1

Preparation unit——A、B Series

Production's series



Installation and application

- Check whether the components have been damaged during transportation before installing and using.
- 2. Pay attention to whether the flow direction of air (notice "→" direction) and thread type are correct.
- 3. Please notice whether installation condition accords with technical requirements (such as "working pressure" and "applied temperature range")
- 4. The medium used or installation environment shall be noticed. The matters with chlorine, carbon compound, aromatic compound and oxidizing acid and alkali shall be avoided to prevent the damage of bowl and oil bowl.
- $5. \ Regularly\ clean\ or\ change\ filter\ core.\ Lubricators\ and\ regulators\ shall\ be\ in\ descending\ order.$
- 6. Keep dust away. The dust cover shall be installed in intake and outlet when the device is dismantled and stored.

 \boldsymbol{A}

AITTAC

AC、BC Series





Symbol



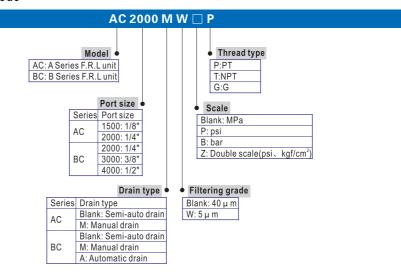
Product feature

- 1. The structure is delicate and compact, which is convenient for installation and application.
- The pressed-in self-locking mechanism can prevent the abnormal movement of the set pressure caused by external interfere.
- 3. The pressure loss is low and the efficiency of water separating is high.
- 4. The quantity of oil dripping can be directly observed through transparent check-dome.
- 5. In addition to standard type, lower pressure type is optional (The highest adjustable pressure is 0.4MPa).

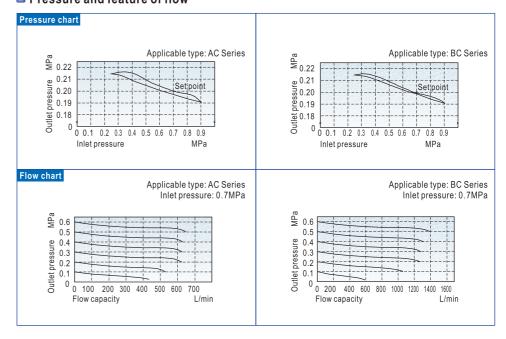
Specification

Model		AC1500	AC2000	BC2000	BC3000	BC4000			
Fluid				Air					
Port size		1/8"	1/4"	1/4"	3/8"	1/2"			
Filtering gr	ade			40 μ m or 5 μ m					
Pressure ra	ange	Semi-auto and auto	omatic drain:0.15~0.	9MPa(20~130Psi)	Manual drain:0.05~	0.9MPa(7~130Psi)			
Max. press	ure		1.0MPa(145Psi)						
Proof pres	sure	1.5MPa(215Psi)							
Temperatu	re range	–20~70°C							
Capacity o	f drain bowl	15	CC		60CC				
Capacity o	f oil bowl	25	CC		90CC				
Recommen	nded	ISO VG 32 or equivalent							
Weight		700g		900g					
	Filter	AF1500	AF2000	BF2000	BF3000	BF4000			
Constitute	Regulator	AR1500	AR2000	BR2000	BR3000	BR4000			
	Lubricator	AL1500	AL2000	BL2000	BL3000	BL4000			

Ordering code



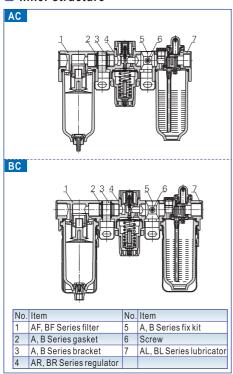
Pressure and feature of flow



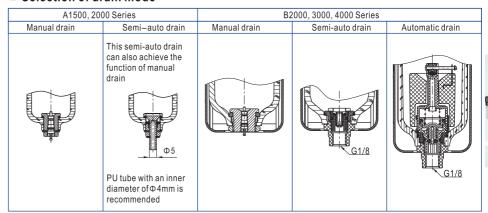


AC、BC Series

Inner structure

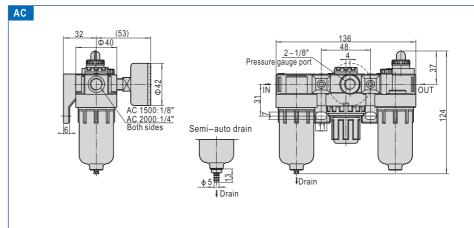


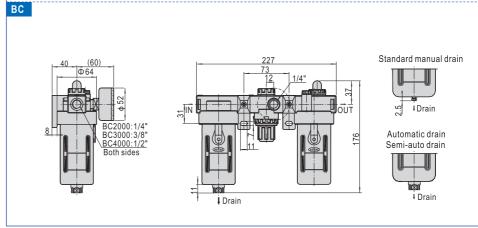
Selection of drain mode



AC BC

Dimensions





4

AITTAC

AFC、BFC Series





Symbol



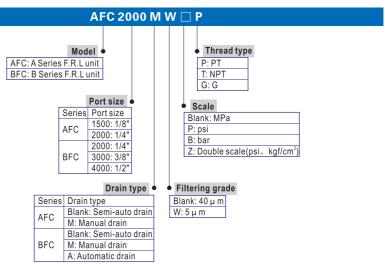
Product feature

- 1. The structure is delicate and compact, which is convenient for installation and application.
- The pressed-in self-locking mechanism can prevent the abnormal movement of the set pressure caused by external interfere.
- 3. The pressure loss is low and the efficiency of water separating is high.
- 4. The quantity of oil dripping can be directly observed through transparent check dome.
- 5. In addition to standard type, lower pressure type is optional (The highest adjustable pressure is 0.4MPa).

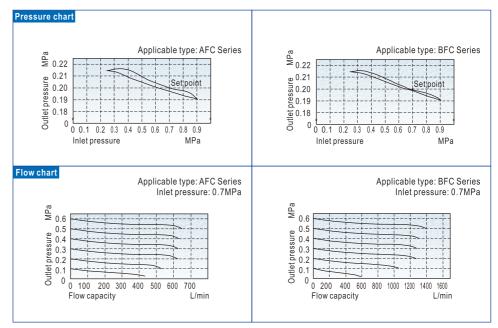
Specification

Model		AFC1500	AFC2000	BFC2000	BFC3000	BFC4000		
Fluid				Air				
Port size		1/8"	1/4"	1/4"	3/8"	1/2"		
Filtering gr	ade		40 μ m or 5 μ m					
Pressure ra	ange	Semi-auto and autor	matic drain:0.15~0.	9MPa(20~130Psi)	Manual drain:0.05	~0.9MPa(7~130Psi		
Max. press	ure	1.0MPa(145Psi)						
Proof press	sure	1.5MPa(215Psi)						
Temperatu	re range	−20~70°C						
Capacity of	f drain bowl	15	CC		60CC			
Capacity of	f oil bowl	25CC 90CC						
Recommended lubricant		ISO VG 32 or equivalent						
Weight		500g 7			700g			
Constitute	Filter-Regulator	AFR1500	AFR2000	BFR2000	BFR3000	BFR4000		
Constitute	Lubricator	AL1500	AL2000	BL2000	BL3000	BL4000		

Ordering code



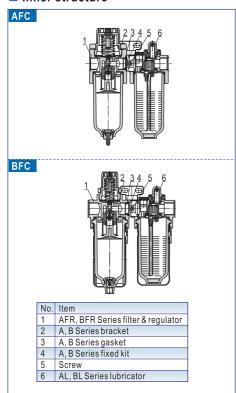
Pressure and feature of flow





AFC、BFC Series

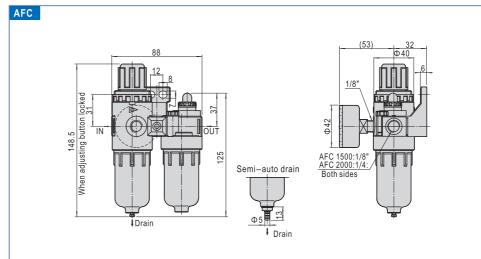
Inner structure



Selection of drain mode

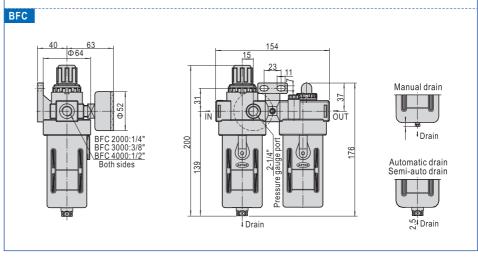
The drain modes of different series are different. Pleaserefer to P 155 for details.

Dimensions





AFC BFC





AFR、BFR Series



Symbol



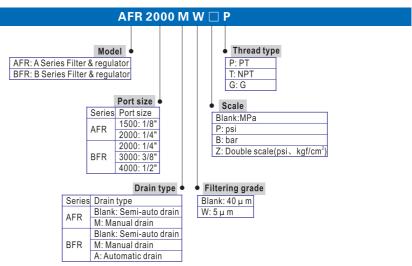
Product feature

- 1. The structure is delicate and compact, which is convenient for installation and application.
- The pressed-in self-locking mechanism can prevent the abnormal movement of the set pressure caused by external interfere.
- 3. The pressure loss is low and the efficiency of water separating is high;
- 4. In addition to standard type, lower pressure type is optional (The highest adjustable pressure is 0.4MPa).

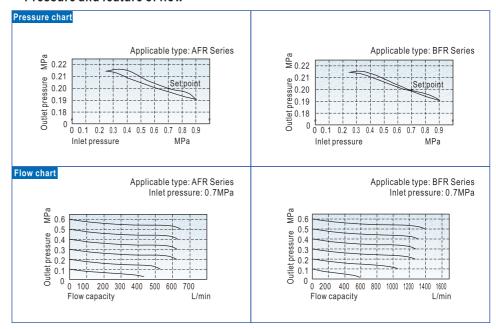
Specification

Model	AFR1500	AFR2000	BFR2000	BFR3000	BFR4000			
Fluid			Air					
Port size	1/8"	1/4"	1/4"	3/8"	1/2"			
Filtering grade		40 μ m or 5 μ m						
Pressure range	Semi-auto and auto	omatic drain:0.15~0.	Manual drain:0.05~0.9MPa(7~130Psi)					
Max. pressure	1.0MPa(145Psi)							
Proof pressure	1.5MPa(215Psi)							
Temperature range	−20~70°C							
Capacity of drain bowl	15CC		60CC					
Weight	26	0g	400g					

Ordering code



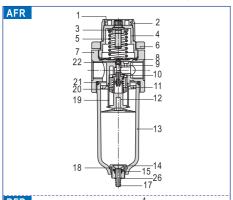
Pressure and feature of flow

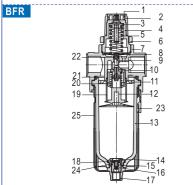




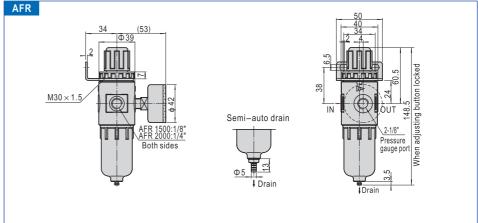
AFR、BFR Series

■ Inner structure and Material of major parts ■ Dimensions



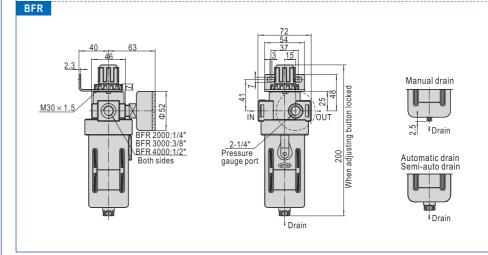


No.	Item		Material
1	Push but	ton	POM
2	Adjusting	button	POM
3	Adjusting	nut	Steel
4	Adjusting	gseat	POM
5	Adjusting	gspring	SWC
6	Fixed rin	g	POM
7	Body		Aluminum alloy
8	Diaphrag	jm	SUS304 & rubber
9	Balance	needle	POM
10	needle g	asket	Aluminum alloy & rubber
11	Air guide	r	POM
12	Umbrella	baffle	POM
13	Drain boy	νl	PC
14	Drain kit		POM
15	Return s	oring	Stainless steel
16	Drain sea	at	POM
17	Drain pill	ar	POM
18	Drain O-ı	ring	NBR
19	Filter	5 μ m	Makrolon fiber
19	element	40 μ m	Agglomerated by bronze grain
20	Return s	oring	Stainless steel
21			NBR
22	Needle C)-ring	NBR
23	Bowl guard switch		POM
24	Gasket		POM
25	Bowl gua	rd	PA66
26	Clip		Spring steel
			· · · · · · · · · · · · · · · · · · ·









Selection of drain mode

The drain modes of different series are different. Pleaserefer to P 155 for details.

AITTAC

AF、BF Series



Symbol



Product feature

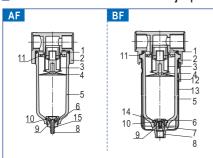
AF series

- 1. The structure is delicate and compact.
- 2. The pressure loss is low and the efficiency of water separating is high;
- 3. The filter precision includes 5 μ m and 40 μ m (optional);

BF series

- 1. The pressure loss is low and the efficiency of water separating is high.
- 2. The bowl has high-strength plastic shields outside, which is more safe and reliable to use.
- 3. The filter precision includes 5 μ m and 40 μ m (optional).

Inner structure and material of major parts



No.	Item		Material		
1	Drain bo	wl O-ring	NBR		
2	Body		Aluminum alloy		
3	Filter	5 μ m	Makrolon fiber		
3	element	40 μ m	Agglomerated by bronze grain		
4	Umbrella	a baffle	POM		
5	Drain bo	wl	PC		
6	Drain kit		POM		
7	Drain se	at	POM		
8	Drain pil	lar	POM		
9	Returns	pring	Stainless steel		
10	Gasket		POM		
11	Air guide	er	POM		
12	Bowl guard switch		POM		
13	Bowl gua	ard	PA6		
14	14 Drain seat O-ring		NBR		
15	Clip		Spring steel		

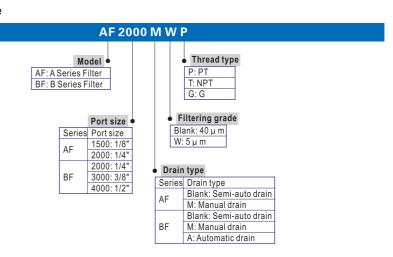
Selection of drain mode

The drain modes of different series are different. Please refer to P155 for details.

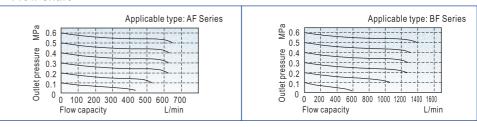
Specification

Model	AF1500	AF2000	BF2000	BF3000	BF4000		
Fluid		Air					
Port size	1/8"	1/4"	1/4"	3/8"	1/2"		
Filtering grade	40 μ m or 5 μ m						
Pressure range	Semi-auto and automatic drain: 0.15~0.9MPa(20~130Psi) Manual drain: 0.05~0.9MPa(7~130Psi)						
Proof pressure	1.5MPa(215Psi)						
Temperature range	-20~70°C						
Capacity of drain bowl	15CC 60CC						
Weight	14	140g 330g					

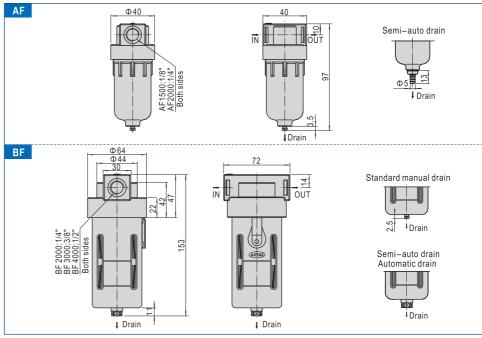
Ordering code



Flow chart



Dimensions



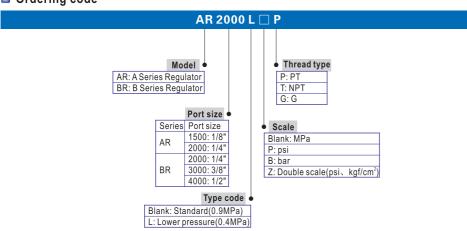


AR, BR Series

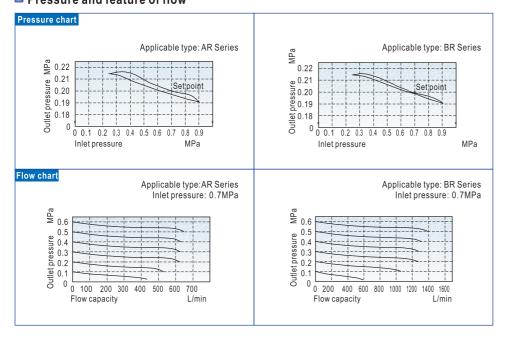
Specification

Model	Ar1500	AR2000	BR2000	BR3000	BR4000		
Fluid		Air					
Port size	1/8"	1/4"	1/4"	3/8"	1/2"		
Pressure range	0.05~0.9MPa(7~130Psi)						
Max. pressure	1.0MPa(145Psi)						
Proof pressure	1.5MPa(215Psi)						
Temperature range	−20~70°C						
Weight	200g 230g						

Ordering code



■ Pressure and feature of flow







AR BR

Symbol



Product feature

- 1. The structure is delicate and compact, which is convenient for installation and application.
- The pressed-in self-locking mechanism can prevent the abnormal movement of the set pressure caused by external interfere.
- 3. In addition to standard type, lower pressure type is optional (The highest adjustable pressure is 0.4MPa).



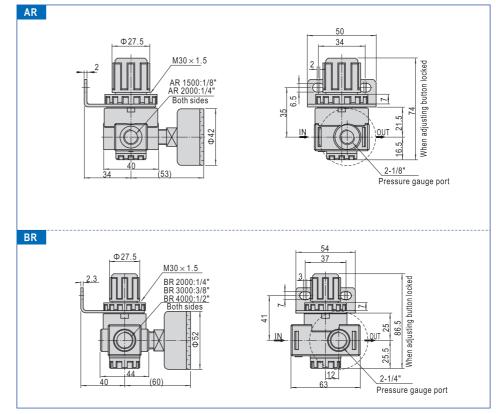
AR、BR Series

Inner structure and material of major parts

BR 1
2
3
5
6 7
9 10
11
12
13
UL###### 15

No.	Item	Material	
1	Push button	POM	
2	Adjusting button	POM	
3	Adjusting nut	Steel	
4	Adjusting pillar	Steel	
5	Adjusting spring	SWC	
6	Fixed ring	POM	
7	Adjusting seat	POM	
8	Body	Aluminum alloy	
9	Diaphragm	SUS304 & rubber	
10	Needle O-ring	NBR	
11	Balance needle	POM	
12	Needle gasket	Aluminum alloy & rubber	
13 Cap O-ring		NBR	
14	Return spring	Stainless steel	
15	Regulator cap	POM	

Dimensions

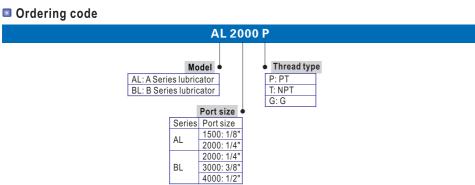




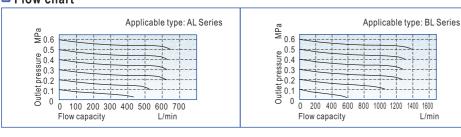
AL、BL Series

Specification

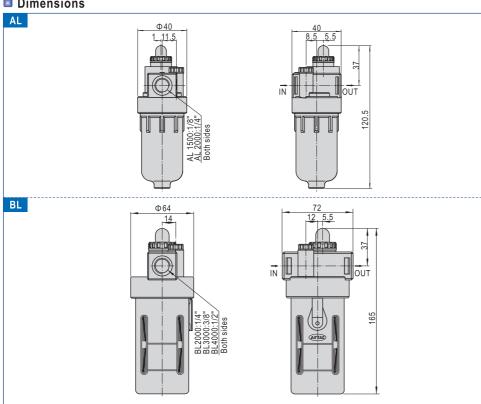
Model	AL1500	AL2000	BL2000	BL3000	BL4000		
Fluid		Air					
Port size	1/8"	1/4"	1/4"	3/8"	1/2"		
Pressure range	0.05~0.9MPa(7~130Psi)						
Proof pressure	1.5MPa(215Psi)						
Temperature range	–20~70℃						
Capacity of oil bowl	25CC 90CC						
Recommended	ISO VG 32 or equivalent						
Weight	170g		250g				



Flow chart



Dimensions







Symbol



■ Product feature

- 1. The structure is delicate and compact.
- 2. The quantity of oil dripping can be directly observed through transparent inspection sheet.
- 3. BL has high-strength plastic shields, which is more safe and reliable to use.
- 4. The pressure loss and the flow of miststart is low.

Inner structure and material of major parts

