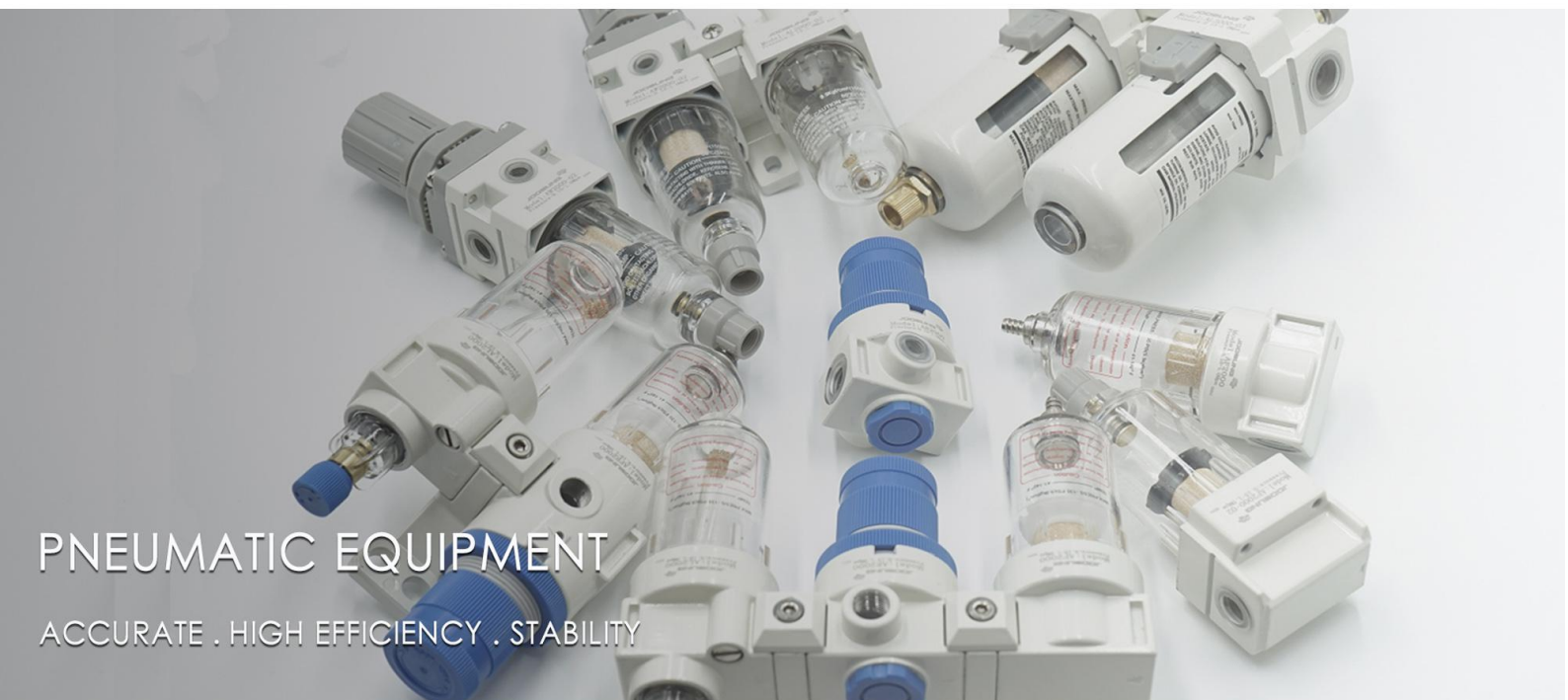


A collection of various pneumatic components, including solenoid valves, air filters, and regulators, arranged on a white surface. Some components have blue and white plastic housings, while others have clear cylindrical bodies showing internal mechanisms.

PNEUMATIC EQUIPMENT

ACCURATE . HIGH EFFICIENCY . STABILITY

Wenzhou Qiaosen Pneumatic Co., Ltd

Air preparation unit

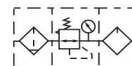


Preparation unit——A, B Series

AC、BC Series F.R.L. Combination



Symbol



Product feature

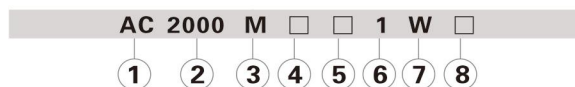
1. The structure is delicate and compact, which is convenient for installation and application.
2. The pressed-in self-locking mechanism can prevent the abnormal movement of the set pressure caused by external interfere.
3. The pressure loss is low and the efficiency of water separating is high.
4. The 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 [Note1]		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)				
Max. pressure		1.0MPa(145Psi)				
Proof pressure		1.5MPa(215Psi)				
Temperature range		-5~70°C(unfreeze)				
Capacity of drain bowl		15CC			60CC	
Capacity of oil bowl		25CC			90CC	
Recommended lubricant		ISO VG 32 or equivalent				
Weight		700g			900g	
Constitute	Filter	AF1500	AF2000	BF2000	BF3000	BF4000
	Regulator	AR1500	AR2000	BR2000	BR3000	BR4000
	Lubricator	AL1500	AL2000	BL2000	BL3000	BL4000

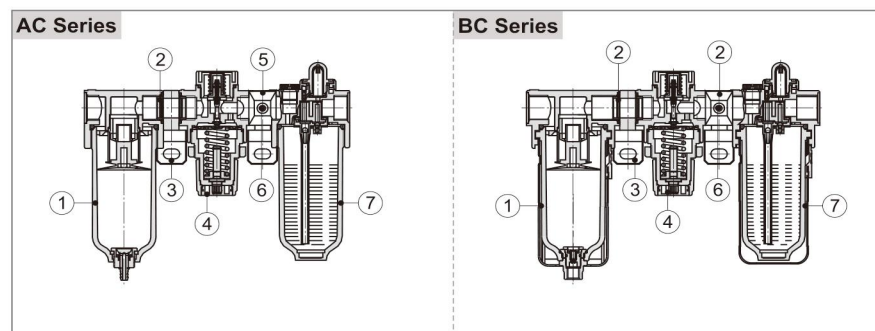
[Note1] PT thread, G thread and NPT thread are available.

Ordering code



① Model	② Port size	③ Drain type	④ Type code	⑤ Pressure gauge	⑥ Scale	⑦ Filtering grade	⑧ Thread type
AC: A Series F.R.L unit	1500: 1/8" 2000: 1/4"	Blank: Semi-auto drain M: Manual drain	Blank: Standard (0.9MPa)	Blank: Pressure gauge	1: MPa 2: psi 3: bar 4: kgf/cm ² & psi	Blank: 40 μm W: 5 μm	Blank: PT (Scale: MPa or kgf/cm ² & psi) G: G(Scale:bar) T: NPT(Scale:psi)
BC: B Series F.R.L unit	2000: 1/4" 3000: 3/8" 4000: 1/2"	Blank: Semi-auto drain M: Manual drain A: Automatic drain	L: Lower pressure (0.4MPa)	N: No pressure gauge			

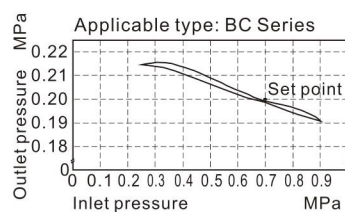
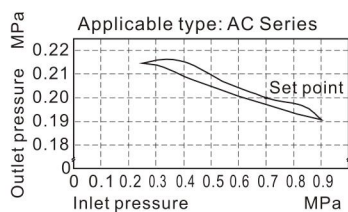
Inner structure



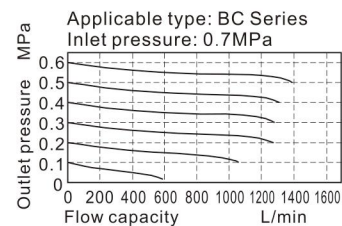
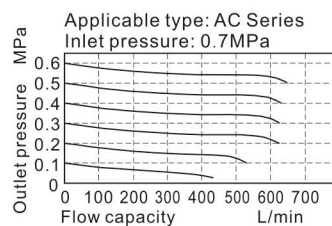
No.	Item	No.	Item
1	AF, BF Series filter	5	A, B Series fix kit
2	A, B Series gasket	6	Screw
3	A, B Series bracket	7	AL, BL Series lubricator
4	AR, BR Series regulator		

Pressure and feature of flow

Pressure chart



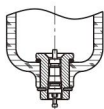
Flow chart



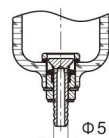
Selection of drain mode

AC Series

Manual drain



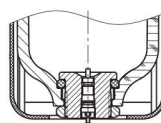
Semi-auto drain



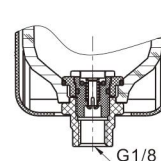
This semi-auto drain can also achieve the function of manual drain.
PU tube with an inner diameter of $\Phi 4\text{mm}$ is recommended

BC Series

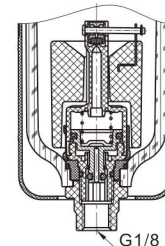
Manual drain



Semi-auto drain

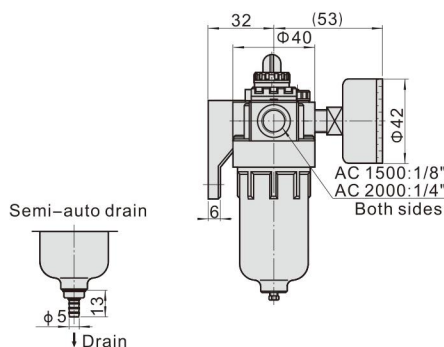
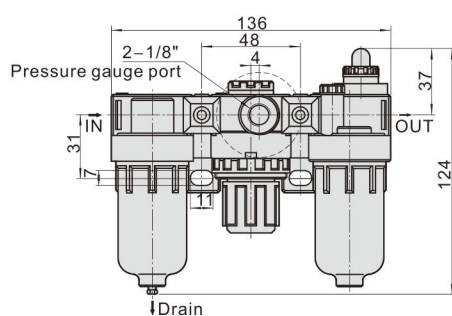


Automatic drain

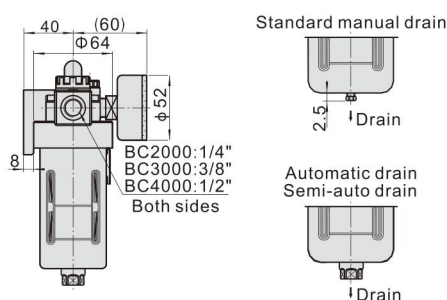
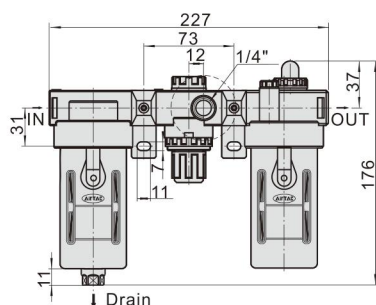


Dimensions

AC Series



BC Series



Preparation unit—A, B Series

AF, BF Series Filter

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).

Specification

Model	AF1500	AF2000	BF2000	BF3000	BF4000
Fluid	Air				
Port size [Note1]	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: 0.15~1.0MPa(20~145Psi) Manual drain: 0~1.0MPa(0~145Psi)				
Proof pressure	1.5MPa(215Psi)				
Temperature range	-5~70°C(unfreeze)				
Capacity of drain bowl	15CC		60CC		
Weight	140g		330g		

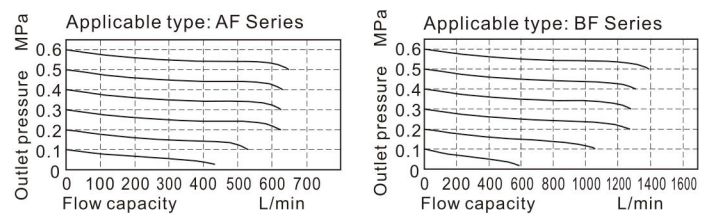
[Note1] PT thread, G thread and NPT thread are available.

Ordering code

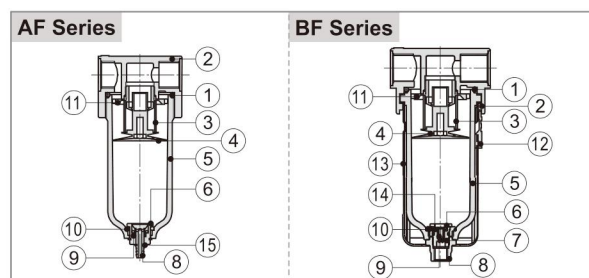
AF 2000 M W				
1	2	3	4	5
1 Model	2 Port size	3 Drain type [Note]	4 Filtering grade	5 Thread type
AF: A Series Filter	1500: 1/8" 2000: 1/4"	Blank: Semi-auto drain M: Manual drain	Blank: 40 μ m W: 5 μ m	Blank: PT G: G T: NPT
BF: B Series Filter	2000: 1/4" 3000: 3/8" 4000: 1/2"	Blank: Semi-auto drain M: Manual drain A: Automatic drain		

[Note1] The drain modes of different series are different.
Please refer to P211 for details.

Flow chart

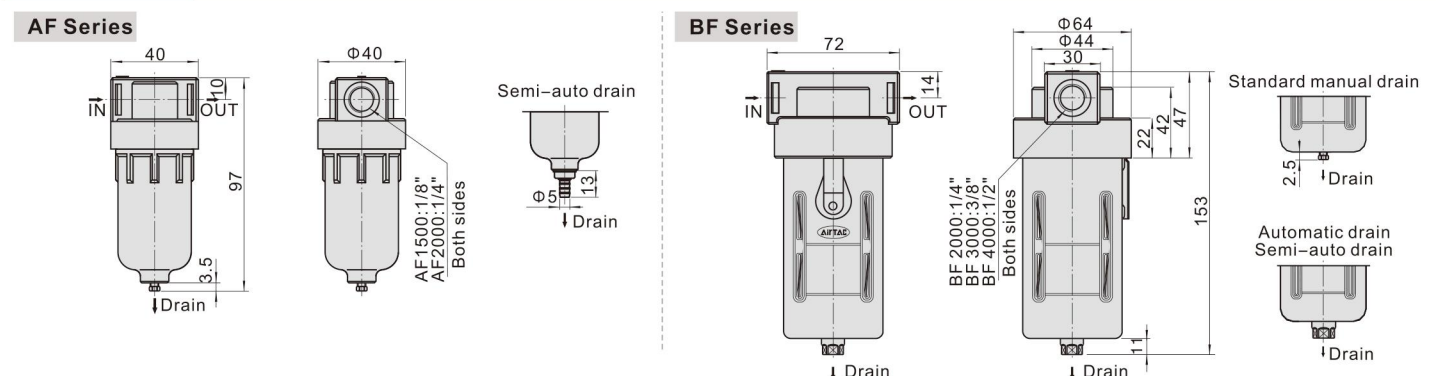


Inner structure



No.	Item	Material	No.	Item	Material
1	Drain bowl O-ring	NBR	8	Drain pillar	POM
2	Body	Aluminum alloy	9	Return spring	Stainless steel
3	Filter element	5 μ m: Makrolon fiber 40 μ m: Agglomerated by bronze grain	10	Gasket	POM
4	Umbrella baffle	POM	11	Air guider	POM
5	Drain bowl	PC	12	Bowl guard switch	POM
6	Drain kit	POM	13	Bowl guard	PA6
7	Drain seat	POM	14	Drain seat O-ring	NBR
			15	Clip	Spring steel

Dimensions

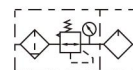


Preparation unit——A, B Series

AFC、BFC Series FR.L. Combination



Symbol



Product feature

1. The structure is delicate and compact, which is convenient for installation and application.
2. 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 [Note1]		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)				
Max. pressure		1.0MPa(145Psi)				
Proof pressure		1.5MPa(215Psi)				
Temperature range		-5~70°C(unfreeze)				
Capacity of drain bowl		15CC		60CC		
Capacity of oil bowl		25CC		90CC		
Recommended lubricant		ISO VG 32 or equivalent				
Weight		500g		700g		
Constitute	Filter-Regulator	AFR1500	AFR2000	BFR2000	BFR3000	BFR4000
	Lubricator	AL1500	AL2000	BL2000	BL3000	BL4000

[Note1] PT thread, G thread and NPT thread are available.

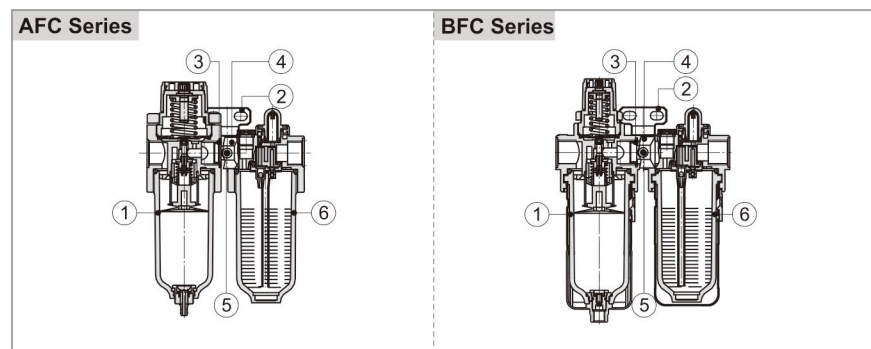
Ordering code

AFC 2000 M 1 W

1 2 3 4 5 6 7 8

1 Model	2 Port size	3 Drain type	4 Type code	5 Pressure gauge	6 Scale	7 Filtering grade	8 Thread type
AFC: A Series FR.L unit	1500: 1/8" 2000: 1/4"	Blank: Semi-auto drain M: Manual drain	Blank: Standard (0.9MPa)	Blank: Pressure gauge	1: MPa 2: psi 3: bar 4: kgf/cm ² & psi	Blank: 40 μm W: 5 μm	Blank: PT (Scale: MPa or kgf/cm ² & psi)
BFC: B Series FR.L unit	2000: 1/4" 3000: 3/8" 4000: 1/2"	Blank: Semi-auto drain M: Manual drain A: Automatic drain	L: Lower pressure (0.4MPa)	N: No pressure gauge		G: G(Scale:bar) T: NPT(Scale:psi)	

Inner structure



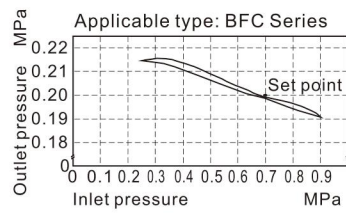
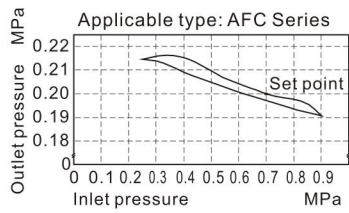
No.	Item
1	AFR, BFR Series filter & regulator
2	A, B Series bracket
3	A, B Series gasket
4	A, B Series fixed kit
5	Screw
6	AL, BL Series lubricator

Preparation unit—A, B Series

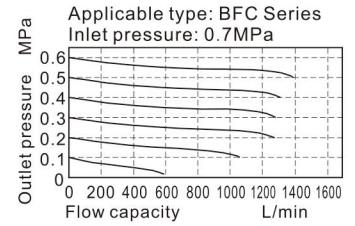
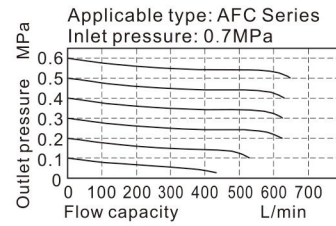
AFC、BFC Series FR.L. Combination

Pressure and feature of flow

Pressure chart



Flow chart

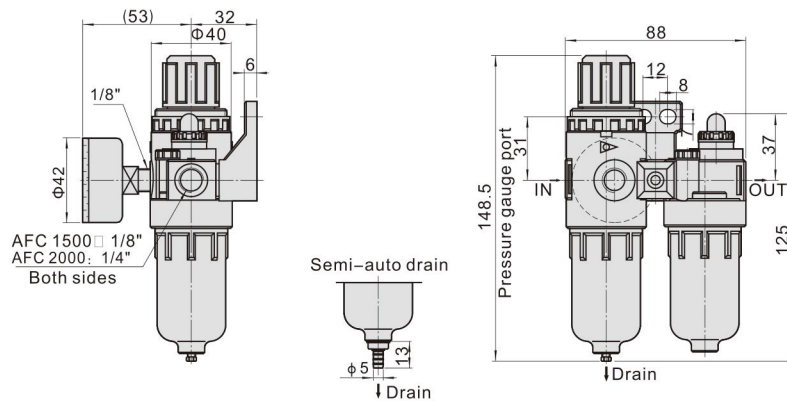


Selection of drain mode

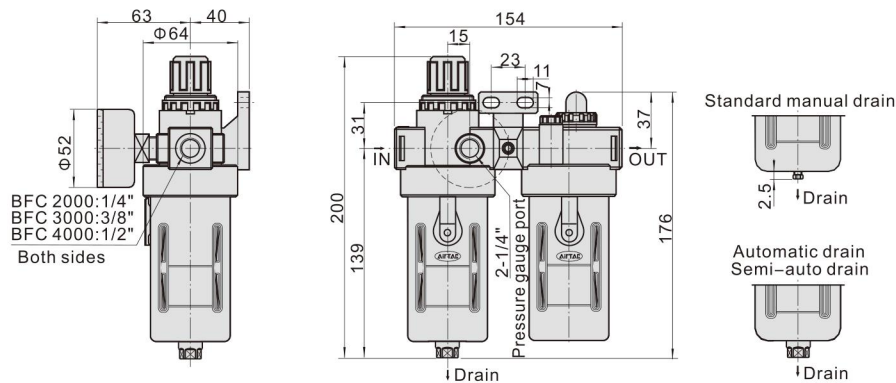
The drain modes of different series are different. Please refer to P211 for details.

Dimensions

AFC Series



BFC Series

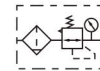


Preparation unit——A, B Series

AFR、BFR Series Filter & regulator



Symbol



Product feature

1. The structure is delicate and compact, which is convenient for installation and application.
2. 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 [Note1]	1/8"	1/4"	1/4"	3/8"	1/2"
Filtering grade	40 μm or 5 μm				
Pressure range	Semi-auto and automatic drain:0.15~0.9MPa(20~130Psi) Manual drain:0.05~0.9MPa(7~130Psi)				
Max. pressure	1.0MPa(145Psi)				
Proof pressure	1.5MPa(215Psi)				
Temperature range	-5~70°C(unfreeze)				
Capacity of drain bowl	15CC		60CC		
Weight	260g		400g		

[Note1] PT thread, G thread and NPT thread are available.

Ordering code

AFR 2000 M 1 W

1 2 3 4 5 6 7 8 9

① Model	② Port size	③ Drain type	④ Type code	⑤ Accessories	⑥ Pressure gauge	⑦ Scale	⑧ Filtering grade	⑨ Thread type
AFR: A Series Filter & regulator	1500: 1/8" 2000: 1/4"	Blank: Semi-auto drain M: Manual drain	Blank: Standard (0.9MPa) L: Lower pressure (0.4MPa)	Blank: Bracket J: No bracket	Blank: Pressure gauge N: No pressure gauge	1: MPa 2: psi 3: bar 4: kgf/cm ² & psi	Blank: 40 μm W: 5 μm	Blank: PT (Scale: Mpa or kgf/cm ² & psi) G: G(Scale: bar) T: NPT(Scale: psi)
BFR: B Series Filter & regulator	2000: 1/4" 3000: 3/8" 4000: 1/2"	Blank: Semi-auto drain M: Manual drain A: Automatic drain						

Inner structure

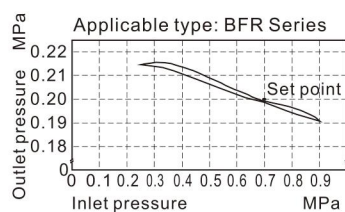
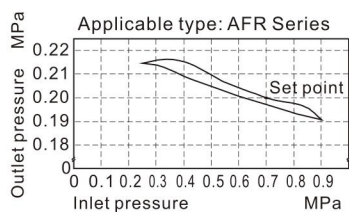
AFR Series			BFR Series		
No.	Item	Material	No.	Item	Material
1	Push button	POM	14	Drain kit	POM
2	Adjusting button	POM	15	Return spring	Stainless steel
3	Adjusting nut	Steel	16	Drain seat	POM
4	Adjusting seat	POM	17	Drain pillar	POM
5	Adjusting spring	SWC	18	Drain O-ring	NBR
6	Fixed ring	POM	19	Filter element	5 μm Makrolon fiber 40 μm Agglomerated by bronze grain
7	Body	Aluminum alloy	20	Return spring	Stainless steel
8	Diaphragm	SUS304 & rubber	21	Drain bowl O-ring	NBR
9	Balance needle	POM	22	Needle O-ring	NBR
10	Needle gasket	Aluminum alloy & rubber	23	Bowl guard switch	POM
11	Air guider	POM	24	Gasket	POM
12	Umbrella baffle	POM	25	Bowl guard	PA66
13	Drain bowl	PC	26	Clip	Spring steel

Preparation unit—A, B Series

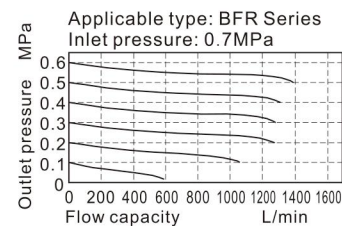
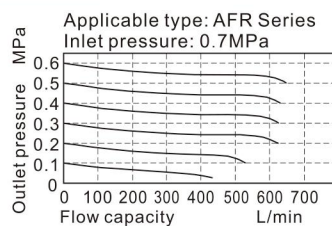
AFR、BFR Series Filter & regulator

Pressure and feature of flow

Pressure chart



Flow chart

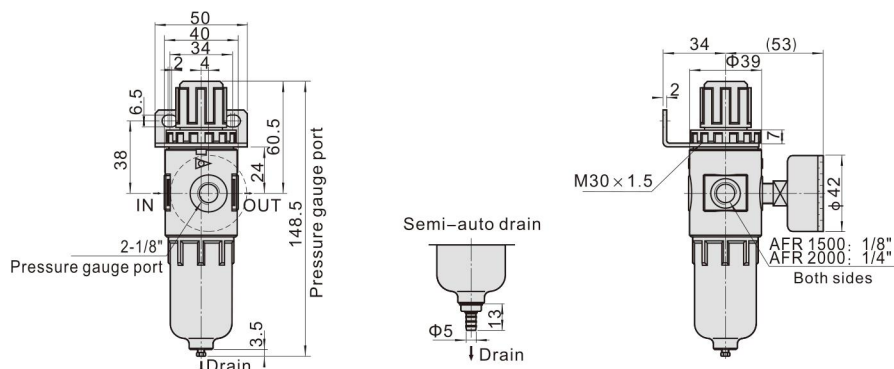


Selection of drain mode

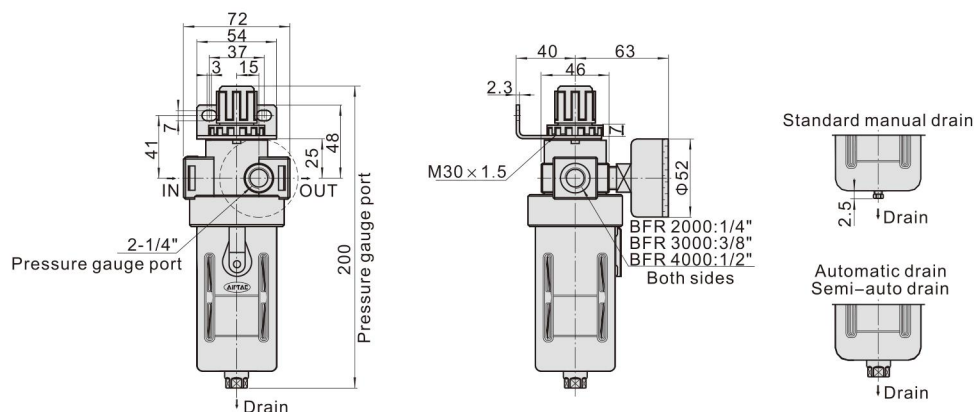
The drain modes of different series are different. Please refer to P211 for details.

Dimensions

AFR Series



BFR Series



Preparation unit—A, B Series

AL, BL Series Lubricator



Specification

Model	AL1500	AL2000	BL2000	BL3000	BL4000
Fluid	Air				
Port size [Note1]	1/8"	1/4"	1/4"	3/8"	1/2"
Pressure range	0.05~1.0MPa(7~145Psi)				
Proof pressure	1.5MPa(215Psi)				
Temperature range	-5~70°C(unfreeze)				
Capacity of oil bowl	25CC		90CC		
Recommended lubricant	ISO VG 32 or equivalent				
Weight	170g		250g		

[Note1] PT thread, G thread and NPT thread are available.

Ordering code

AL 2000 ☐		
1	2	3
① Model	② Port size	③ Thread type
AL: A Series Lubricator	1500: 1/8" 2000: 1/4"	Blank: PT G: G T: NPT
BL: B Series Lubricator	2000: 1/4" 3000: 3/8" 4000: 1/2"	

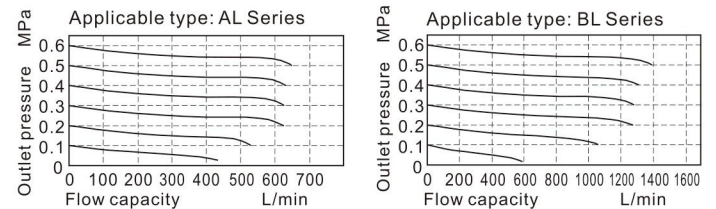
Symbol



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.

Flow chart

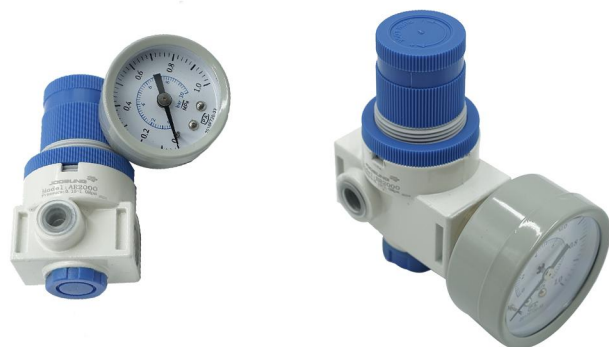


Inner structure

AL Series

Preparation unit——A, B Series

AR、BR Series Regulator



Symbol



Product feature

1. The structure is delicate and compact, which is convenient for installation and application.
2. 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).

Specification

Model	AR1500	AR2000	BR2000	BR3000	BR4000
Fluid	Air				
Port size [Note1]	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		

[Note1] PT thread, G thread and NPT thread are available.

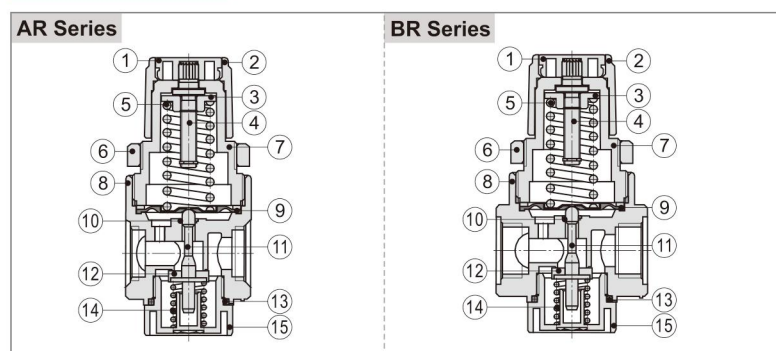
Ordering code

AR 2000 L ☐ ☐ 1 ☐

1 2 3 4 5 6 7

① Model	② Port size	③ Type code	④ Accessories	⑤ Pressure gauge	⑥ Scale	⑦ Thread type
AR: A Series Regulator	1500: 1/8" 2000: 1/4"	Blank: Standard (0.9MPa)	Blank: Bracket	Blank: Pressure gauge	1: MPa	Blank: PT
BR: B Series Regulator	2000: 1/4" 3000: 3/8" 4000: 1/2"	L: Lower pressure (0.4MPa)	J: No bracket	N: No pressure gauge	2: psi 3: bar 4: kgf/cm ² & psi	(Scale: Mpa or kgf/cm ² & psi) G: G(Scale:bar) T: NPT(Scale:psi)

Inner structure



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



OU



OFR



OR



OF

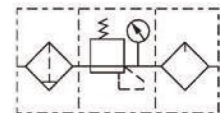


OL

Ordering Code

OU	3/4	7	5M	O	MAXI	A
Standard	Port Size	Pressure Range	Filter Range	Gauge	Size	Drain Type
OU : 2 Combination	G1/8	Blank: 0.5 ... 12 bar	Blank: 40 µm	Blank: With Gauge	MINI: Mini	Blank: Hand
OFR: Filter regulator	G1/4	7: 0.5 ... 7 bar	5M: 5 µm	O: Without Gauge	MIDI: Mid	H: Semi Automatic
OR: Regulator	G3/8				MAXI: Max	A: Automatic
OF: Filter	G1/2					
OL : Lubricator	G3/4					
	G1					

Symbol



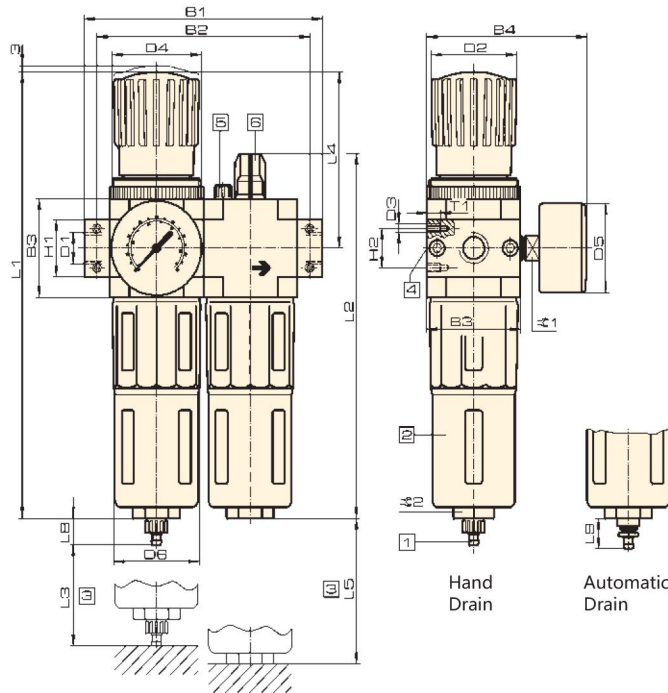
Specification

Specification		Mini			Midi			Maxi	
Port Size		G1/8	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1
Working Medium		Compressed Air							
Structure Features		Filter regulator, with/without gauge proportional Lubricater							
Install Way		By Accessories Tube							
Install Position		Vertical ±5°							
Regulator Lock		Rotary handle, with lock Rotary handle, with itergrated locks							
Filter Class	[µm]	5 or 40							
Max Hysteresis	[bar]	0.2						0.4	
Preessure Range	[bar]	0.5 ... 7							
		0.5 ... 12							
Preessure Display		By Gauge							
		G1/8 Preset			G1/4 Preset			G1/4 Preset	
Water Capacity	[cm³]	22			43			80	
Input Pressure		[bar]							
Water Exhaust	Hand	1 ... 16							
	Semi Automatic	1.5 ... 16							
	Automatic	2 ... 12							

FESTO Series

Air Filter Combination (2 Combination)

Overall Dimension

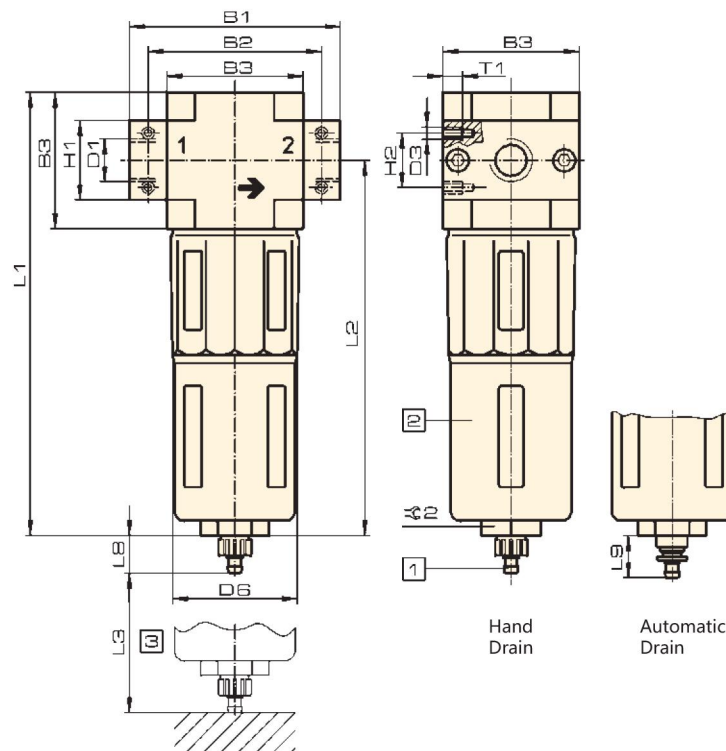


Dimension

Model	B1	B2	B3	B4	D1	ΦD2	D3	D4	ΦD5	ΦD6
Mini										
OU -1/8-MINI	104	92	40	76	G1/8	31	M4	M36x1.5	41	38
OU -1/4-MINI					G1/4					
OU -3/8-MINI					G3/8					
Midi										
OU -3/8-MIDI	140	125	55	95	G3/8	50	M5	M52x1.5	50	52
OU -1/2-MIDI					G1/2					
OU -3/4-MIDI					G3/4					
Maxi										
OU -3/4-MAXI	162	146	66	107	G3/4	31	M5	M36x1.5	50	65
OU -1-MAXI	182	157			G1					

Model	H1	H2	L1	L2	L3	L4	L5	L8	L9	T1	≡C 1	≡C 2
Mini												
OU -1/8-MINI	20	11	193	169	60	69	100	15	19	7	14	22
OU -1/4-MINI												
OU -3/8-MINI												
Midi												
OU -3/8-MIDI	32	22	250	204	80	99	120	15	19	8	14	24
OU -1/2-MIDI												
OU -3/4-MIDI												
Maxi												
OU -3/4-MAXI	32	22	252	228	90	82	150	15	19	8	14	24
OU -1-MAXI	40											

Overall Dimension



1 Barb connector for plastic tube PCN-4

2 Metal cover

3 Install dimension

→ Air flow

Dimension

Model	B1	B2	B3	D1	D3	ΦD6	H1	H2	L1	L2	L3	L8	L9	T1	T2	±0.2
Mini																
OF-1/8-MINI	64	52	40	G1/8	M4	38	20	11	144	124	60	15	19	7	-	22
OF-1/4-MINI				G1/4												
OF-3/8-MINI	70			G3/8												
Midi																
OF-3/8-MIDI	85	70	55	G3/8	M5	52	32	22	179	151	80	15	19	8	-	24
OF-1/2-MIDI				G1/2												
OF-3/4-MIDI				G3/4												
Maxi																
OF-3/4-MAXI	96	80	66	G3/4	M5	65	32	22	203	170	90	15	19	8	-	24
OF-1-MAXI	116	91		G1			40									

AC Series 1010~5010

Air Filter Combination
(F.R.L. Combination)



AC3010-N



AC2010



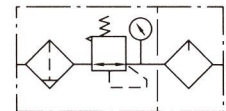
AC4010

Ordering Code

A	C	4010	04	D	N
Series	Function	Specification	Port Size	Drain Type	Wiring Form
AC2010-02	F.R.L. Combination	1010 2010 3010 4010 5010	M5: M5 x 0.8 01: G1/8" 02: G1/4" 03: G3/8" 04: G1/2" 06: G3/4" 10: G1"	Blank: Semi-automatic D: Lever Auto Drain D1: Lever auto-drain With external thread D2: Pulse auto-drain	Blank: Standard N: Metal cup
AC3010-03					
AC3010-03N					

* Suitable for 3010 and above series
* Applicable pulse type for 2010 and below series

Symbol



Specification

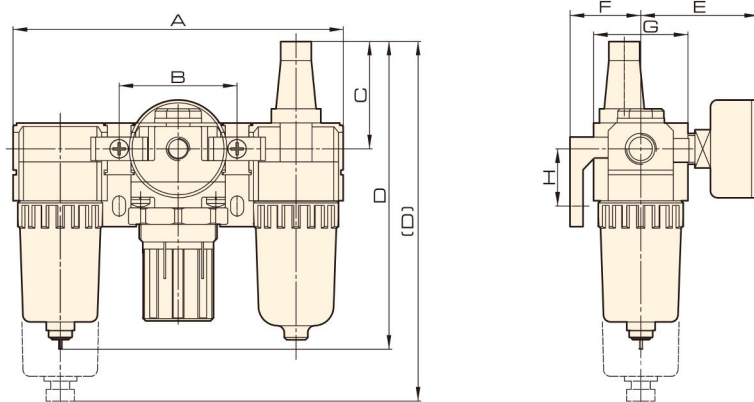
Model		AC1010-M5	AC2010-01	AC2010-02	AC3010-02	AC3010-03	AC4010-03	AC4010-04	AC4010-06	AC5010-06	AC5010-10
Rated Flow		90	500	500	1700	1700	3000	3000	3000	4000	4000
Port Size		M5	1/8	1/4	1/4	3/8	3/8	1/2	3/4	3/4	1
Filter Precision		25 μm									
Max. Adjustable Pressure		1.0 MPa									
Proof Pressure Resistance		1.5 MPa									
Operating Temperature Range		5 ~ 60 °C									
Range of Adjustable Pressure		0.05 ~ 0.7 MPa	0.05 ~ 0.85 MPa								
Recommended Lubricant		ISO VG 32									
Container Material		Poly Carbonate									
Protective Cup Cover		Unavailable			Iron						
Drain Function		Differential Drain	Semi-automatic Drain, Automatic Drain								
Valve Type		With Overflow									
Assembly	Filter Regulator	AW1000-M5	AW2000-01	AW2000-02	AW3000-02	AW3000-03	AW4000-03	AW4000-04	AW4000-06	AW5000-06	AW5000-10
	Lubricator	AL1000-M5	AL2000-01	AL2000-02	AL3000-02	AL3000-03	AL4000-03	AL4000-04	AL4000-06	AL5000-06	AL5000-10

AC Series 1000~5000

Air Filter Combination (F.R.L. Combination)

Overall Dimension

AC1000 ~ AC5000



Dimension

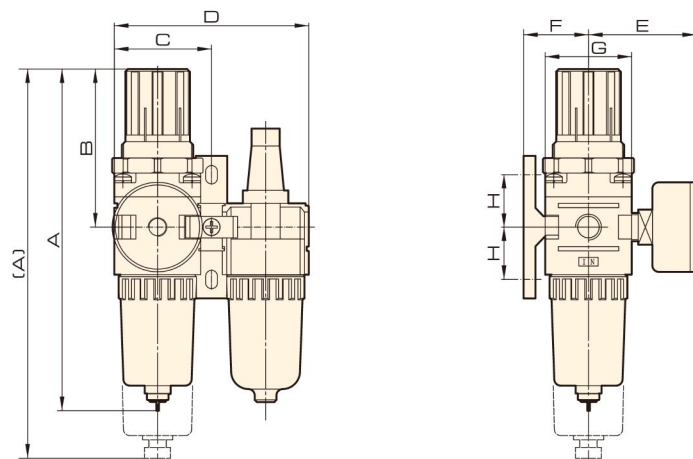
Model	Bore	A	B	C	D	E	F	G	H
AC1000	M5	91	33	25.5	84.5	26	25	25	20
AC2000	1/8 - 1/4	140	50	45.5	130.5 (152.5)	56.8	30	40	24
AC2500	1/4 - 3/8	181	64	38	156.5	60.8	41	53	35
AC3000	1/4 - 3/8	181	64	38	156.5	60.8	41	53	35
AC4000	3/8 - 1/2	238	84	41	191.5	65.5	50	70	40
AC4000-06	3/4	253	89	41	193	69.5	50	70	40
AC5000	3/4 - 1	300	105	48	271.5	75.5	69.8	90	50

AC Series 1010~5010

Air Filter Combination (FR.L. Combination)

Overall Dimension

AC1010 ~ AC5010



Dimension

Model	Bore	A	B	C	D	E	F	G	H
AC1010	M5	109.5	50.5	29	58	26	25	25	20
AC2010	1/8 - 1/4	158 (180)	73	45	90	56.8	30	40	24
AC3010	1/4 - 3/8	211	92.5	58.5	117	60.8	41	53	35
AC4010	3/8 - 1/2	262	112	77	154	70.5	50	70	40
AC4010-06	3/4	267	114	82	164	70.5	50	70	40
AC5010	3/4 - 1	338	116	97.5	195	75.5	69.8	90	50

AF Series

1000~5000 Air Filter



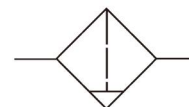
AF3000

Ordering Code

A	F	4000	04	D	N
Series	Function	Specification	Port Size	Drain Type	Wiring Form
AF2000-02	Filter	1000	M5: M5 x 0.8	Blank: Semi-automatic	Blank: Standard
		2000	01: G1/8"		N: Metal cup
		3000	02: G1/4"	D: Lever Auto Drain	
AF3000-03		4000	03: G3/8"	D1: Lever auto-drain With external thread	
		5000	04: G1/2"	D2: Pulse auto-drain	
			06: G3/4"		
			10: G1"		

* Suitable for 3000 and above series
* Applicable pulse type for 2000 and below series

Symbol



Specification

Model	AF1000-M5	AF2000-01	AF2000-02	AF3000-02	AF3000-03	AF4000-03	AF4000-04	AF4000-06	AF5000-06	AF5000-10
Rated Flow	110	750	750	1500	1500	4000	4000	6000	7000	7000
Port Size	M5	1/8	1/4	1/4	3/8	3/8	1/2	3/4	3/4	1
Filter Precision	25 μm									
Max. Adjustable Pressure	1.0 MPa									
Proof Pressure Resistance	1.5 MPa									
Ambient Temperature Range	5 ~ 60 °C									
Container Material	Poly Carbonate									
Container Cup	Unavailable			Iron						
Drain Function	Differential Drain	Semi-automatic Drain, Automatic Drain								

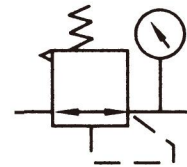


AR4000

Ordering Code

A	R	4000	04
Series	Function	Specification	Port Size
AR2000-02	Regulator	1000	M5: M5 x 0.8
		2000	01: G1/8"
		2500	02: G1/4"
AR3000-03		3000	03: G3/8"
		4000	04: G1/2"
		5000	06: G3/4"
			10: G1"

Symbol



Specification

Model	AR1000-M5	AR2000-01	AR2000-02	AR2500-02	AR2500-03	AR3000-02	AR3000-03	AR4000-03	AR4000-04	AR4000-06	AR5000-06	AR5000-10
Rated Flow	110	550	550	2000	2000	2500	2500	6000	6000	6000	8000	8000
Port Size	M5	1/8	1/4	1/4	3/8	1/4	3/8	3/8	1/2	3/4	3/4	1
Max. Adjustable Pressure	1.0 MPa											
Proof Pressure Resistance	1.5 MPa											
Range of Adjustable Pressure	5 ~ 60 °C											
Range of Adjustable Pressure	0.05 ~ 0.7 MPa	0.05 ~ 0.85 MPa										
Valve Type	With Overflow											

AF/ AR Series

1000~5000 Air Filter

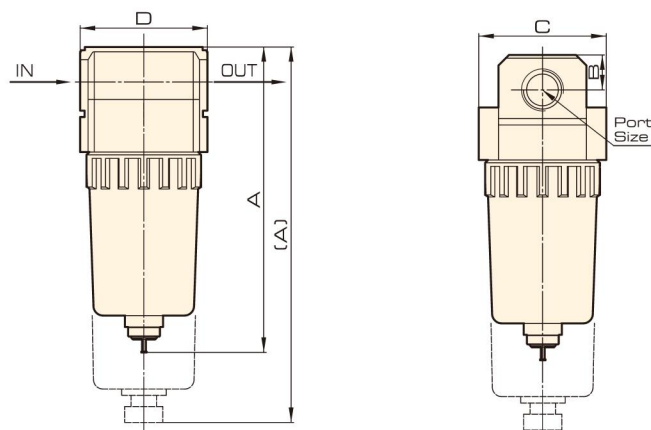


AF Series

1000~5000 Air Filter

Overall Dimension

AF



Dimension

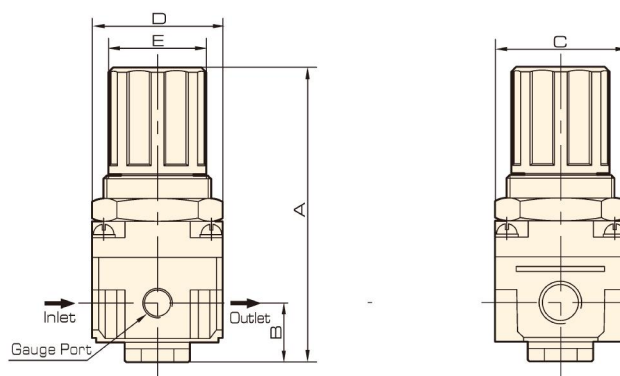
Model	Bore	A	B	C	D
AF1000	M5	66	7	25	-
AF2000	1/8 - 1/4	96 (118)	11	40	40
AF3000	1/4 - 3/8	132.5	14	53	53
AF4000	3/8 - 1/2	168.5	18	70	70
AF4000-06	3/4	172.5	20	70	70
AF5000	3/4 - 1	247.5	24	90	90

AR Series

1000~5000 Regulator

Overall Dimension

AR



Dimension

Model	Bore	A	B	C	D	E
AR1000	M5	61.5	11	25	25	28
AR2000	1/8 - 1/4	95	17	40	40	34
AR2500	1/4 - 3/8	102.5	25	48	53	34
AR3000	1/4 - 3/8	127.5	35	53	53	40
AR4000	3/8 - 1/2	149.5	37.5	70	70	54
AR4000-06	3/4	154	40.5	70	75	54
AR5000	3/4 - 1	168	48	90	90	54



AW2000

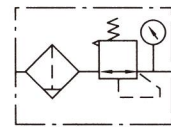


AW3000

Ordering Code

A	W	4000	04	D	N
Series	Function	Specification	Port Size	Drain Type	Wiring Form
AW2000-02	Filter & Regulator	1000	M5: M5 x 0.8	Blank: Semi-automatic	Blank: Standard N: Metal cup
		2000	01: G1/8"		
		3000	02: G1/4"	D: Lever Auto Drain	
AW3000-03		4000	03: G3/8"	D1: Lever auto-drain With external thread	
		5000	04: G1/2"	D2: Pulse auto-drain	
			06: G3/4"		
			10: G1"		
				* Suitable for 3000 and above series * Applicable pulse type for 2000 and below series	

Symbol



Specification

Model	AW1000-M5	AW2000-01	AW2000-02	AW3000-02	AW3000-03	AW4000-03	AW4000-04	AW4000-06	AW5000-06	AW5000-10
Rated Flow	100	550	550	2000	2000	4000	4000	4500	5500	5500
Port Size	M5	1/8	1/4	1/4	3/8	3/8	1/2	3/4	3/4	1
Filter Precision	25 μm									
Max. Adjustable Pressure	1.0 MPa									
Proof Pressure Resistance	1.5 MPa									
Operating Temperature Range	5 ~ 60 °C									
Range of Adjustable Pressure	0.05 ~ 0.7 MPa	0.05 ~ 0.85 MPa								
Container Material	Poly Carbonate									
Container Cup	Unavailable			Iron						
Drain Function	Differential Drain	Semi-automatic Drain, Automatic Drain								
Valve Type	With Overflow									

AL Series

1000~5000 Lubricator

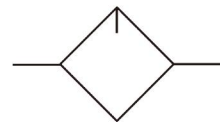


AL4000

Ordering Code

A	L	4000	04	N
Series	Function	Specification	Port Size	Wiring Form
AL2000-02	Lubricator	1000	M5: M5 x 0.8	Blank: Standard
		2000	01: G1/8"	N: Metal cup
		3000	02: G1/4"	
AL3000-03		4000	03: G3/8"	
		5000	04: G1/2"	
			06: G3/4"	
			10: G1"	

Symbol



Specification

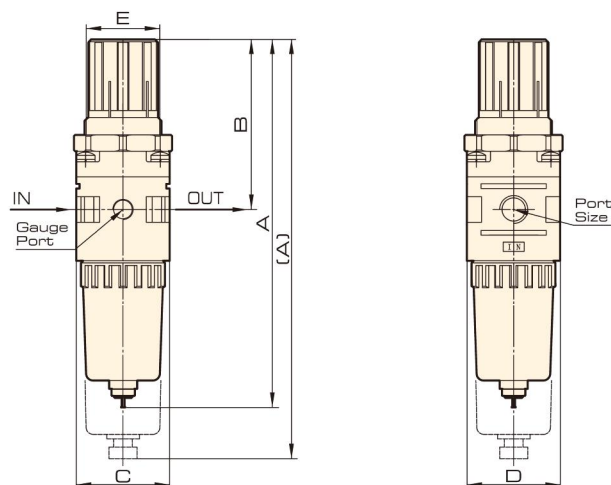
Model	AL1000-M5	AL2000-01	AL2000-02	AL3000-02	AL3000-03	JAL4000-03	AL4000-04	AL4000-06	AL5000-06	AL5000-10
Rated Flow	95	800	800	1700	1700	5000	5000	6300	7000	7000
Port Size	M5	1/8	1/4	1/4	3/8	3/8	1/2	3/4	3/4	1
Max. Adjustable Pressure	1.0 MPa									
Proof Pressure Resistance	1.5 MPa									
Operating Temperature Range	5 ~ 60 °C									
Recommended Lubricant	0.05~0.7 MPa	ISO VG 32								
Container Material	Poly Carbonate									
Container Cup	Unavailable			Iron						

AW Series

1000~5000 Filter & Regulator

Overall Dimension

AW



Dimension

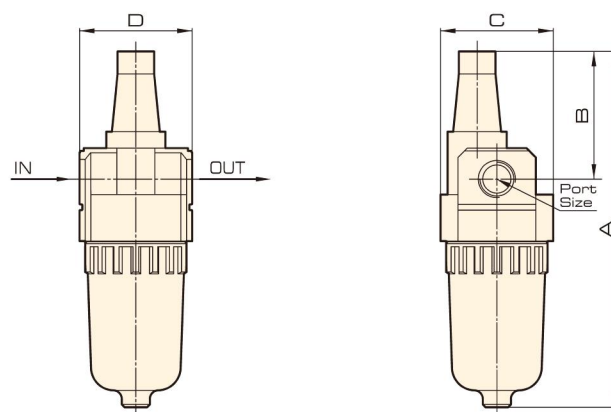
Model	Bore	A	B	C	D	E
AW1000	M5	109.5	50.5	25	28	28
AW2000	1/8 - 1/4	158 (180)	73	40	40	34
AW3000	1/4 - 3/8	211	92.5	53	53	40
AW4000	3/8 - 1/2	262	112	70	70	54
AW4000-06	3/4	267	114	70	70	54
AW5000	3/4 - 1	338	116	90	90	54

AL Series

1000~5000 Lubricator

Overall Dimension

AL



Dimension

Model	Bore	A	B	C	D
AL1000	M5	81.5	25.5	25	-
AL2000	1/8 - 1/4	126.5	45.5	40	40
AL3000	1/4 - 3/8	142	38	53	53
AL4000	3/8 - 1/2	177	41	70	70
AL4000-06	3/4	177	39	70	70
AL5000	3/4 - 1	254	45	90	90



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