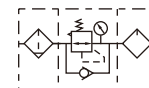


# Preparation unit——GA Series

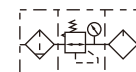
## GAC Series F.R.L. combination



Reflux valve is attached



No reflux valve is attached



### Ordering code

**GAC300**  **10**  **S**  **W T K**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Model	② Material of bowl	③ Port size	④ Drain type	
GAC200:GA200 Series F.R.L unit	Blank: PC N: Nylon C: Metal	06: 1/8" 08: 1/4"	Blank: Semi-auto drain A: Automatic drain	
GAC300:GA300 Series F.R.L unit		08: 1/4" 10: 3/8" 15: 1/2"		
GAC400:GA400 Series F.R.L unit		10: 3/8" 15: 1/2"		
GAC600:GA600 Series F.R.L unit		20: 3/4" 25: 1"		
C: Metal				
⑤ Type code	⑥ Pressure gauge	⑦ Filtering grade	⑧ Thread type	⑨ Reflux valve
S: Standard L: Lower pressure [Note1]	Blank: Circular with clip N: No pressure gauge	Blank: 40μm W: 5μm	T: NPT (Scale: bar/psi)	Blank: Without reflux valve K: with reflux valve [Note2]

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

[Note2] Please refer to page 141 for details of reflux valve.

### Product feature

1. Oil dripping adopts gap seal structure, which makes the adjustment of oil supply more reliable.
2. Oil feed ring can only make one full turn. The quantity of oil supply, basically taking on linear distribution. The quantity of oil supply can be generally calculated according to the position of graduation ring.
3. Filling of oil while the lubricator is under pressure is made possible.
4. Special drip nozzle structure will produce negative pressure in oil dripping outlet and the mist flow is minimal.
5. Quick and reliable mounting clamps makes it convenient to install and use.
6. The performance of pressure adjustment is reliable with high precision.
7. The efficiency of eliminating moisture and solid grain is high.
8. Two drain types are available: semi-auto drain and automatic drain.
9. Three material of bowl are available: PC, Nylon and metal.

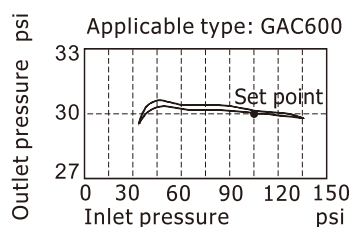
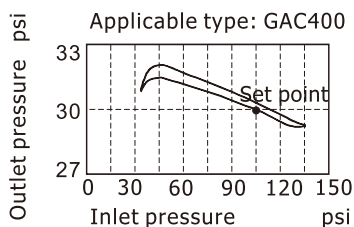
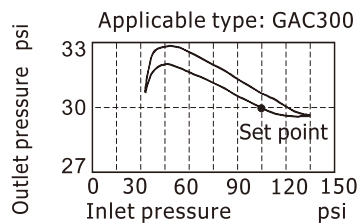
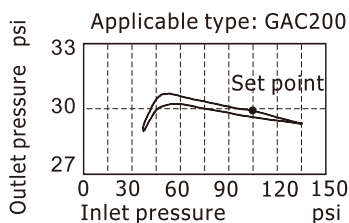
## GAC Series F.R.L. combination

### Specification

Model	GAC20006	GAC20008	GAC30008	GAC30010	GAC30015	GAC40010	GAC40015	GAC60020	GAC60025	
Fluid	Air									
Port size [Note1]	1/8"	1/4"	1/4"	3/8"	1/2"	3/8"	1/2"	3/4"	1"	
Filtering grade	40 μ m or 5 μ m									
Pressure range	20~130psi(0.15~0.9MPa)									
Max. pressure	145psi(1.0MPa)									
Proof pressure	215psi(1.5MPa)									
Temperature range	-5~70°C(Unfreeze)									
Capacity of drain bowl	25CC		60CC			100CC		205CC		
Capacity of oil bowl	36CC		98CC			185CC		410CC		
Recommended lubricant	ISO VG 32or equivalent									
Weight	750g		1300g			2390g		4600g		
Constitute	Filter	GAF20006	GAF20008	GAF30008	GAF30010	GAF30015	GAF40010	GAF40015	GAF60020	GAF60025
	Regulator	GAR20006	GAR20008	GAR30008	GAR30010	GAR30015	GAR40010	GAR40015	GAR60020	GAR60025
	Lubricator	GAL20006	GAL20008	GAL30008	GAL30010	GAL30015	GAL40010	GAL40015	GAL60020	GAL60025

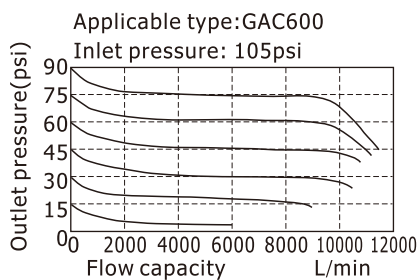
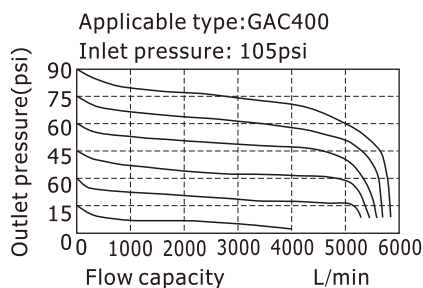
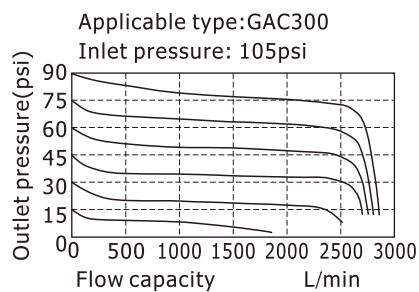
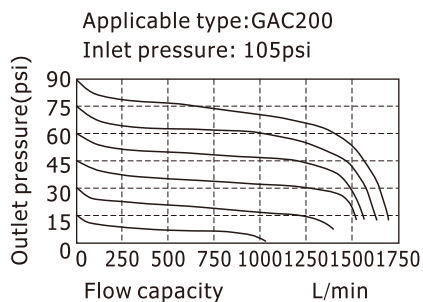
[Note1] NPT thread is available.

### Pressure chart

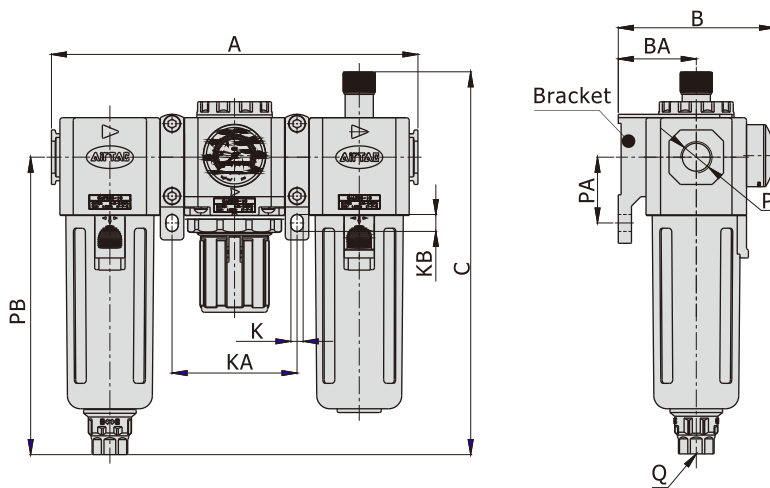


## GAC Series F.R.L. combination

### Flow chart



### Dimensions



[Unit: mm]

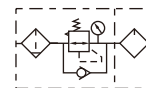
Model\Item	A	B	BA	C	K	KA	KB	P	PA	PB	Q
GAC200-06	163.5	69	30	160	5.5	55.5	8.5	1/8"	25	120	M5X0.8
GAC200-08	163.5	69	30	160	5.5	55.5	8.5	1/4"	25	120	M5X0.8
GAC300-08	195	83	41.5	203.5	6.5	66.5	9	1/4"	35	158	G1/4
GAC300-10	195	83	41.5	203.5	6.5	66.5	9	3/8"	35	158	G1/4
GAC300-15	195	83	41.5	203.5	6.5	66.5	9	1/2"	35	158	G1/4
GAC400-10	248	99	50	227	8.6	84	12	3/8"	40	177.5	G1/4
GAC400-15	248	99	50	227	8.6	84	12	1/2"	40	177.5	G1/4
GAC600-20	312	128	70	267.5	11	106	16	3/4"	50	205	G1/4
GAC600-25	312	128	70	267.5	11	106	16	1"	50	205	G1/4

# Preparation unit——GA Series

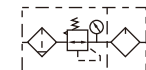
## GAFC Series F.R.L. combination



Reflux valve is attached



No reflux valve is attached



### Ordering code

**GAFC300**  **10**  **S**  **W T K**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Model	② Material of bowl	③ Port size	④ Drain type		
GAFC200:GA200 Series FR.L unit	Blank: PC N: Nylon C: Metal	06: 1/8" 08: 1/4"	Blank: Semi-auto drain A: Automatic drain		
GAFC300:GA300 Series FR.L unit		08: 1/4" 10: 3/8" 15: 1/2"			
GAFC400:GA400 Series FR.L unit		10: 3/8" 15: 1/2"			
GAFC600:GA600 Series FR.L unit		20: 3/4" 25: 1"			
	C: Metal				
⑤ Type code	⑥ Pressure gauge	⑦ Filtering grade	⑧ Thread type	⑨ Reflux valve	
S: Standard L: Lower pressure [Note1]	Blank: Circular with clip N: No pressure gauge	Blank: 40μm W: 5μm	T: NPT (Scale: bar/psi)	Blank: Without reflux valve K: with reflux valve [Note2]	

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

[Note2] Please refer to page 141 for details of reflux valve.

### Product feature

1. Quick and reliable mounting clamps makes it convenient to install and use.
2. The performance of pressure adjustment is reliable with high precision.
3. The efficiency of eliminating moisture and solid grain is high.
4. Two drain types are available: semi-auto drain and automatic drain.
5. Three material of bowl are available: PC, Nylon and metal.

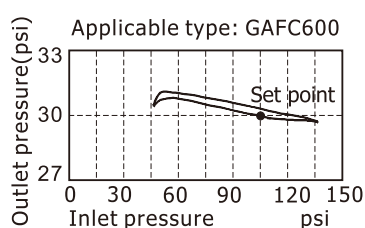
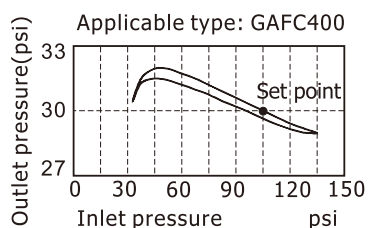
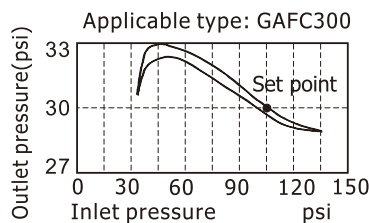
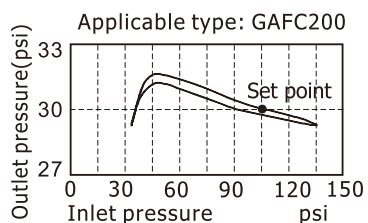
## GAFC Series F.R.L. combination

### Specification

Model	GAFC20006	GAFC20008	GAFC30008	GAFC30010	GAFC30015	GAFC40010	GAFC40015	GAFC60020	GAFC60025	
Fluid	Air									
Port size [Note1]	1/8"	1/4"	1/4"	3/8"	1/2"	3/8"	1/2"	3/4"	1"	
Filtering grade	40 μ m or 5 μ m									
Pressure range	20~130psi(0.15~0.9MPa)									
Max. pressure	145psi(1.0MPa)									
Proof pressure	215psi(1.5MPa)									
Temperature range	-5~70°C(Unfreeze)									
Capacity of drain bowl	25CC		60CC			100CC		205CC		
Capacity of oil bowl	36CC		98CC			185CC		410CC		
Recommended lubricant	ISO VG 32or equivalent									
Weight	590g		1020g			1810g		3430g		
Constitute	Filter-Regulator	GAFR20006	GAFR20008	GAFR30008	GAFR30010	GAFR30015	GAFR40010	GAFR40015	GAFR60020	GAFR60025
	Lubricator	GAL20006	GAL20008	GAL30008	GAL30010	GAL30015	GAL40010	GAL40015	GAL60020	GAL60025

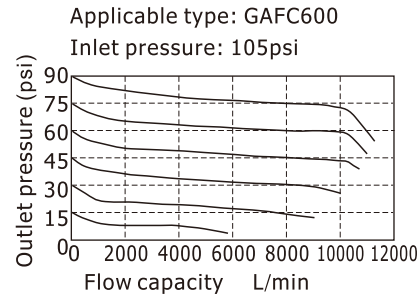
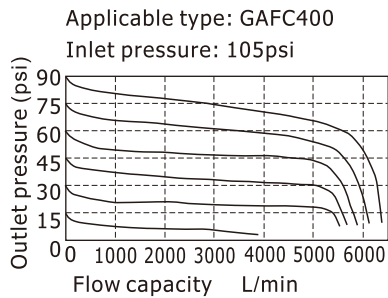
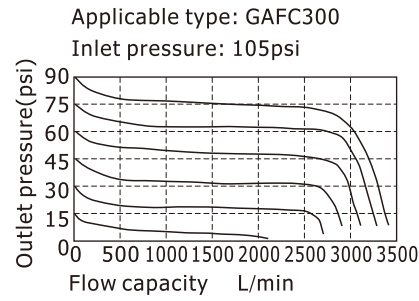
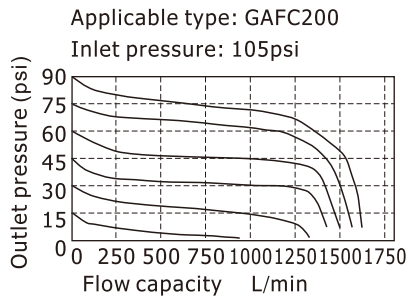
[Note1] NPT thread is available.

### Pressure chart

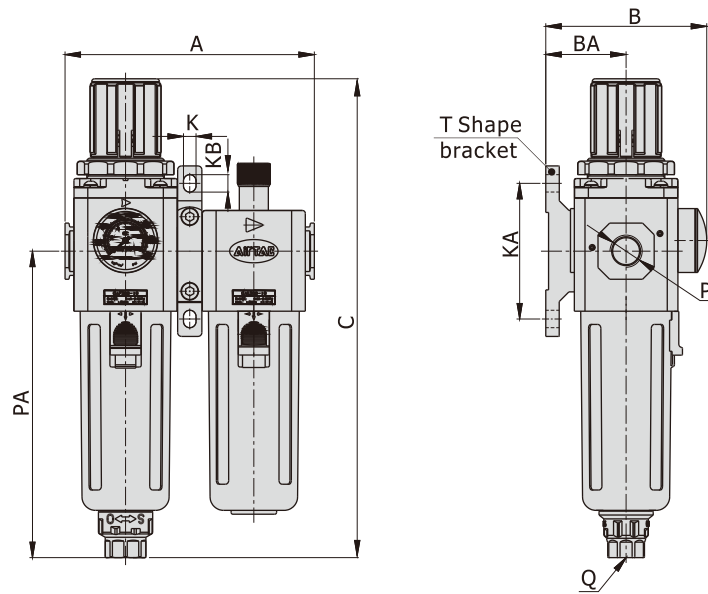


## GAFC Series F.R.L. combination

### Flow chart



### Dimensions



[Unit: mm]

Model\Item	A	B	BA	C	K	KA	KB	P	PA	Q
GAFC200-06	107.5	69	30	192.5	5.5	50	8.5	1/8"	120	M5X0.8
GAFC200-08	107.5	69	30	192.5	5.5	50	8.5	1/4"	120	M5X0.8
GAFC300-08	128.5	83	41.5	247	6.5	70	9	1/4"	158	G1/4
GAFC300-10	128.5	83	41.5	247	6.5	70	9	3/8"	158	G1/4
GAFC300-15	128.5	83	41.5	247	6.5	70	9	1/2"	158	G1/4
GAFC400-10	164	99	50	285.5	8.5	80	12	3/8"	177.5	G1/4
GAFC400-15	164	99	50	285.5	8.5	80	12	1/2"	177.5	G1/4
GAFC600-20	208	128	70	336.5	11	100	16	3/4"	205	G1/4
GAFC600-25	208	128	70	336.5	11	100	16	1"	205	G1/4

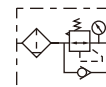
# Preparation unit—GA Series



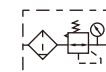
## GAFR Series Filter & regulator



Reflux valve is attached



No reflux valve is attached



### Ordering code

**GAFR300**  **10**  **S**   **W T K**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

① Model	② Material of bowl	③ Port size	④ Drain type	⑤ Type code
GAFR200:GA200 Series filter-regulator	Blank: PC N: Nylon C: Metal	06: 1/8" 08: 1/4"	Blank: Semi-auto drain A: Automatic drain	S: Standard L: Lower pressure [Note1]
GAFR300:GA300 Series filter-regulator		08: 1/4" 10: 3/8" 15: 1/2"		
GAFR400:GA400 Series filter-regulator		10: 3/8" 15: 1/2"		
GAFR600:GA600 Series filter-regulator	20: 3/4" 25: 1"			
C: Metal				
⑥ Accessories	⑦ Pressure gauge	⑧ Filtering grade	⑨ Thread type	⑩ Reflux valve
Blank: Bracket J: No bracket	Blank: Circular with clip N: No pressure gauge	Blank: 40μm W: 5μm	T: NPT (Scale: bar/psi)	Blank: Without reflux valve K: with reflux valve [Note2]

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

[Note2] Please refer to page 141 for details of reflux valve.

### 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 5 μ m and 40 μ m (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.



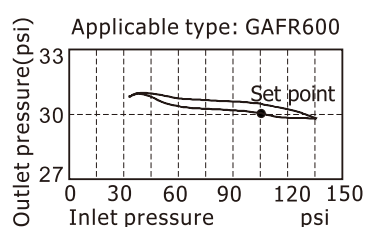
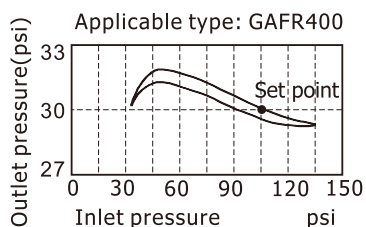
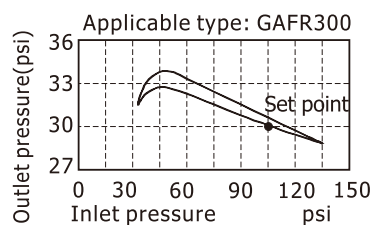
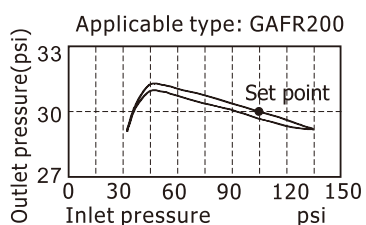
## GAFR Series Filter & regulator

### Specification

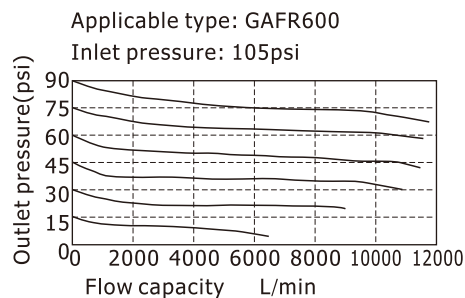
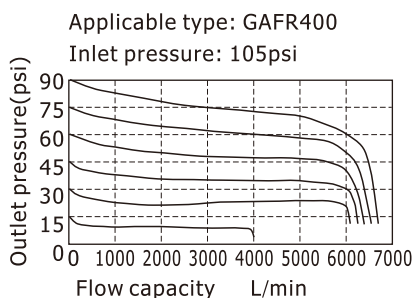
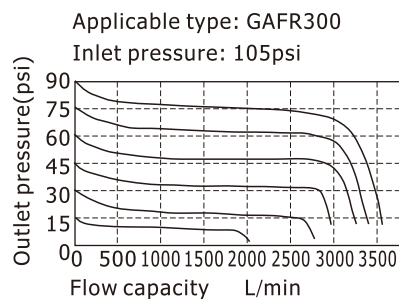
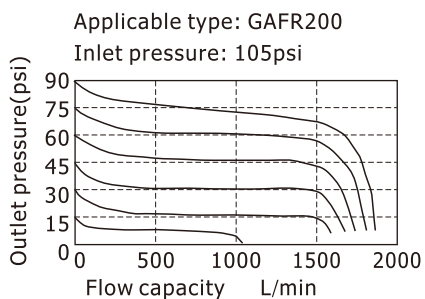
Model	GAFR20006	GAFR20008	GAFR30008	GAFR30010	GAFR30015	GAFR40010	GAFR40015	GAFR60020	GAFR60025
Fluid	Air								
Port size [Note1]	1/8"	1/4"	1/4"	3/8"	1/2"	3/8"	1/2"	3/4"	1"
Filtering grade	40 μm or 5 μm								
Pressure range	20~130psi(0.15~0.9MPa)								
Max. pressure	145psi(1.0MPa)								
Proof pressure	215psi(1.5MPa)								
Temperature range	-5~70°C(Unfreeze)								
Capacity of drain bowl	25CC		60CC			100CC		205CC	
Weight	290g		500g			880g		1880g	

[Note1] NPT thread is available.

### Pressure chart



### Flow chart

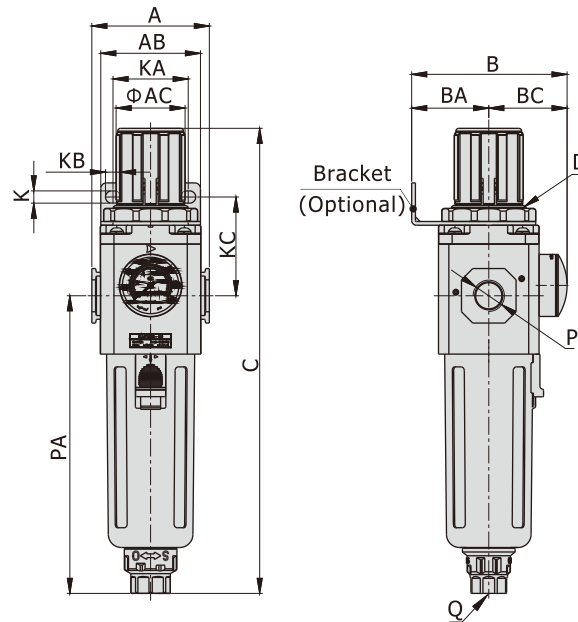




# Preparation unit—GA Series

## GAFR Series Filter & regulator

### Dimensions



[Unit: mm]

Model\Item	A	AB	AC	B	BA	BC	C	D	K	KA	KB	KC	P	PA	Q
GAFR200-06	52.5	55	31	69	30	39	192.5	M33x1.5	5.4	34	15.4	52	1/8"	120	M5X0.8
GAFR200-08	52.5	55	31	69	30	39	192.5	M33x1.5	5.4	34	15.4	52	1/4"	120	M5X0.8
GAFR300-08	62.5	53	38	82.5	41	41.5	247	M40x1.5	6.5	40	8	52.5	1/4"	158	G1/4
GAFR300-10	62.5	53	38	82.5	41	41.5	247	M40x1.5	6.5	40	8	52.5	3/8"	158	G1/4
GAFR300-15	62.5	53	38	82.5	41	41.5	247	M40x1.5	6.5	40	8	52.5	1/2"	158	G1/4
GAFR400-10	80	72	52	99	50	49	285.5	M55x2.0	8.5	55	11	57	3/8"	177.5	G1/4
GAFR400-15	80	72	52	99	50	49	285.5	M55x2.0	8.5	55	11	57	1/2"	177.5	G1/4
GAFR600-20	100	90	59	128	70	58	336.5	M62x1.5	11	66	13	76	3/4"	205	G1/4
GAFR600-20	100	90	59	128	70	58	336.5	M62x1.5	11	66	13	76	1"	205	G1/4