

## Air Source Treatment Units



**FESCOLO**

Fescolo Pneumatic

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Company Profile

Fescolo Pneumatic, established in 2001, is a professional developer and manufacturer of customized cylinders and solenoid valves. We have an excellent R&D technical team, more than 200 sets of equipment, an annual production value of more than 10 million US dollars, and have 100+ employees, including 4 technical engineers and 8 technicians so far.

Our main product range consists of various standard cylinders, non-standard customized cylinders, standard solenoid valves, non-standard customized solenoid valves, 2/2 ways electromagnetic valves, air source treatment units, angle seat valves, air hose and tube fittings. Widely applied in industrial automation, robotic arms, medical treatment, sanitary ware, food machinery, automobile manufacturing and other scientific and technological industries.

If you are looking for non-standard customized cylinders and valves, if you encounter problems in pneumatic system, congratulations, we are just the exact supplier you need. Product customization and ODM are our core competencies. We are in a leading position on projects of customized cylinders and solenoid valves. We can also customize product labels, special inner and outer packaging for you. All our products include a one-year or six-month warranty. Most standard products are available in stock and can be shipped within 3-15 days after you place an order. Fescolo Pneumatic, looks forward to your cooperation sincerely!

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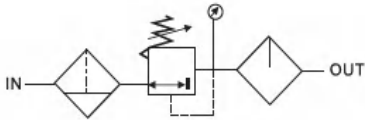
OU Series FR.L Combination



1.Ordering Code :

OU	-	MINI	-	1/4	-	□
↑		↑		↑		↑
Model		Body size		Port size		Blank: Manual
FR.L Combination		MINI		1/8: G1/8		D:With Autodrain
		MIDI		1/4: G1/4		
		MAXI		3/8: G3/8		
				1/2: G1/2		
				3/4: G3/4		
				1: G1		

Graphic Symbol



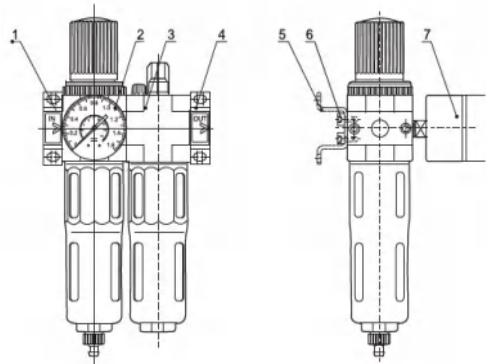
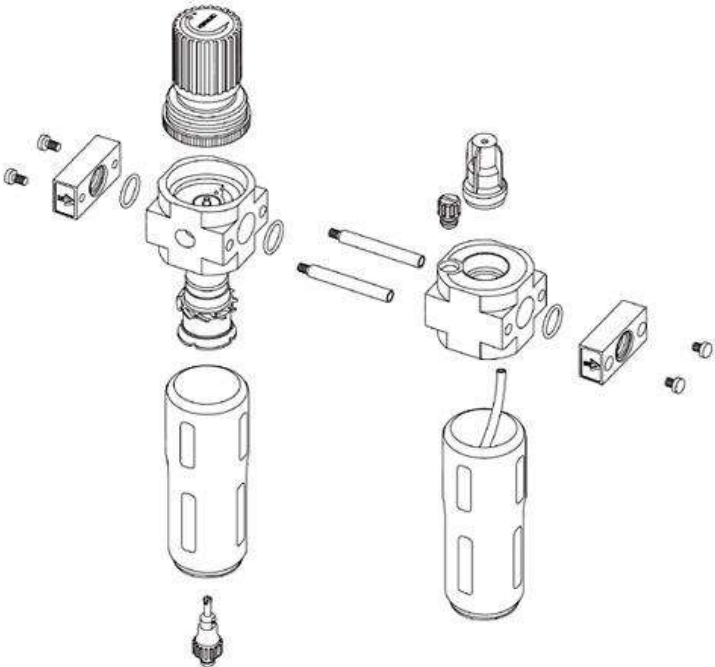
2.Characteristics:

- 1) The series OU is consisted of OFR and OL, each unit can be ordered separately.
- 2) The OF with water separate cleans the compressed air of fluid oil,condensation and dirt particles.  
For special application,the standard 40µm filter element may easily be replaced by a 5µm filter element.
- 3) The OR maintain inputting constant operating pressure despite fluctuation in line pressure&the amount of air consumed.
- 4) The proportional lubricator adds a regulated quantity of oil to the filtered air.  
The oil-mist content proportional to the flow and oil can be added during operation.  
The oil drip rate is controlled by the adjustable bolt.Normally,1to 12 drops /1000L of the air is sufficient.
- 5) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Boby size	MINI			MIDI			MAXI	
Model	OU-MINI-1/8	OU-MINI-1/4	OU-MINI-3/8	OU-MIDI-3/8	OU-MIDI-1/2	OU-MIDI-3/4	OU-MAXI-3/4	OU-MAXI-1
Applicable medium	Compressed Air							
Mounting type	Pipe mounting or foot mounting							
Assembly position	Vertical ±5°							
Working pressure range	0.05~1.2 MPa							
Temperature range	0°C~60°C							
Nominal flow rate(40µm) L/min	700	1000	1200	2000	2600	2600	7000	8000
Nominal flow rate(5µm) L/min	600	850	1050	1700	1800	2100	6500	7200
Grade of filtration	40µm/5µm							
Capacity of condensate fluid	22ml			43ml			80ml	
Min. Standard nominal flow rate	3L/min			6L/min			10L/min	
Port size	G1/8	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1

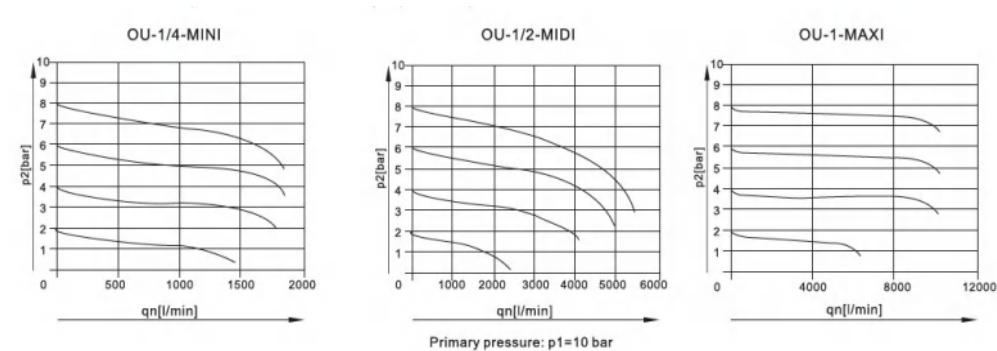
4.Internal Structure:



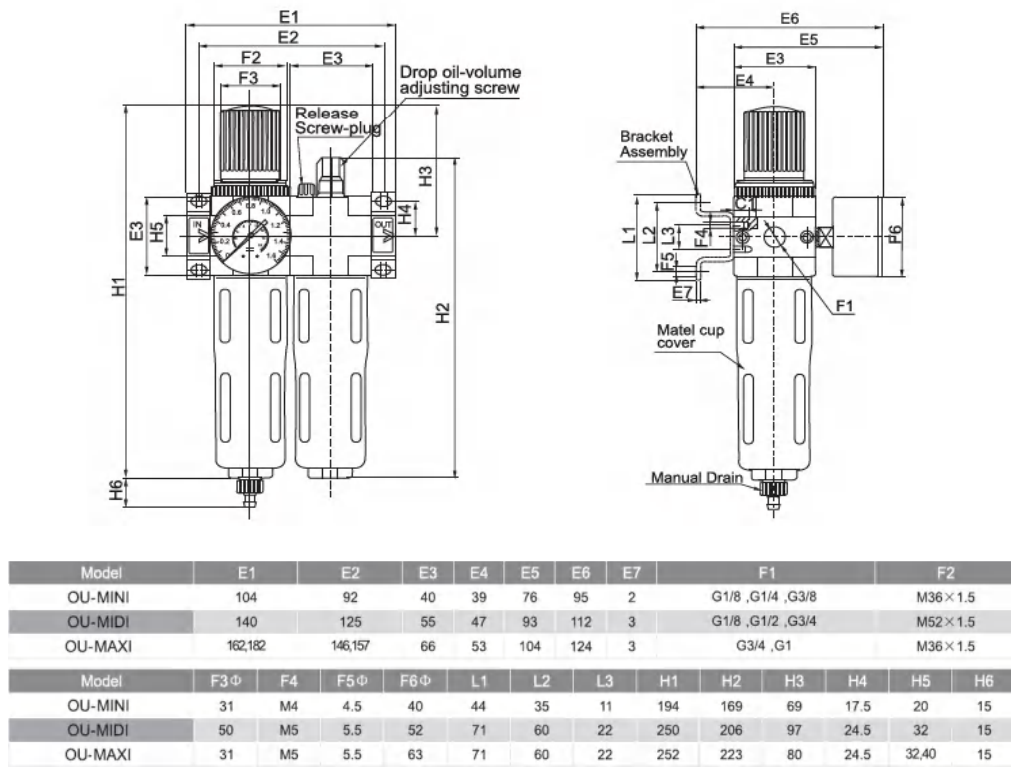
NO	Item	Material
1	Flange-IN	Zinc alloy
2	Filter + Regulator	
3	Lubricator	
4	Flange - OUT	Zinc alloy
5	Bracket	SPCC
6	Allen screw	S35C
7	Pressure guage	

5. Flow rate diagram:

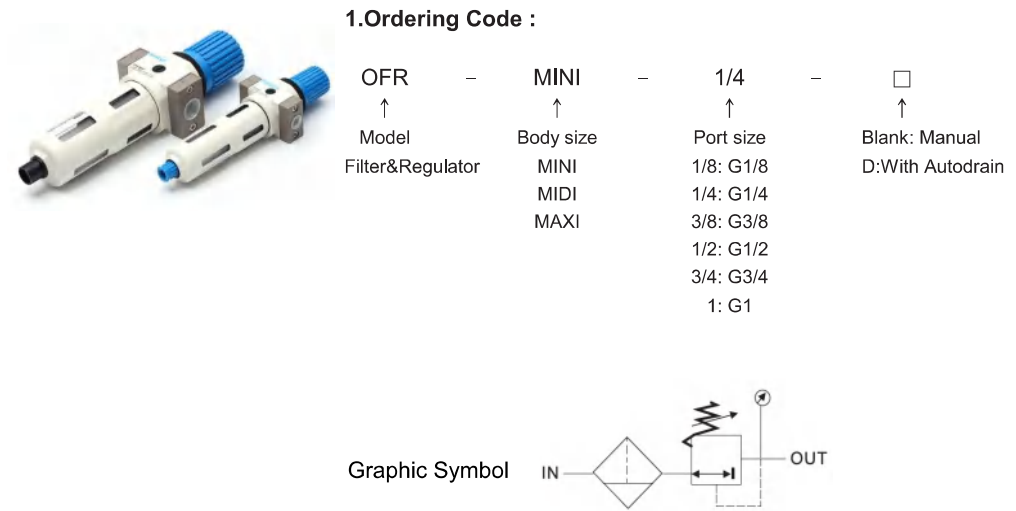
Standard flow rate qn as a function of the output pressure p2.



6. Overall and Dimension Sheet:



OFR Series Filter & Regulator



2.Characteristics:

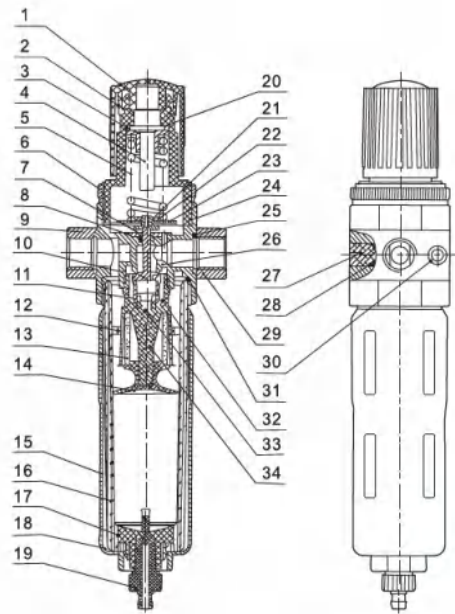
- 1) Filter and pressure regulator combine a single unit, and cleans the compressed air of fluid oil, condensation and dirt particles.
- 2) The OF with water separate cleans the compressed air of fluid oil, condensation and dirt particles. For special application, the standard 40µm filter element may easily be replaced by a 5µm filter element.
- 3) The OR maintain inputting constant operating pressure despite fluctuation in line pressure & the amount of air consumed.
- 4) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Boby size	MINI			MIDI			MAXI	
Model	OFR-MINI-1/8	OFR-MINI-1/4	OFR-MINI-3/8	OFR-MIDI-3/8	OFR-MIDI-1/2	OFR-MIDI-3/4	OFR-MAXI-3/4	OFR-MAXI-1
Applicable medium	Compressed Air							
Mounting type	Pipe mounting or foot mounting							
Assembly position	Vertical ±5°							
Working pressure range	0.05~1.2 MPa							
Temperature range	0°C~60°C							
Nominal flow rate(40µm) L/min	750	1400	1600	3100	3400	3400	9000	10000
Nominal flow rate(5µm) L/min	650	1200	1350	2400	2500	2500	7300	7600
Grade of filtration	40µm/5µm							
Capacity of condensate fluid	22ml			43ml			80ml	
Min. Standard nominal flow rate	3L/min			6L/min			10L/min	
Port size	G1/8	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1



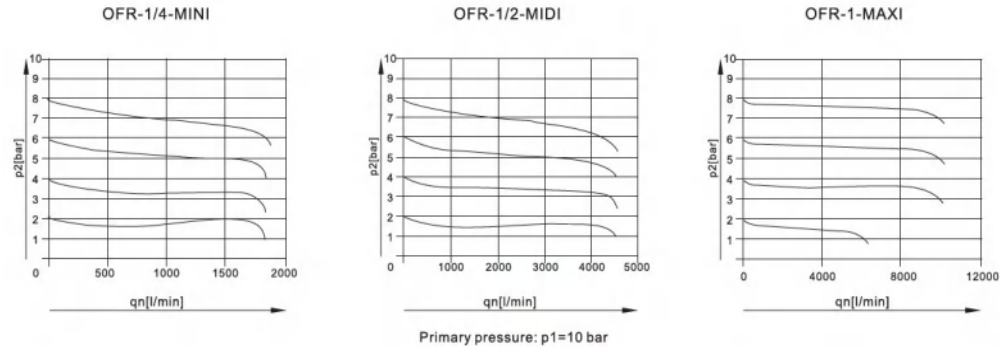
4. Internal Structure:



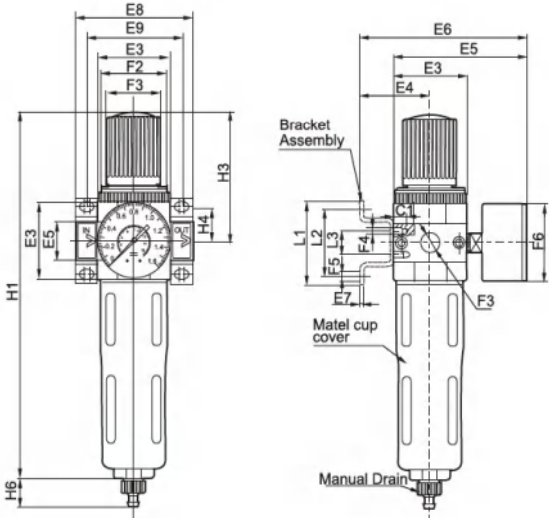
NO	Item	Material	NO	Item	Material
1	Pressure knob	POM	18	Inner joint	POM
2	Regulator cap	POM	19	Condensate drain	POM
3	Regulator nut	S35C	20	Wearing sheet	Insulation sheet
4	Adjusting spindle	S35C	21	OR Sheet	NBR
5	Pressure spring	SWC	22	Overflow base	6061-T6
6	Fixed ring	6061-T6	23	One part of diaphragm	SPCC
7	One part of membrane	PA6+G15	24	Diaphragm	NBR+Nylon Mesh
8	O-ring	NBR	25	O-ring	NBR
9	Flange-IN	Zinc alloy	26	OR Body	Zinc alloy
10	Spool	Brass	27	Plug	POM
11	O-ring	NBR	28	O-ring	NBR
12	Whirl wind impeller	POM	29	Flange-OUT	Zinc alloy
13	Filter element	PE	30	Allen screw	S35C
14	Manger	POM	31	O-ring	NBR
15	Metal bowl guard	Aluminium alloy	32	Spring	SWPB
16	Filter bowl	PC	33	Fasteners	Brass
17	O-ring	NBR	34	Filter element base	POM

5. Flow rate diagram:

Standard flow rate  $q_n$  as a function of the output pressure  $p_2$ .



6. Overall and Dimension Sheet:



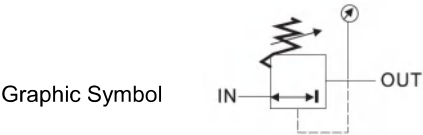
Model	E3	E4	E5	E6	E8	E9	F1			F2		
OFR-MINI	40	39	76	95	64	52	G1/8 ,G1/4 ,G3/8			M36×1.5		
OFR-MIDI	55	47	93	112	85	70	G1/8 ,G1/2 ,G3/4			M52×1.5		
OFR-MAXI	66	53	104	124	96,116	80,91	G3/4 ,G1			M36×1.5		
Model	F3Φ	F4	F5Φ	F6Φ	L1	L2	L3	H1	H3	H4	H5	H6
OFR-MINI	31	M4	4.5	40	44	35	11	194	69	17.5	20	15
OFR-MIDI	50	M5	5.5	52	71	60	22	250	98	24.5	32	15
OFR-MAXI	31	M5	5.5	63	71	60	22	252	80	24.5	32,40	15

OR Series Air Regulator



1.Ordering Code :

OR	-	MINI	-	1/4
↑		↑		↑
Model		Body size		Port size
Air Regulator		MINI		1/8: G1/8
		MIDI		1/4: G1/4
		MAXI		3/8: G3/8
				1/2: G1/2
				3/4: G3/4
				1: G1



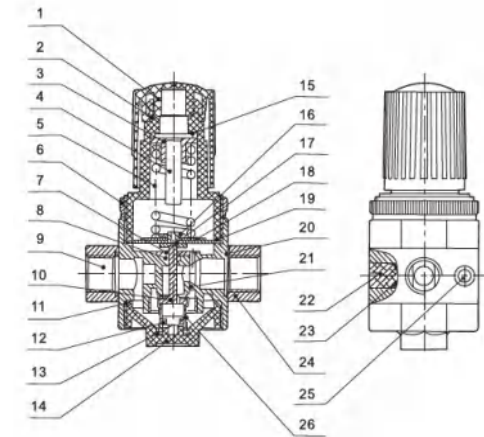
2.Characteristics:

- 1) The OR maintain inputting constant operating pressure despite fluctuation in line pressure&the amount of air consumed.
- 2) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Boby size	MINI			MIDI			MAXI	
Model	OR-MINI-1/8	OR-MINI-1/4	OR-MINI-3/8	OR-MIDI-3/8	OR-MIDI-1/2	OR-MIDI-3/4	OR-MAXI-3/4	OR-MAXI-1
Applicable medium	Compressed Air							
Mounting type	Pipe mounting or foot mounting							
Assembly position	Any position							
Working pressure range	0.05~1.2 MPa							
Temperature range	0°C~60°C							
Nominal flow rate L/min	800	1500	1700	3200	3500	3500	11000	11500
Port size	G1/8	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1

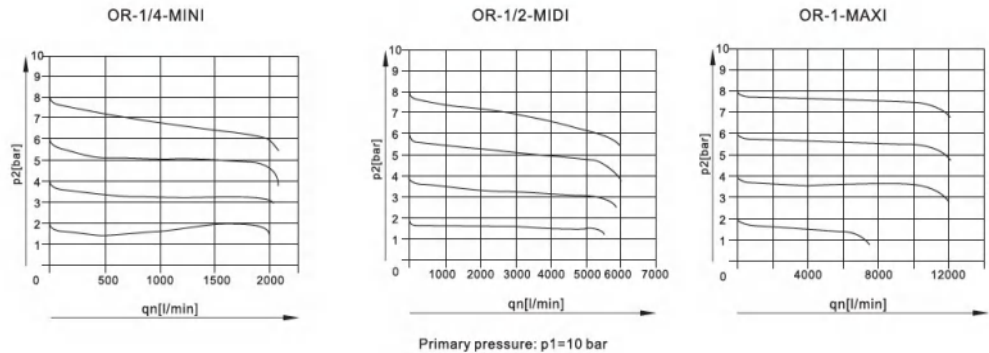
4.Internal Structure:



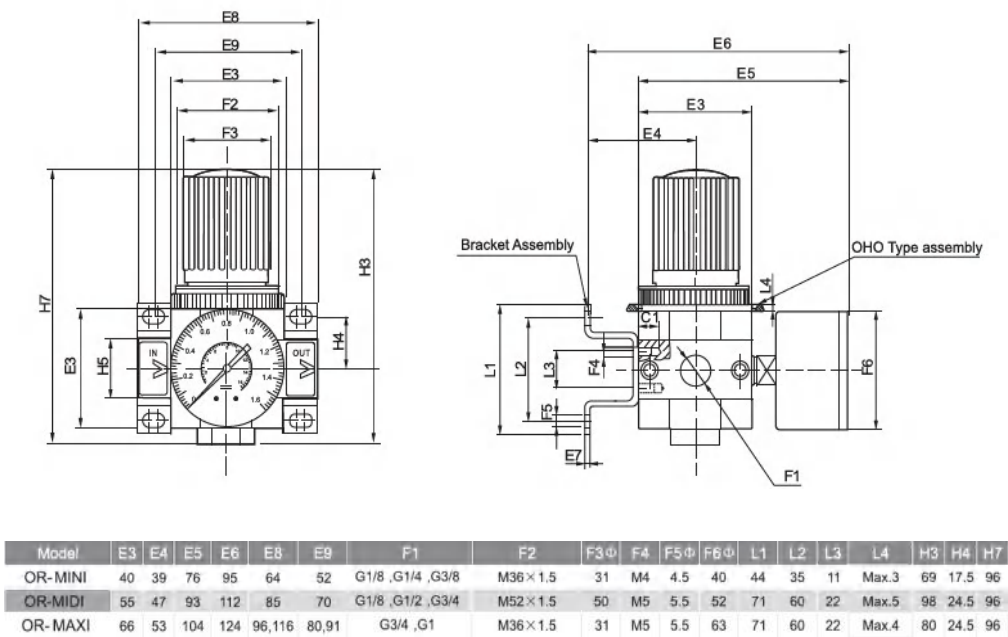
NO	Item	Material
1	Pressure knob	POM
2	Regulator cap	POM
3	Regulator nut	S35C
4	Adjusting spindle	S35C
5	Pressure spring	SWC
6	Fixed ring	6061-T6
7	One part of membrane	NBR
8	O-ring	NBR
9	Flange-IN	Zinc alloy
10	Spool	Brass
11	O-ring	NBR
12	O-ring	NBR
13	Fasteners	Brass
14	Locker cover	Zinc alloy
15	Wearing sheet	Insulation sheet
16	OR Sheet	NBR
17	Overflow base	6061-T6
18	One part of diaphragm	SPCC
19	Diaphragm	NBR+Nylon Mesh
20	O-ring	NBR
21	OR Body	Zinc alloy
22	Plug	POM
23	O-ring	NBR
24	Flange-OUT	Zinc alloy
25	Allen screw	S35C
26	Spring	SWPB

5. Flow rate diagram:


Standard flow rate qn as a function of the output pressure p2.



6. Overall and Dimension Sheet:



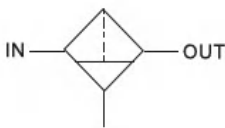
OF Series Air Filter



**1.Ordering Code :**

OF	-	MINI	-	1/4	-	□
↑		↑		↑		↑
Model		Body size		Port size		Blank: Manual
Air Filter		MINI		1/8: G1/8		D:With Autodrain
		MIDI		1/4: G1/4		
		MAXI		3/8: G3/8		
				1/2: G1/2		
				3/4: G3/4		
				1: G1		

Graphic Symbol



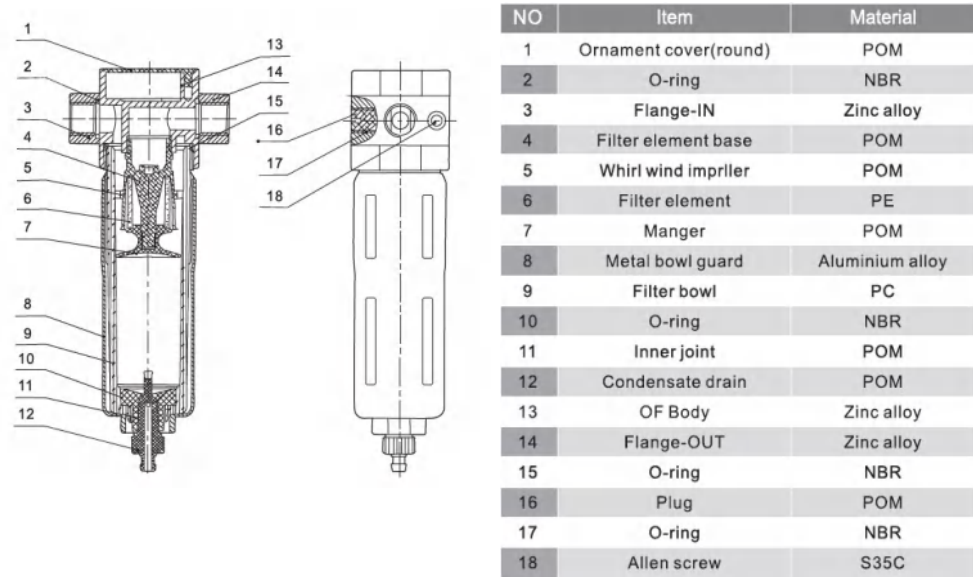
2.Characteristics:

- 1) The OF with water separate cleans the compressed air of fluid oil,condensation and dirt particles.  
For special application,the standard 40µm filter element may easily be replaced by a 5µm filter element.
- 2) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

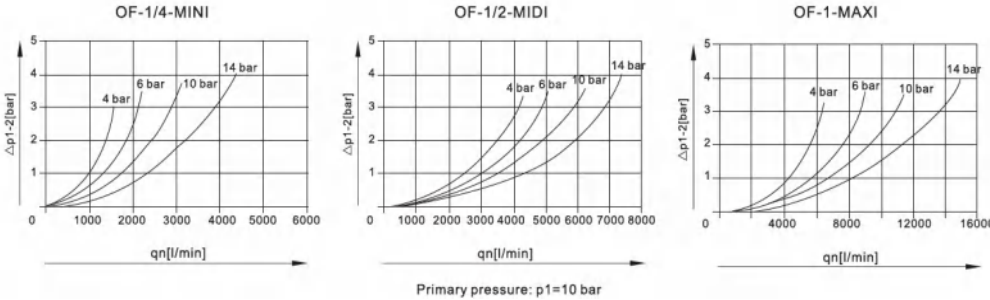
Boby size	MINI			MIDI			MAXI	
Model	OF-MINI-1/8	OF-MINI-1/4	OF-MINI-3/8	OF-MIDI-3/8	OF-MIDI-1/2	OF-MIDI-3/4	OF-MAXI-3/4	OF-MAXI-1
Applicable medium	Compressed Air							
Mounting type	Pipe mounting or foot mounting							
Assembly position	Vertical ±5°							
Working pressure range	0~1.6 MPa							
Temperature range	0°C~60°C							
Nominal flow rate(40µm) L/min	1000	1200	1400	2700	3000	3000	5000	5300
Nominal flow rate(5µm) L/min	600	950	1100	1800	1900	1900	3200	3300
Grade of filtration	40µm/5µm							
Capacity of condensate fluid	22ml			43ml			80ml	
Min. Standard nominal flow rate	3L/min			6L/min			10L/min	
Port size	G1/8	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1

4.Internal Structure:

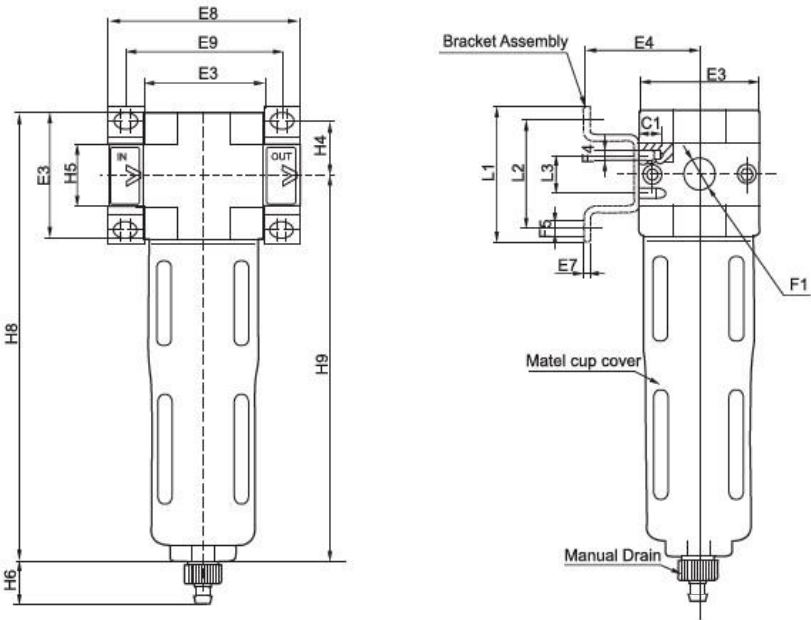


5. Flow rate diagram:

Standard flow rate qn as a function of the output pressure p2.




6. Overall and Dimension Sheet:



Model	E3	E4	E7	E8	E9	F1	F4	F5	L1	L2	L3	H4	H5	H6	H8	H9
OF-MINI	40	39	2	64	52	G1/8 ,G1/4 ,G3/8	M4	4.5	44	35	11	17.5	20	15	144	129
OF-MIDI	55	47	3	85	70	G1/8 ,G1/2 ,G3/4	M5	5.5	71	60	22	24.5	32	15	179	156
OF-MAXI	66	53	3	96,116	80,91	G3/4 ,G1	M5	5.5	71	60	22	24.5	32,40	15	203	175



OL Series Lubricator



1.Ordering Code :

OL

↑

Model  
Lubricator

-

MINI

↑

Body size  
MINI  
MIDI  
MAXI

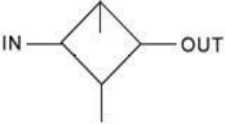
-

1/4

↑

Port size  
1/8: G1/8  
1/4: G1/4  
3/8: G3/8  
1/2: G1/2  
3/4: G3/4  
1: G1

Graphic Symbol



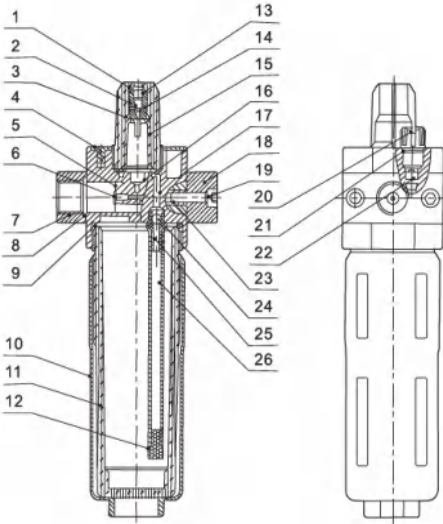
2.Characteristics:

- 1) The proportional lubricator adds a regulated quantity of oil to the filtered air.  
The oil-mist content proportional to the flow and oil can be added during operation.  
The oil drip rate is controlled by the adjustable bolt. Normally, 1 to 12 drops /1000L of the air is sufficient.
- 4) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Boby size	MINI			MIDI			MAXI	
Model	OL-MINI-1/8	OL-MINI-1/4	OL-MINI-3/8	OL-MIDI-3/8	OL-MIDI-1/2	OL-MIDI-3/4	OL-MAXI-3/4	OL-MAXI-1
Applicable medium	Compressed Air							
Mounting type	Pipe mounting or foot mounting							
Assembly position	Vertical ± 5°							
Working pressure range	0~1.6 MPa							
Temperature range	0°C~60°C							
Nominal flow rate(40µm) L/min	1300	2300	2700	5500	6100	6300	8400	9000
Capacity of condensate fluid	22ml			43ml			80ml	
Min. Standard nominal flow rate	3L/min			6L/min			10L/min	
Recommended oil	ISO VG32 or the same grade oil							
Port size	G1/8	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1

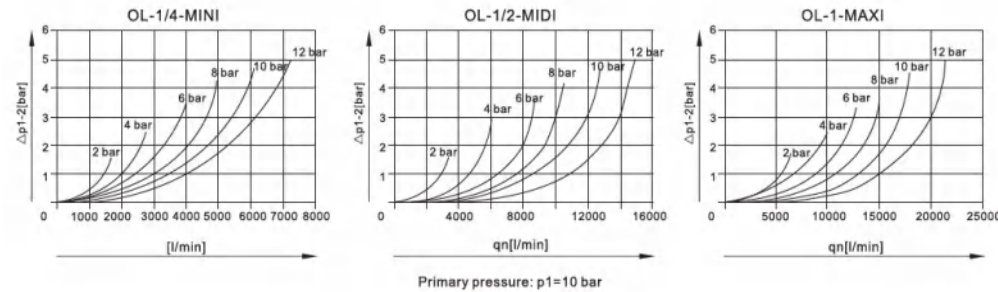
4.Internal Structure:



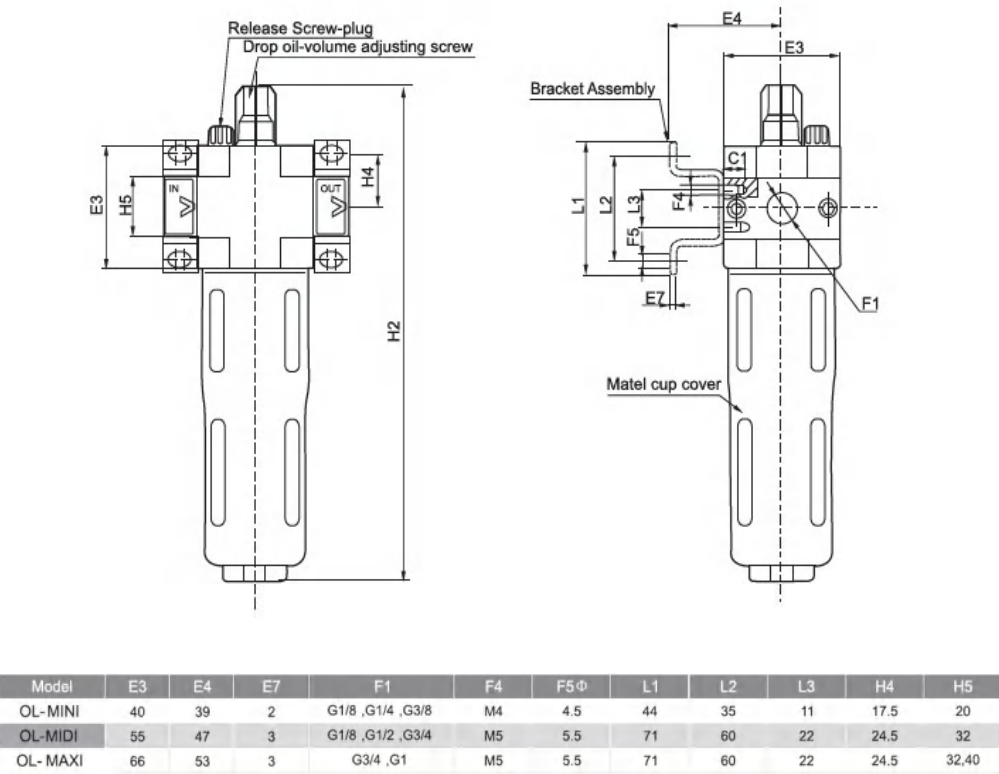
NO	Item	Material
1	Upper glass	PC
2	Adjust screw	Brass
3	O-ring	NBR
4	Ornament cover(circular)	PO
5	Windshield chip	NBR
6	Windshield base	Brass
7	Flange-IN	Zinc alloy
8	O-ring	NBR
9	O-ring	NBR
10	Metal bowl guard	Aluminium alloy
11	Lubricator bowl	PC
12	Oil-filter plug	Brass powder sintered
13	O-ring	NBR
14	Screw base	Brass
15	Oil dropping	PC
16	Seal piece	NBR
17	OL Body	Zinc alloy
18	Flange-OUT	Zinc alloy
19	Allen screw	S35C
20	Bleeder screw	POM
21	O-ring	NBR
22	Valve pin	Brass
23	Double-end bolt	SUS
24	Steel ball	SUS304
25	Oil tube connection	POM
26	Oil tube	PU

5. Flow rate diagram:

Standard flow rate qn as a function of the output pressure p2.



6. Overall and Dimension Sheet:

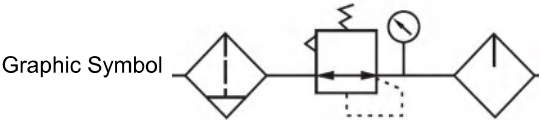


AC Series F.R.L Combination



1.Ordering Code :

AC	5000	-	10	-	□
↑	↑		↑		↑
Model	Body size		Port size		Blank: Manual
F.R.L Combination	1000		M5: M5X0.8		D:With Autodrain
	2000		01: G1/8		
	3000		02: G1/4		
	4000		03: G3/8		
	5000		04: G1/2		
			06: G3/4		
			10: G1		



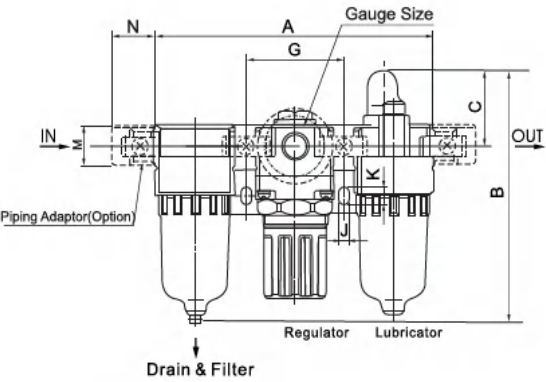
2.Characteristics:

- 1) The AC series is consisted of AF,AR and AL , each unit can be ordered separately.
- 2) The AF with water separate cleans the compressed air of fluid oil,condensation and dirt particles.  
For special application,the standard 40µm filter element may easily be replaced by a 25µm or 5µm filter element.
- 3) The AR maintain inputting constant operating pressure despite fluctuation in line pressure&the amount of air consumed.
- 4) The proportional lubricator adds a regulated quantity of oil to the filtered air.  
The oil-mist content proportional to the flow and oil can be added during operation.  
The oil drip rate is controlled by the adjustable bolt.Normally,1to 12 drops /1000L of the air is sufficient.
- 5) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

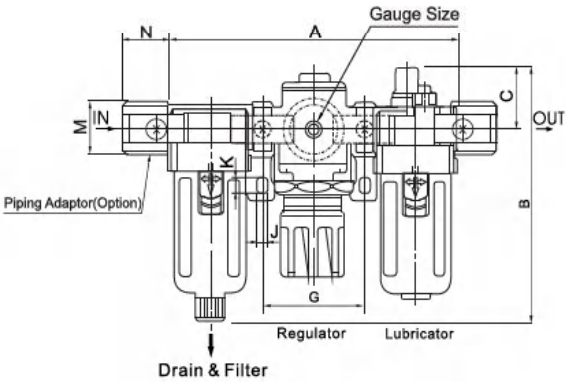
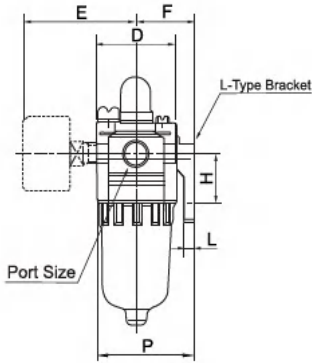
3.Specification:

Model	AC2000-01	AC2000-02	AC3000-02	AC3000-03	AC4000-03	AC4000-04	AC4000-06	AC5000-06	AC5000-10
Port size	G1/8	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1
Applicable medium	Compressed Air								
Working pressure range	0.05~0.85 MPa								
Proof pressure	1.5MPa								
Temperature range	0°C~60°C								
Nominal flow rate L/min	500	500	2000	2000	4000	4000	4500	5000	5000
Grade of filtration	40µm(in default),25µm,5µm								
Recommended oil use	ISO VG32 or the same grade oil								
Ccontainer Material	Polycarbonate								
Protective cover	Not available		Available						
Drain Function	Differential drain		Differential drain or Automatic drain						

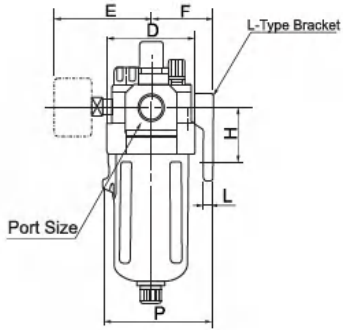
4. Overall and Dimension Sheet:



AC1000~AC2000



AC3000~AC5000



Model	Port Size(G)	A	B	C	D	E	F	G	H	J	K	L	M	N	P
AC1000	M5	91	84.5	25.5	25	26	25	33	20	4.5	7.5	5	17.5	16	38.5
AC2000	G1/8~G1/4	140	125	38	40	56.8	30	50	24	5.5	8.5	5	22	23	50
AC3000	G1/4~G3/8	181	156.5	38	53	60.8	41	64	35	7	11	7	34.2	26	70.5
AC4000	G3/8~1/2	238	191.5	41	70	65.5	50	84	40	9	13	7	42.2	33	88
AC4000-06	G3/4	153	193	40.5	70	69.5	50	89	40	9	13	7	46.2	36	88
AC5000	G3/4~G1	300	271.5	48	90	75.5	69.8	105	50	12	16	10.5	55.5	40	115

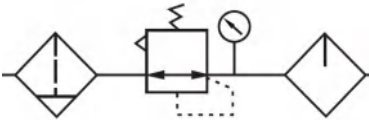
AC Series FR.L Combination



1.Ordering Code :

AC	5000	-	10	-	□
↑	↑		↑		↑
Model	Body size		Port size		Blank: Manual
FR.L Combination	1000		M5: M5X0.8		D:With Autodrain
	2000		01: G1/8		
	3000		02: G1/4		
	4000		03: G3/8		
	5000		04: G1/2		
			06: G3/4		
			10: G1		

Graphic Symbol



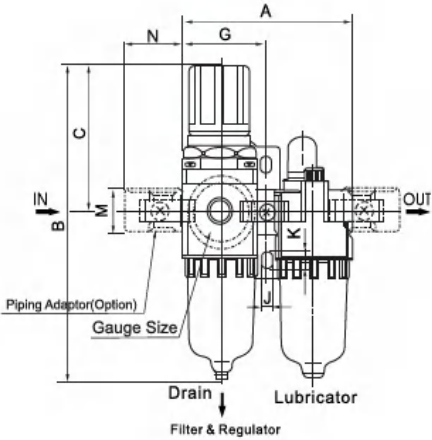
2.Characteristics:

- 1) The AC series is consisted of AW and AL , each unit can be ordered separately.
- 2) The AW with water separate cleans the compressed air of fluid oil,condensation and dirt particles.  
For special application,the standard 40µm filter element may easily be replaced by a 25µm or 5µm filter element.  
And the AW maintain inputting constant operating pressure despite fluctuation in line pressure&the amount of air consumed.
- 3) The proportional lubricator adds a regulated quantity of oil to the filtered air.  
The oil-mist content proportional to the flow and oil can be added during operation.  
The oil drip rate is controlled by the adjustable bolt.Normally,1to 12 drops /1000L of the air is sufficient.
- 4) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

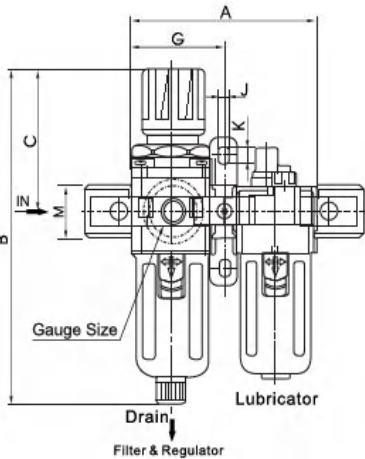
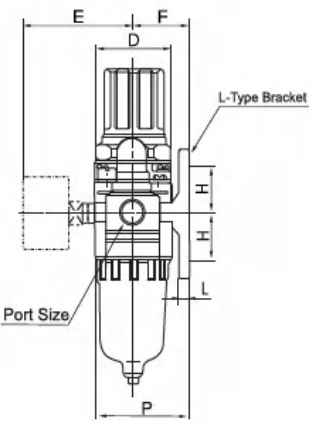
3.Specification:

Model	AC2010-01	AC2010-02	AC3010-02	AC3010-03	AC4010-03	AC4010-04	AC4010-06	AC5010-06	AC5010-10
Port size	G1/8	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1
Applicable medium	Compressed Air								
Working pressure range	0.05~0.85 MPa								
Proof pressure	1.5MPa								
Temperature range	0°C~60°C								
Nominal flow rate L/min	500	500	1700	1700	3000	3000	3000	4000	4000
Grade of filtration	40µm(in default),25µm,5µm								
Recommended oil use	ISO VG32 or the same grade oil								
Ccontainer Material	Polycarbonate								
Protective cover	Not available		Available						
Drain Function	Differential drain		Differential drain or Automatic drain						

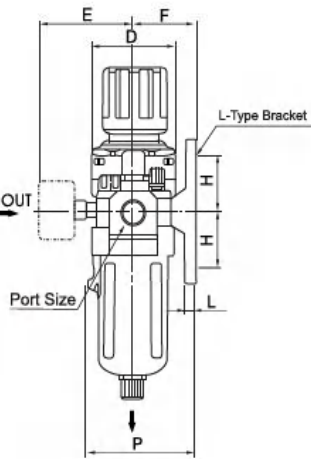
4. Overall and Dimension Sheet:



AC1010~AC2010



AC3010~AC5010



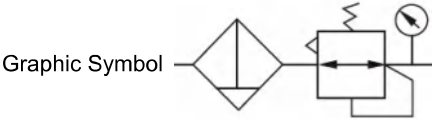
Model	Port Size(G)	A	B	C	D	E	F	G	H	J	K	L	M	N	P
AC1010	M5	58	109.5	50.5	25	26	25	29	20	4.5	7.5	5	17.5	16	38.5
AC2010	G1/8~G1/4	90	164.5	78	40	56.8	30	45	24	5.5	8.5	5	22	23	50
AC3010	G1/4~G3/8	117	211	92.5	53	60.8	41	58.5	35	7	11	7	34.2	26	70.5
AC4010	G3/8~1/2	154	262	112	70	70.5	50	77	40	9	13	7	42.2	33	88
AC4010-06	G3/4	164	267	114	70	70.5	50	82	40	9	13	7	46.2	36	88
AC5010	G3/4~G1	195	338	116	90	75.5	69.8	97.5	50	12	16	10.5	55.5	40	115

AW Series Filter & Regulator



1.Ordering Code :

AW	-	2000	-	02	-	□
↑		↑		↑		↑
Model		Body size		Port size		Blank: Manual
Filter&Regulator		1000		M5: M5X0.8		D:With Autodrain
		2000		01: G1/8		
		3000		02: G1/4		
		4000		03: G3/8		
		5000		04: G1/2		
				06: G3/4		
				10: G1		



2.Characteristics:

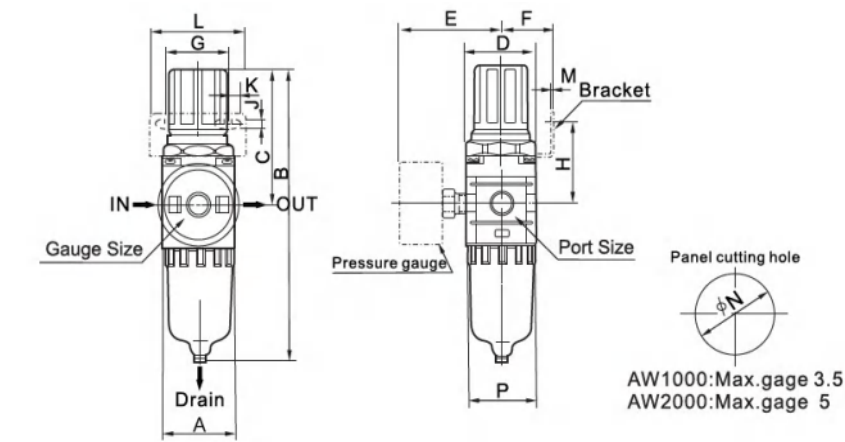
- 1) The AW with water separate cleans the compressed air of fluid oil,condensation and dirt particles.  
For special application,the standard 40µm filter element may easily be replaced by a 5µm filter element.  
And it maintains inputting constant operating pressure despite fluctuation in line pressure&the amount of air consumed.
- 2) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

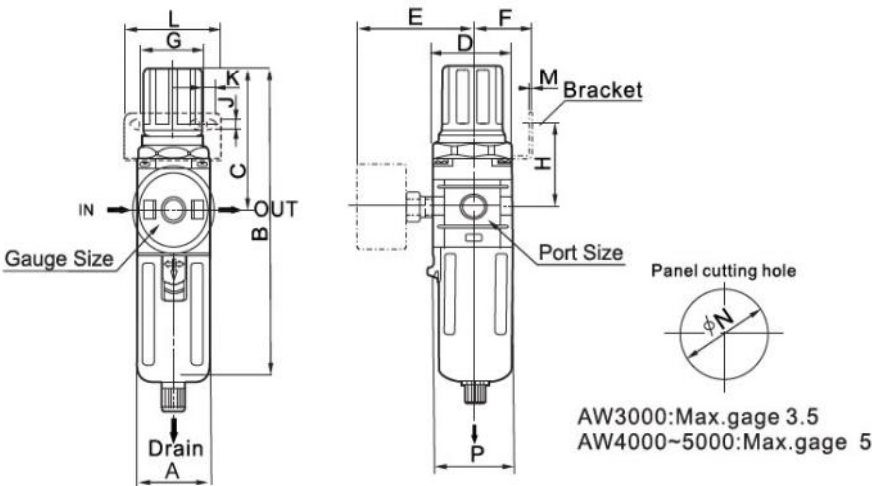
Model	AW2000-01	AW2000-02	AW3000-02	AW3000-03	AW4000-03	AW4000-04	AW4000-06	AW5000-06	AW5000-10
Port size	G1/8	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1
Applicable medium	Compressed Air								
Working pressure range	0.05~0.85 MPa								
Proof pressure	1.5MPa								
Temperature range	0°C~60°C								
Nominal flow rate L/min	550	550	2000	2000	4000	4000	4500	5000	5000
Grade of filtration	40µm(in default),25µm,5µm								
Ccontainer Material	Polycarbonate								
Protective cover	Not available		Available						
Drain Function	Differential drain		Differential drain or Automatic drain						



4. Overall and Dimension Sheet:




AW1000~AW2000



AW3000~AW5000

Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	M	N	P
AW1000	M5	25	109.5	50.5	25	26	25	28	30	4.5	6.5	40	2	20.5	28
AW2000	G1/8~G1/4	40	164.5	78	40	56.8	30	34	43.5	5.4	15.4	55	2.3	33.5	40
AW3000	G1/4~G3/8	53	211	92.5	53	60.8	39	40	46	6.5	8	53	2.3	42.5	56
AW4000	G3/8~1/2	70	262	112	70	70.5	49.2	54	53.5	8.5	10.5	70	2.3	52.2	73
AW4000-06	G3~4	75	267	114	70	70.5	49.2	54	55.5	8.5	10.5	70	2.3	52.5	73
AW5000	G3/4~G1	90	338	116	90	75.5	49.2	54	62	8.5	10.5	70	2.3	52.5	90

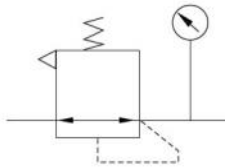
AR Series Air Regulator



1.Ordering Code :

AR	-	2000	-	02
↑		↑		↑
Model		Body size		Port size
Air Regulator		1000		M5: M5X0.8
		2000		01: G1/8
		3000		02: G1/4
		4000		03: G3/8
		5000		04: G1/2
				06: G3/4
				10: G1

Graphic Symbol



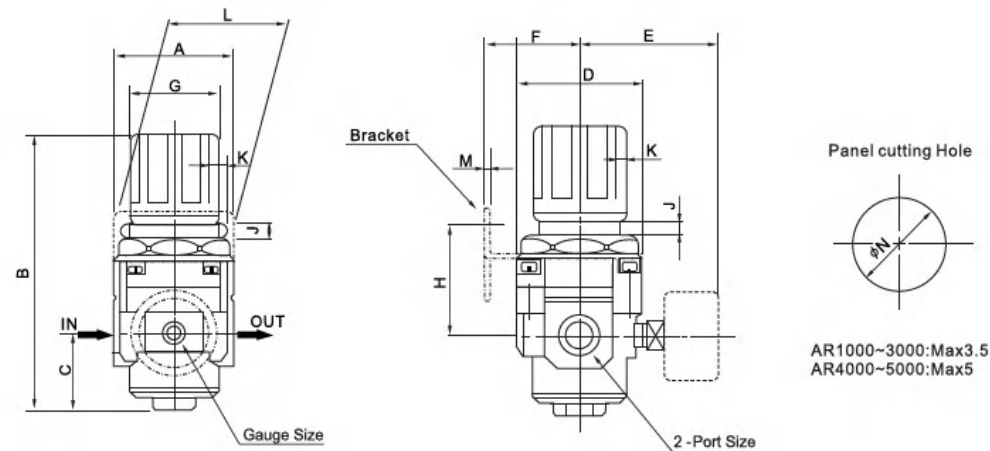
2.Characteristics:

- 1) The AR maintain inputting constant operating pressure despite fluctuation in line pressure&the amount of air consumed.
- 2) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Model	AR2000-01	AR2000-02	AR3000-02	AR3000-03	AR4000-03	AR4000-04	AR4000-06	AR5000-06	AR5000-10
Port size	G1/8	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1
Applicable medium	Compressed Air								
Working pressure range	0.05~0.85 MPa								
Proof pressure	1.5MPa								
Temperature range	0°C~60°C								
Nominal flow rate L/min	550	550	2500	2500	2500	6000	6000	8000	8000

4. Overall and Dimension Sheet:



Model	Port Size( G )	A	B	C	D	E	F	G	H	J	K	L	M	N
AR1000	M5	25	61.5	11	25	26	25	28	30	4.5	6.5	40	2	20.5
AR2000	G1/8-G1/4	40	95	17	40	56.8	30	34	44	5.4	15.4	55	2.3	33.5
AR3000	G1/4-G3/8	53	127.5	35	53	60.8	39	40	46	6.5	8	53	2.3	42.5
AR4000	G3/8-1/2	70	149.5	37.5	70	65.5	49.5	54	54	8.5	10.5	70	2.3	52.5
AR4000-06	G3-4	75	154	40.5	70	69.5	49.5	54	55.5	8.5	10.5	70	2.3	52.5
AR5000	G3/4-G1	90	168	48	90	75.5	49.5	54	62	8.5	10.5	70	2.3	52.5

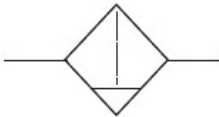
AF Series Air Filter



1.Ordering Code :

AF	-	4000	-	04	-	□
↑		↑		↑		↑
Model		Body size		Port size		Blank: Manual
Air Filter		1000		M5: M5X0.8		D:With Autodrain
		2000		01: G1/8		
		3000		02: G1/4		
		4000		03: G3/8		
		5000		04: G1/2		
				06: G3/4		
				10: G1		

Graphic Symbol



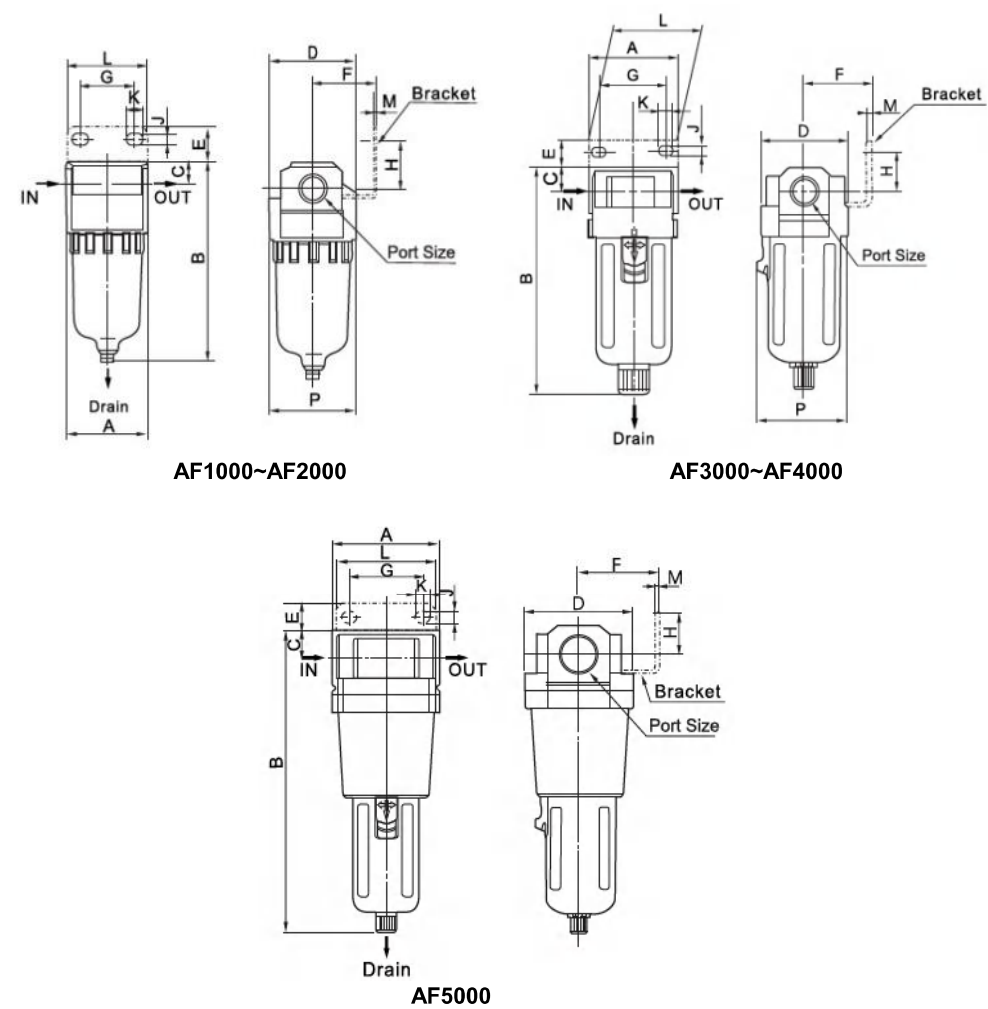
2.Characteristics:

- 1) The AF with water separate cleans the compressed air of fluid oil,condensation and dirt particles.  
For special application,the standard 40µm filter element may easily be replaced by a 25µm or 5µm filter element.
- 2) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Model	AF2000-01	AF2000-02	AF3000-02	AF3000-03	AF4000-03	AF4000-04	AF4000-06	AF5000-06	AF5000-10
Port size	G1/8	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1
Applicable medium	Compressed Air								
Working pressure range	0~1.0 MPa								
Proof pressure	1.5MPa								
Temperature range	0℃~60℃								
Nominal flow rate L/min	750	750	1500	1500	4000	4000	6000	7000	7000
Grade of filtration	40µm(in default),25µm,5µm								
Ccontainer Material	Polycarbonate								
Protective cover	Not available		Available						
Drain Function	Differential drain		Differential drain or Automatic drain						

4. Overall and Dimension Sheet:



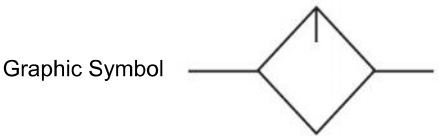
Model	Port Size(G)	A	B	C	D	E	F	G	H	J	K	L	M	P
AF1000	M5	25	66	7	25	-	-	-	-	-	-	-	-	26.5
AF2000	G1/8~G1/4	40	97.5	11	40	17	30	27	22	5.4	8.4	40	2.3	40
AF3000	G1/4~G3/8	53	132.5	14	53	16	41	40	23	6.5	8	53	2.3	56
AF4000	G3/8~1/2	70	168.5	18	70	17	50	54	26	8.5	10.5	70	2.3	73
AF4000-06	G3~4	75	172.5	20	70	14	50	54	25	8.5	10.5	70	2.3	73
AF5000	G3/4~G1	90	247.5	24	90	23	66.5	66	35	11	13	90	3.2	90

AL Series Lubricator



Ordering Code : 1

AL	-	3000	-	03
↑		↑		↑
Model		Body size		Port size
Lubricator		1000		M5: M5X0.8
		2000		01: G1/8
		3000		02: G1/4
		4000		03: G3/8
		5000		04: G1/2
				06: G3/4
				10: G1



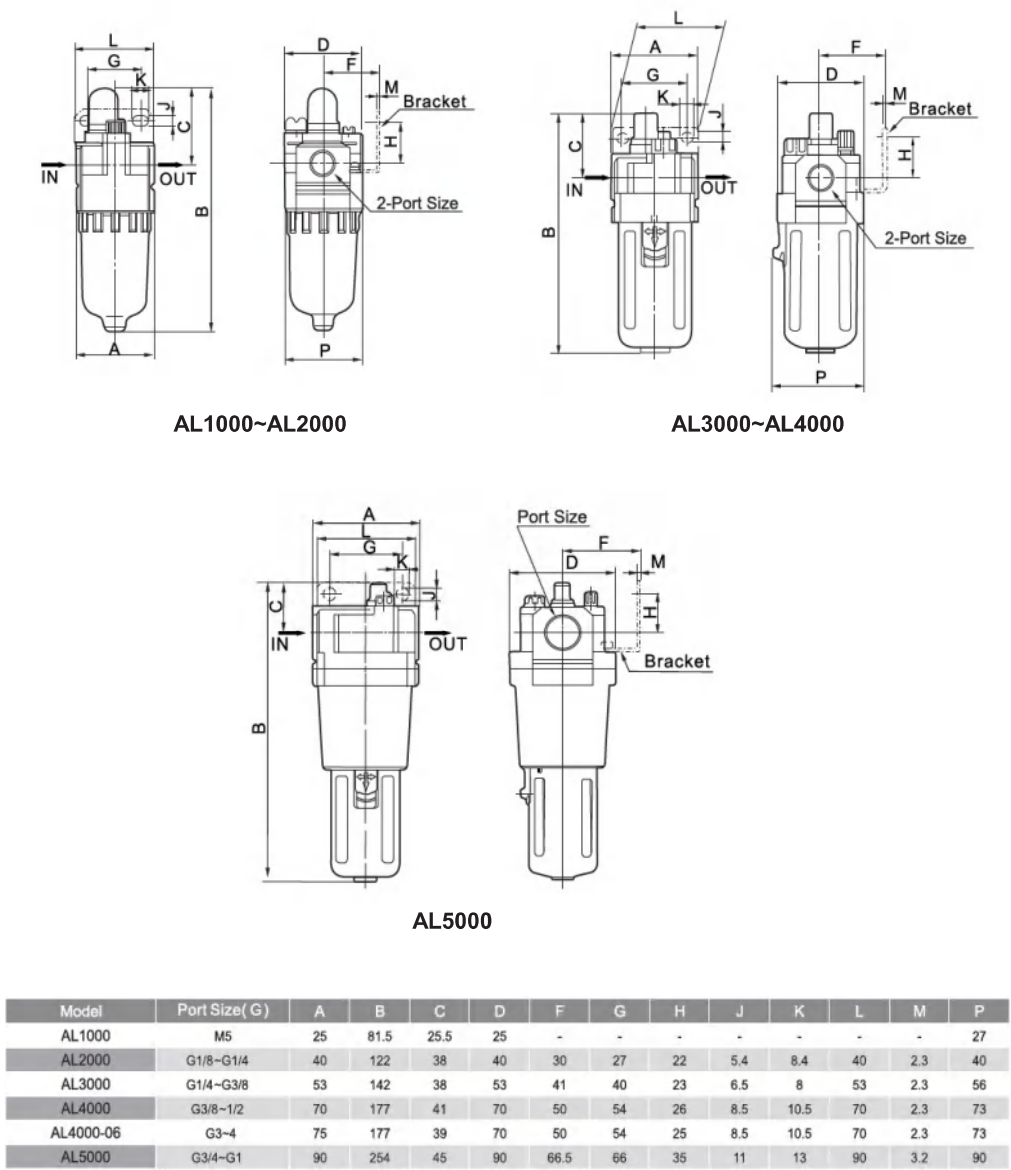
2.Characteristics:

- 1) The proportional lubricator adds a regulated quantity of oil to the filtered air.  
The oil-mist content proportional to the flow and oil can be added during operation.  
The oil drip rate is controlled by the adjustable bolt. Normally, 1 to 12 drops / 1000L of the air is sufficient.
- 2) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

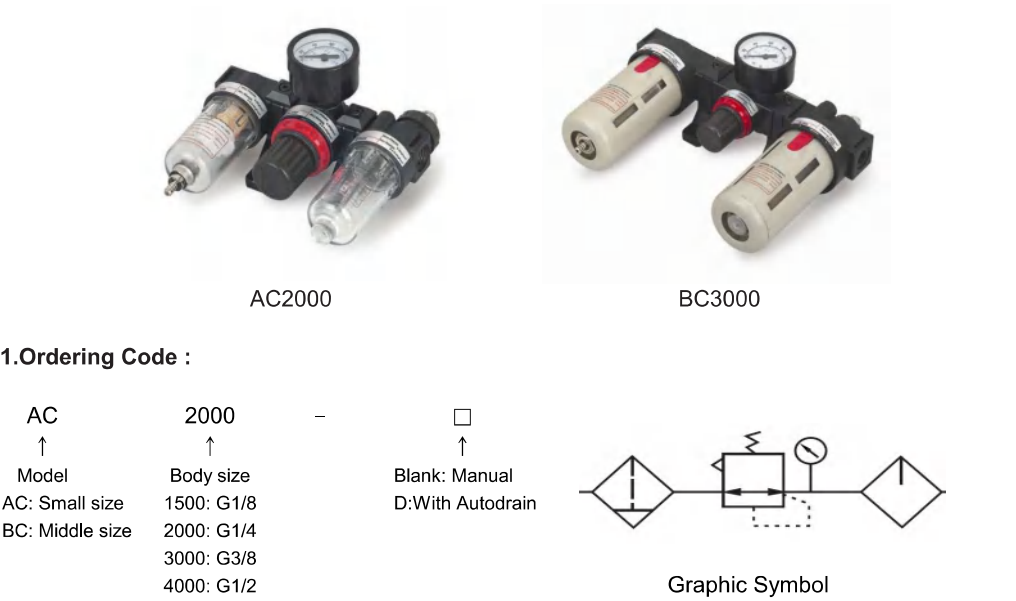
3.Specification:

Model	AL2000-01	AL2000-02	AL3000-02	AL3000-03	AL4000-03	AL4000-04	AL4000-06	AL5000-06	AL5000-10
Port size	G1/8	G1/4	G1/4	G3/8	G3/8	G1/2	G3/4	G3/4	G1
Applicable medium	Compressed Air								
Working pressure range	0~1.0 MPa								
Proof pressure	1.5MPa								
Temperature range	0°C~60°C								
Nominal flow rate L/min	800	800	1700	1700	5000	5000	6300	7000	9000
Recommended oil use	ISO VG32 or the same grade oil								
Ccontainer Material	Polycarbonate								
Protective cover	Not available		Available						

4. Overall and Dimension Sheet:



AC,BC Series F.R.L Combination



2.Characteristics:

- 1) The AC series is consisted of AF, AR,and AL , each unit can be ordered separately.
- 2) The BC series is consisted of BF, BR,and BL , each unit can be ordered separately.
- 3) AC, BC series F.R.L combination conforms to AirTac standard.
- 4) The AF,BF with water separate cleans the compressed air of fluid oil,condensation and dirt particles.
- 5) The AR,BR maintain inputting constant operating pressure despite fluctuation in line pressure.
- 6) The AL,BL proportional lubricator adds a regulated quantity of oil to the filtered air.
- 7) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Model	AC1500	AC2000	BC2000	BC3000	BC4000
Port size	G1/8	G1/4	G1/4	G3/8	G1/2
Applicable medium	Compressed Air				
Grade of filtration	40μm				
Working pressure range	0.05~0.85 MPa				
Proof pressure	1.5MPa				
Temperature range	5℃~60℃				
Capacity of Filter Cup	15ml		60ml		
Capacity of oil feed cup	25ml		90ml		
Recommended oil use	ISO VG32 or the same grade oil				
Container Material	Polycarbonate				
Protective cover	Not available		Available		



## AFC,BFC Series FR.L Combination



AFC2000

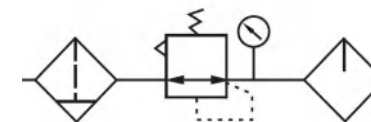


BFC3000

**1.Ordering Code :**

AFC	2000
↑	↑
Model	Body size
AFC: Small size	1500: G1/8
BFC: Middle size	2000: G1/4
	3000: G3/8
	4000: G1/2

Blank: Manual  
D:With Autodrain



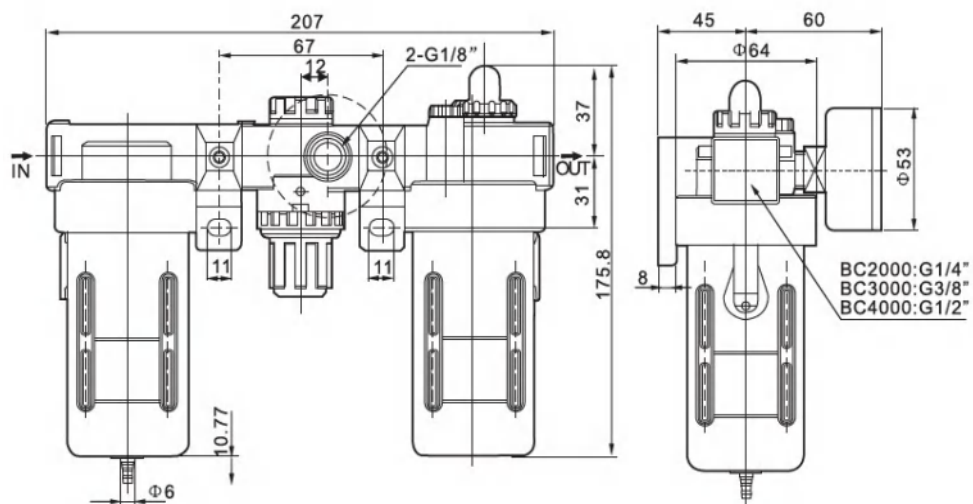
Graphic Symbol

## 2.Characteristics:

- 1) The AFC series is consisted of AFR and AL , each unit can be ordered separately.
- 2) The BFC series is consisted of BFR and BL , each unit can be ordered separately.
- 3) AFC, BFC series FR.L combination conforms to AirTac standard.
- 4) The AFR,BFR with water separate cleans the compressed air of fluid oil,condensation and dirt particles. and maintain inputting constant operating pressure despite fluctuation in line pressure.
- 5) The AL,BL proportional lubricator adds a regulated quantity of oil to the filtered air.
- 6) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

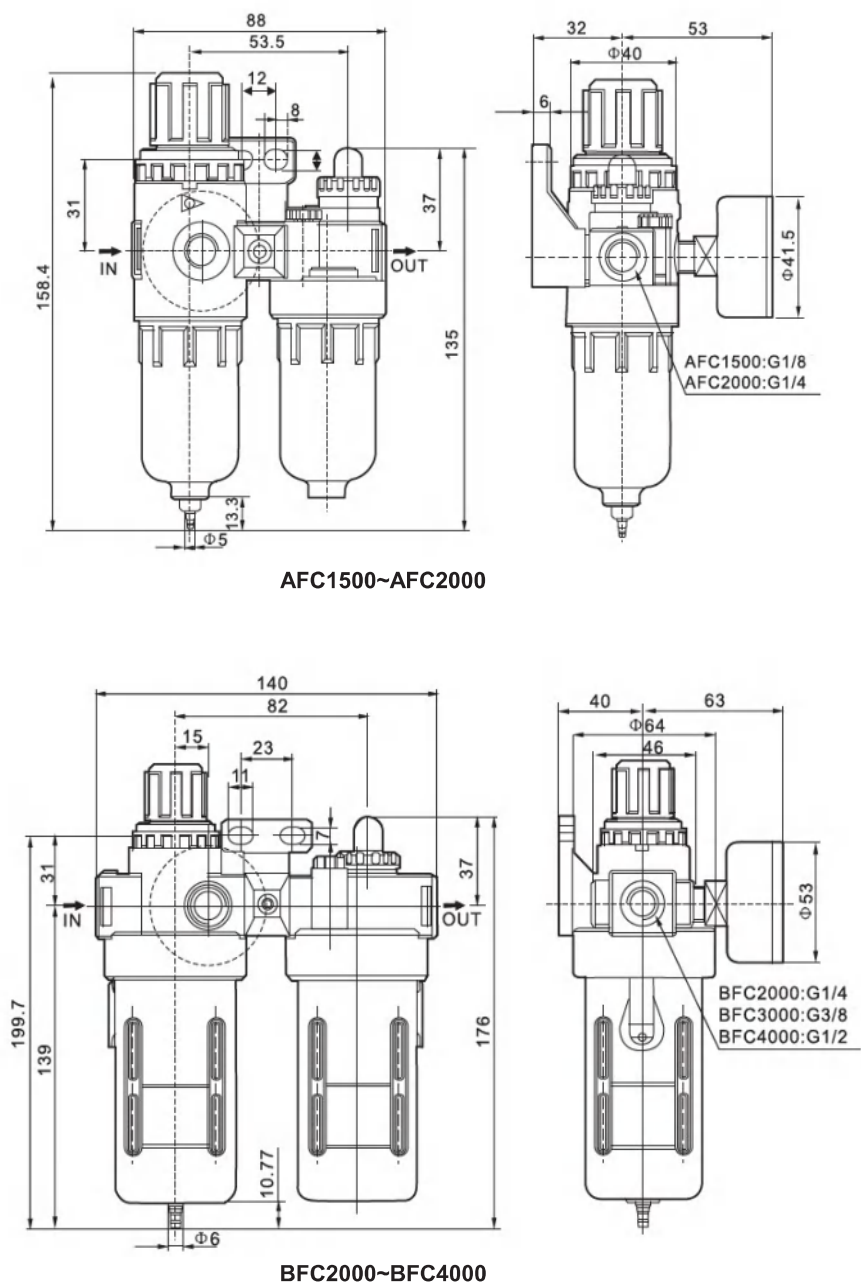
### 3.Specification:

Model	AFC1500	AFC2000	BFC2000	BFC3000	BFC4000
Port size	G1/8	G1/4	G1/4	G3/8	G1/2
Applicable medium	Compressed Air				
Grade of filtration	40μm				
Working pressure range	0.05~0.85 MPa				
Proof pressure	1.5MPa				
Temperature range	5℃~60℃				
Capacity of Filter Cup	15ml		60ml		
Capacity of oil feed cup	25ml		90ml		
Recommended oil use	ISO VG32 or the same grade oil				
Ccontainer Material	Polycarbonate				
Protective cover	Not available		Available		

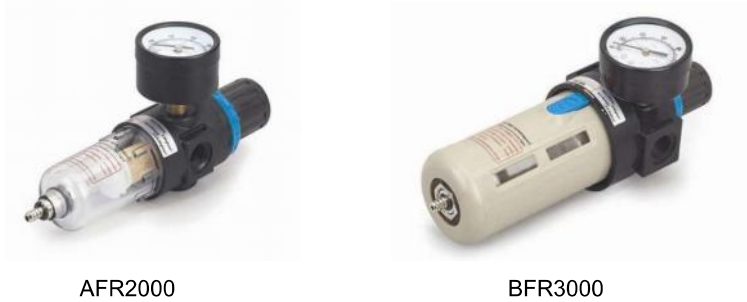


## BC2000~BC4000

4. Overall and Dimension Sheet:

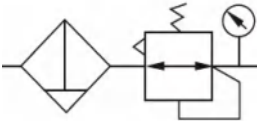


AFR,BFR Series Air Filter and Regulator



1.Ordering Code :

AFR	2000	-	□
↑	↑		↑
Model	Body size		Blank: Manual
AFR: Small size	1500: G1/8		D:With Autodrain
BFR: Middle size	2000: G1/4		
	3000: G3/8		
	4000: G1/2		



Graphic Symbol

2.Characteristics:

- 1) AFR, BFR series filter&regulator conforms to AirTac standard. and with water separate cleans the compressed air of fluid oil,condensation and dirt particles.
- 2) They maintain imputting constant operating pressure despite fluctuation in line pressure.
- 3) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Model	AFR1500	AFR2000	BFR2000	BFR3000	BFR4000
Port size	G1/8	G1/4	G1/4	G3/8	G1/2
Applicable medium	Compressed Air				
Grade of filtration	40μm				
Working pressure range	0.05~0.85 MPa				
Proof pressure	1.5MPa				
Temperature range	5℃~60℃				
Capacity of Filter Cup	15ml		60ml		
Ccontainer Material	Polycarbonate				
Protective cover	Not available		Available		

## AF,BF Series Air Filter



AF2000



BF3000

**1.Ordering Code :**

AF                      2000                      —                      □

↑                      ↑                                           ↑

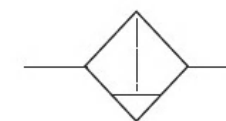
Model                      Body size                      Blank: Manual

AF: Small size                      1500: G1/8                      D: With Autodrain

BF: Middle size                      2000: G1/4

   3000: G3/8

   4000: G1/2



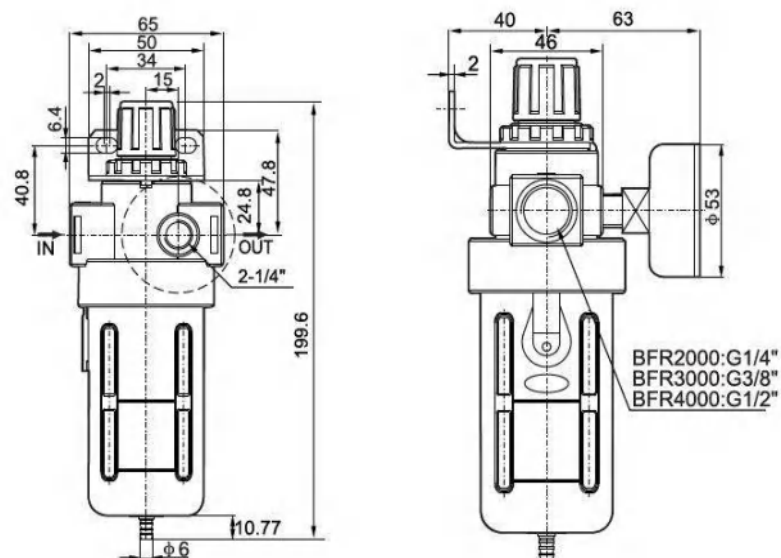
Graphic **S**ymbol

## 2.Characteristics:

- 1) The AF,BF with water separate cleans the compressed air of fluid oil,condensation and dirt particles.
- 2) Different thread type can be offered according to customers' requirements, e.g.PT, NPT etc.

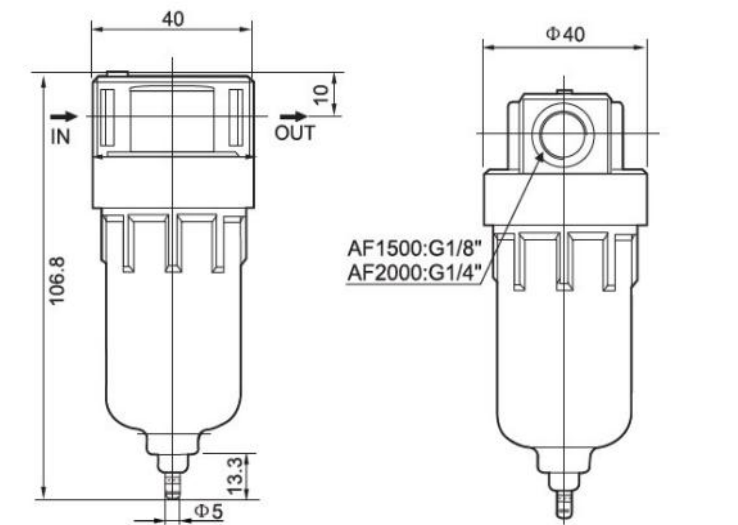
### 3.Specification:

Model	AF1500	AF2000	BF2000	BF3000	BF4000
Port size	G1/8	G1/4	G1/4	G3/8	G1/2
Applicable medium	Compressed Air				
Grade of filtration	40μm				
Working pressure range	0~1.0 MPa				
Proof pressure	1.5MPa				
Temperature range	5℃~60℃				
Capacity of Filter Cup	15ml		60ml		
Container Material	Polycarbonate				
Protective cover	Not available		Available		

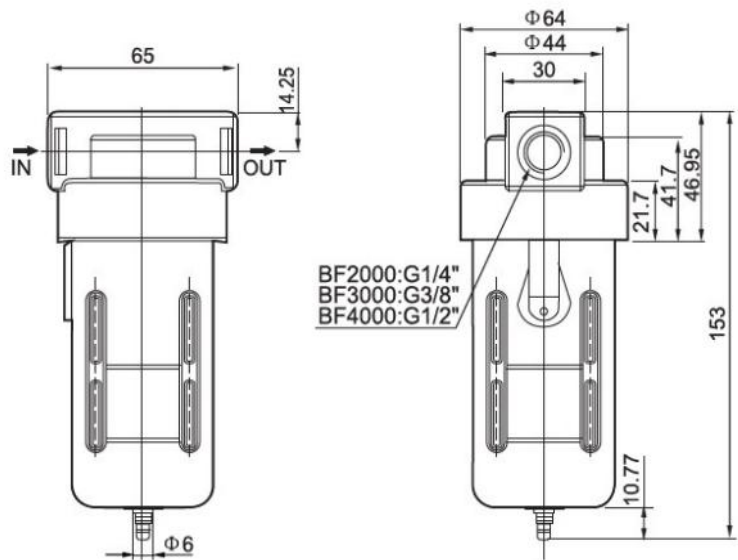


**BFR2000~BFR4000**

4. Overall and Dimension Sheet:



AF1500~AF2000



BF2000~BF4000

AR, BR Series Air Regulator



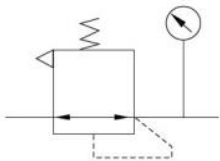
AR2000



BR3000

1.Ordering Code :

AR                      2000  
↑                            ↑  
Model                    Body size  
AR: Small size        1500: G1/8  
BR: Middle size      2000: G1/4  
                              3000: G3/8  
                              4000: G1/2



Graphic Symbol

2.Characteristics:

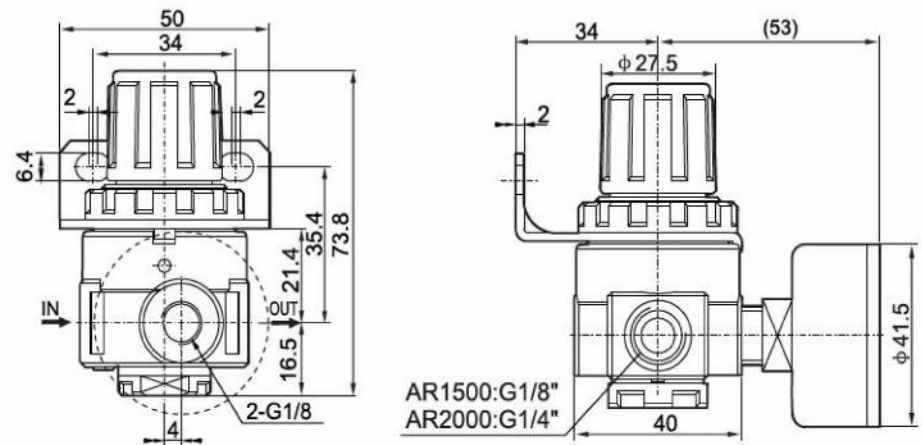
- 1) The AR,BR maintain imputting constant operating pressure despite fluctuation in line pressure.
- 2) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

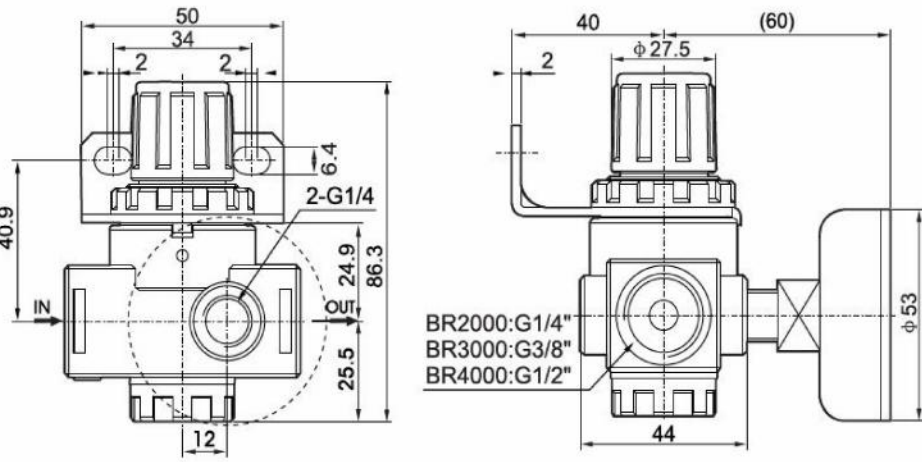
Model	AR1500	AR2000	BR2000	BR3000	BR4000
Port size	G1/8	G1/4	G1/4	G3/8	G1/2
Applicable medium	Compressed Air				
Working pressure range	0.05~0.85 MPa				
Proof pressure	1.5MPa				
Temperature range	5°C~60°C				



4. Overall and Dimension Sheet:



AR1500~AR2000



BR2000~BR4000

AL , BL Series Lubricator



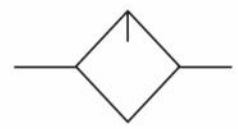
AL2000



BL3000

1.Ordering Code :

AL                      2000  
↑                      ↑  
Model                Body size  
AL: Small size      1500: G1/8  
BL: Middle size    2000: G1/4  
                          3000: G3/8  
                          4000: G1/2



Graphic Symbol

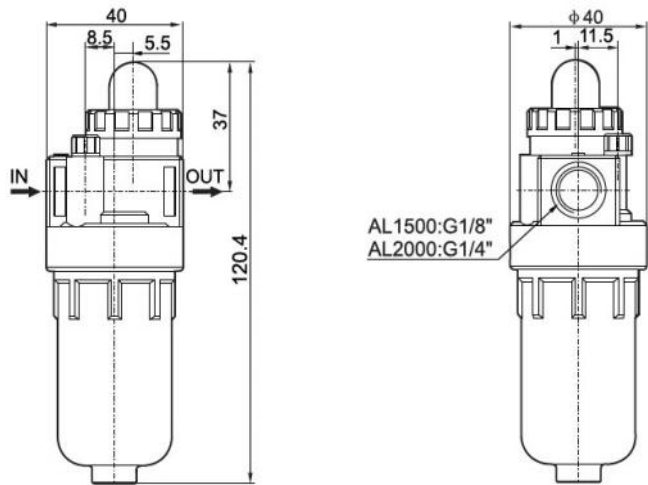
2.Characteristics:

- 1) The AL,BL proportional lubricator adds a regulated quantity of oil to the filtered air.
- 2) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

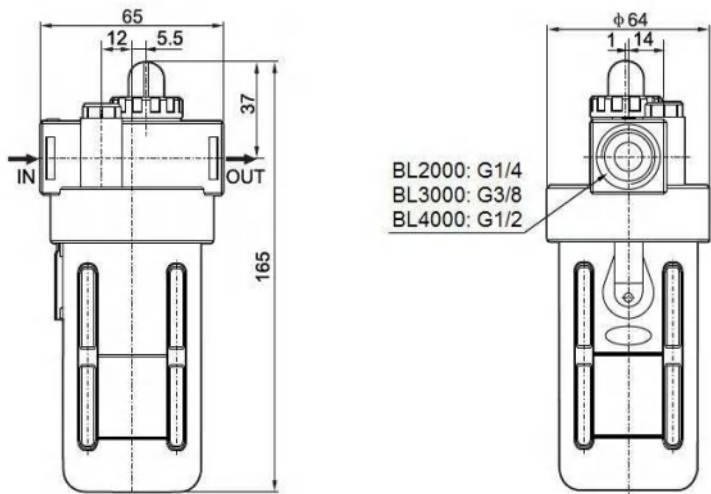
3.Specification:

Model	AL1500	AL2000	BL2000	BL3000	BL4000
Port size	G1/8	G1/4	G1/4	G3/8	G1/2
Applicable medium	Compressed Air				
Working pressure range	0~1.0 MPa				
Proof pressure	1.5MPa				
Temperature range	5℃~60℃				
Capacity of oil feed cup	25ml		90ml		
Recommended oil use	ISO VG32 or the same grade oil				
Ccontainer Material	Polycarbonate				
Protective cover	Not available		Available		

4. Overall and Dimension Sheet:



AL1500~AL2000



BL2000~BL4000

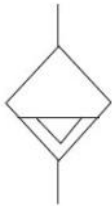
SAD402-S Series End Auto Drainer



1.Ordering Code :

SAD402	-	S	-	02
↑		↑		↑
Model		Type		Port size
End Autodrain		S type		02: G1/4
				03: G3/8
				04: G1/2

Graphic Symbol



2.Characteristics:

- 1) This product is often used to the lower places of auto-drain piping,frozen type air drying machine,oil separator, air drying tanks and the bottom of various air filters.
- 2) It can be installed in the pl-aces inconvent for manual dis-charge of sewage.Such as higher,lower and nrrrow places, especially there's large consumption of air of frequent water drains.
- 3) It can prev-ent thecompressed air being re-polluted by condonse water resul-ting from neglect of manual drain.
- 2) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Model	AD402-S-02	AD402-S-03	AD402-S-04
Applicable medium	Compressed Air		
Working pressure range	0.3~0.8 MPa		
Proof pressure	1.5MPa		
Working Temperature range	5°C~60°C		
Port size	G1/4	G3/8	G1/2
Bottom drain port size	G3/8 Female thread		
Drain Status	Normal open type		

## SAD402-X Series End Auto Drainer



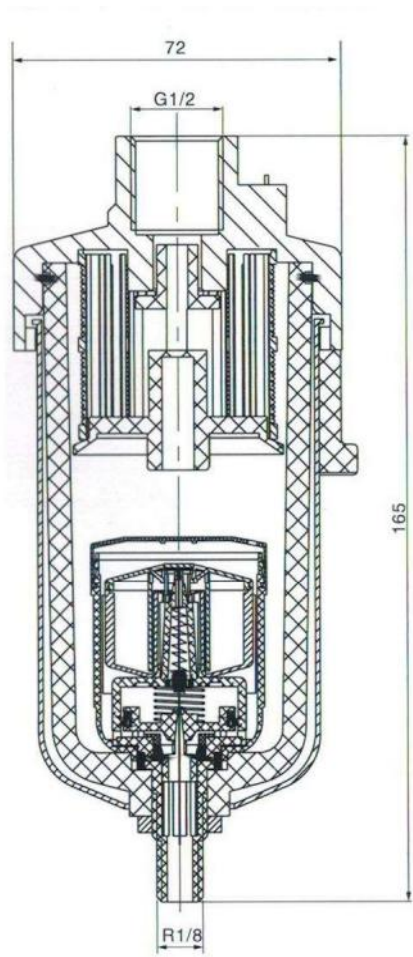
SAD402	-	X	-	02
↑		↑		↑
Model		Type		Port size
End Autodrain		X type		02: G1/4
				03: G3/8
				04: G1/2

- 1) This product is often used to the lower places of auto-drain piping, frozen type air drying machine, oil separator, air drying tanks and the bottom of various air filters.
- 2) It can be installed in the places inconvenient for manual dis-charge of sewage. Such as higher, lower and narrow places, especially there's large consumption of air of frequent water drains.
- 3) It can prevent the compressed air being re-polluted by condense water resulting from neglect of manual drain.

2) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

Model	AD402-X-02	AD402-X-03	AD402-X-04
Applicable medium	Compressed Air		
Working pressure range	0.2~0.8 MPa		
Proof pressure	1.5MPa		
Working Temperature range	5℃~60℃		
Port size	G1/4	G3/8	G1/2
Bottom drain port size	1/8"PT or R1/8 Male thread		
Drain Status	Normal open type		

4. Overall and Dimension Sheet:

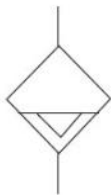


AD-5 Series End Auto Drainer

1.Ordering Code : AD-5



Graphic Symbol



2.Characteristics:

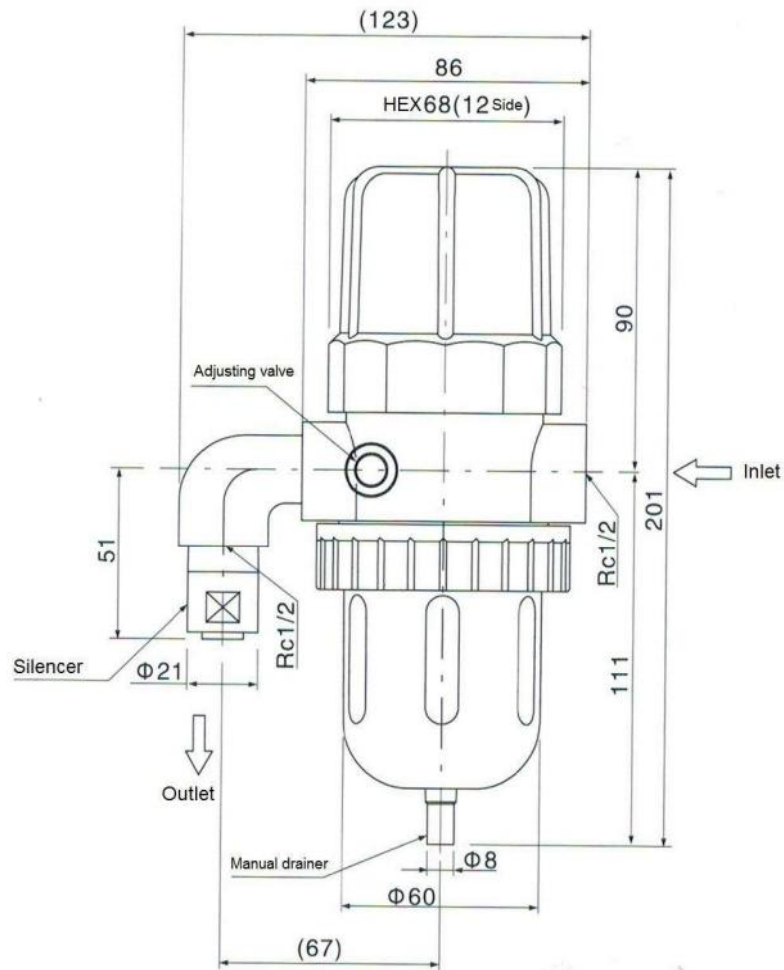
- 1) This product is often used to the lower places of auto-drain piping,frozen type air drying machine,oil separator, air drying tanks and the bottom of various air filters.
- 2) It can be installed in the pl-aces inconvent for manual dis-charge of sewage.Such as higher,lower and nrow places, especially there's large consumption of air of frequent water drains.
- 3) It can prev-ent thecompressed air being re-polluted by condonse water resul-ting from neglect of manual drain.
- 2) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

3.Specification:

Model	AD-5
Applicable medium	Compressed Air
Working pressure range	0.29~0.98 MPa
Proof pressure	1.5MPa
Working Temperature range	2°C~60°C
Inlet port size	1/2"PT or Rc1/2 Female thread
Outlet port size	1/2"PT or Rc1/2 Female thread
Drain Status	Normal open type



#### 4. Overall and Dimension Sheet:



## SAG Series Pressure Gauge



**1.Ordering Code :**

## 2.Characteristics:

- 1) This product is often used to the lower places of auto-drain piping, frozen type air drying machine, oil separator, air drying tanks and the bottom of various air filters.
- 2) It can be installed in the places inconvenient for manual discharge of sewage. Such as higher, lower and narrow places, especially there's large consumption of air of frequent water drains.
- 3) It can prevent the compressed air being re-polluted by condense water resulting from neglect of manual drain.
- 2) Different thread type can be offered according to customers' requirements, e.g.: PT, NPT etc.

### 3.Specification:

Model	SAG-40	SAG-50
Applicable medium	Compressed Air	
Pressure unit	Bar, Mpa, psi or kgf/cm²	
Working pressure range	0~1.0 Mpa, 0~150psi	
Working Temperature range	0°C~60°C	
Port size	1/8"PT	1/4"PT
Drain Status	Normal open type	

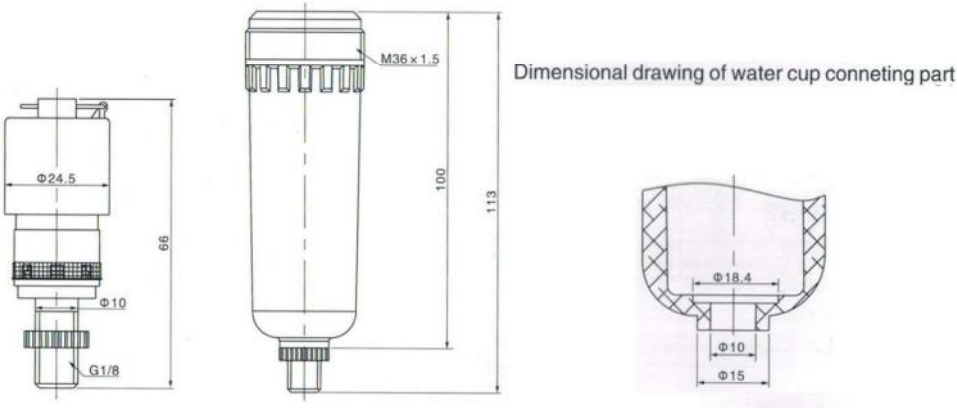
AD Series Auto Drainer

a) AD200, AD200C series:



1.Ordering Code :

AD	-	200	-	□
↑		↑		↑
Model		Size		Thread type
Auto Drainer		200		Blank: G1/8 female
		200C (with cup)		M: G1/8 male
		300		
		400		



2.Characteristics:

- 1) This product is installed at the bottom of water cups which are automatic drainers, air filters.
- 2) It can auto-discharge the condense water gathered in the water cup.
- 3) The auto-drainer should be vertically and the drain port towards down for installation.

3.Specification:

Model	AD200-M/F	AD300-M/F	AD400-M/F
Applicable medium	Compressed Air		
Working pressure range	0.2~0.8 MPa		
Proof pressure	1.2MPa		
Working Temperature range	5°C~60°C		
Bottom drain port size	G1/8 male or female		
Applicable for:	AF2000 or AW2000	AF3000 or AW3000	AF,AW4000/5000

b) AD300 series:



AD300

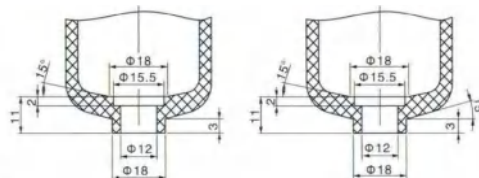
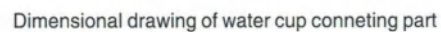


AD300-M

### High pressure regulator



AD300-M



**QTYH-15**



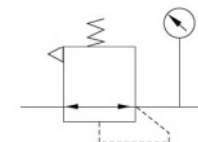
**QTYH-25L**

**1.Ordering Code :**

QTYH  
↑  
Model  
High pressure regulator

**15**  
↑  
Port size  
08: G1/4  
10: G3/8  
15: G1/2  
20: G3/4  
25: G1

L  
↑  
Thread type  
Blank: Round turn handle  
L: Lever handle for 20~25



## 2. Instructions:

- 1) QTYH series high pressure regulators can be installed in any position, but mounted as vertically as possible (handle on top or below)
- 2) The flow direction should follow arrow indicated while installing.
- 3) This high pressure regulator can be used alone. It is better install a water filter before the inlet of the valve, because the condensed water, dust or oil might block the regulator or causes more problems. If lubrication needs, the lubricator should be installed after the regulator.

### 3.Specification:

Model	QTYH-08	QTYH-10	QTYH-15	QTYH-20L	QTYH-25L
Applicable medium	Compressed Air				
Working pressure range	0.05~3.5 MPa				
Proof pressure	4.0 Mpa				
Working Temperature range	-5°C~60°C				
Port size	G1/4	G3/8	G1/2	G3/4	G1

4.Dimension:

