	52	1/8"	120	M5X0.8
GPFR200-08	52.5	55	31	69	30	51.5	39	192.5	M33x1.5	5.4	34	15.4	52	1/4"	120	M5X0.8
GPFR300-08	62.5	53	38	82.5	41	67.5	41.5	247	M40x1.5	6.5	40	8	52.5	1/4"	158	G1/4
GPFR300-10	62.5	53	38	82.5	41	67.5	41.5	247	M40x1.5	6.5	40	8	52.5	3/8"	158	G1/4
GPFR400-10	80	72	52	99	50	84	49	285.5	M55x2.0	8.5	55	11	57	3/8"	177.5	G1/4
GPFR400-15	80	72	52	99	50	84	49	285.5	M55x2.0	8.5	55	11	57	1/2"	177.5	G1/4