

Air Source Treatment Units

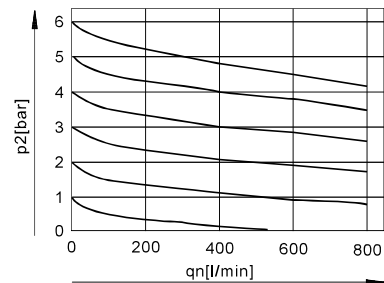
Our air source treatment units contains air filter, air regulator, lubricator, End auto drain etc.
 Body materials: Aluminum alloy
 Seal materials: NBR
 Working pressure: 0.05~1.0MPa
 Working temperature: 0~60 °C
 Applicable medium: Compressed Air



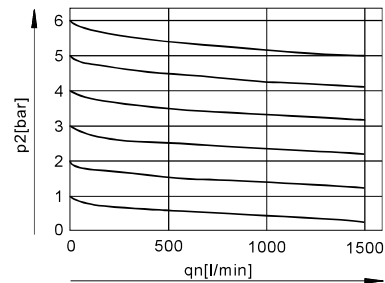
Flow rate diagram

$p_1=7\text{bar}$

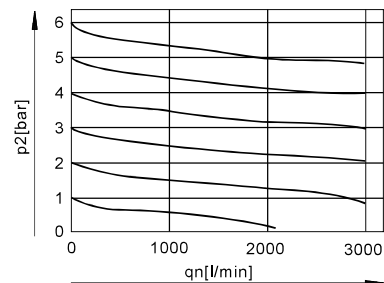
Standard flow rate q_n at output pressure $p_2=2000$



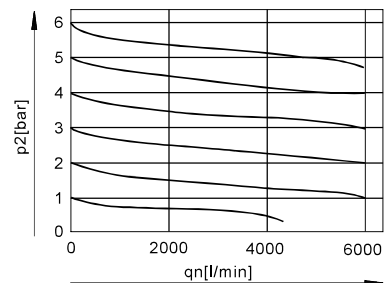
Standard flow rate q_n at output pressure $p_2=3000$



Standard flow rate q_n at output pressure $p_2=4000$



Standard flow rate q_n at output pressure $p_2=5000$



Customization can be made according to customer requirements

AC Series F.R.L Combination



Characteristics:

- 1)The AC series is consisted of AF,AR and AL, each unit can be ordered Separately.
- 2)The AC with water separate cleans the compressed air of fluid oil, condensation and dirt particles.
- 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, 1 to 12 drops/1000L of the air is sufficient.



Ordering Code

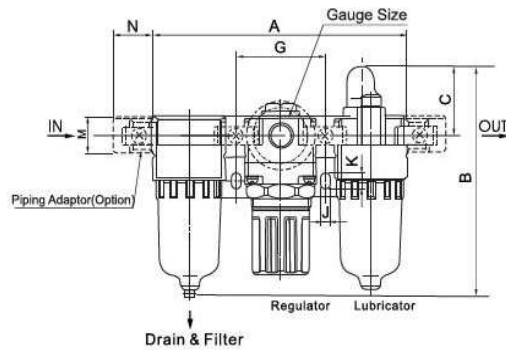
AC	-	2000	-	1/4	-	□	-	□
↑		↑		↑		↑		↑
Model		Body size		Port size		Filtration Rating		Blank: Manual
AC F.R.L Combination		2000		1/8: 1/8" NPT		Blank: 25µm copper element		D:With Autodrain
		3000		1/4: 1/4" NPT		5F: 5µm fiber element		
		4000		3/8: 3/8" NPT				
		5000		1/2: 1/2" NPT				
				3/4: 3/4" NPT				
				1: 1" NPT				

Specifications:

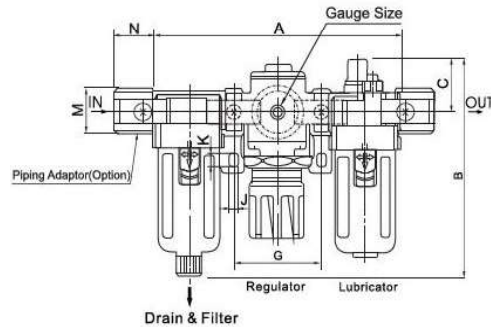
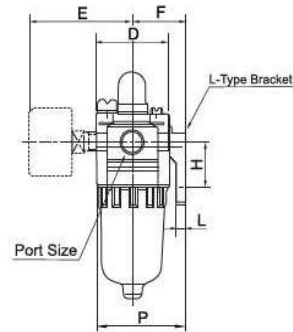
Model	AC2000-01	AC2000-02	AC3000-02	AC3000-03	AC4000-03	AC4000-04	AC4000-06	AC5000-06	AC5000-10
Port size	1/8"NPT	1/4"NPT	1/4"NPT	3/8"NPT	3/8"NPT	1/2"NPT	3/4"NPT	3/4"NPT	1"NPT
Applicable medium	Compressed Air								
Working pressure range	0.05~0.85 MPa								
Proof pressure	1.5MPa								
Temperature 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								
Container Material	Polycarbonate								
Protective cover	Not available		Available						
Drain Function	Differential drain		Differential drain or Automatic drain						

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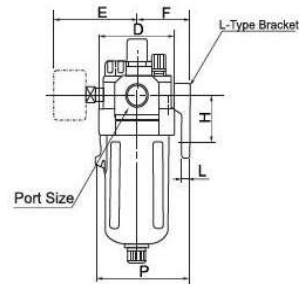
Overall Dimensions:



AC2000



AC3000~AC5000



Model	Port Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P
AC2000	1/8, 1/4"NPT	140	125	38	40	56.8	30	50	24	5.5	8.5	5	22	23	50
AC3000	1/4, 3/8"NPT	181	156.5	38	53	60.8	41	64	35	7	11	7	34.2	26	70.5
AC4000	3/8, 1/2"NPT	238	191.5	41	70	65.5	50	84	40	9	13	7	42.2	33	88
AC4000-06	3/4"NPT	253	193	40.5	70	69.5	50	89	40	9	13	7	46.2	36	88
AC5000	3/4, 1"NPT	300	271.5	48	90	75.5	69.8	105	50	12	16	10.5	55.5	40	115

Customization can be made according to customer requirements

AC Series FR.L Combination



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.
- 3)The AW 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, 1 to 12 drops/1000L of the air is sufficient.

Ordering Code

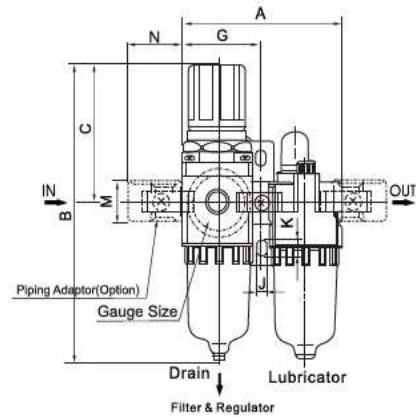
AC	-	2000	-	1/4	-	□	-	□
↑		↑		↑		↑		↑
Model		Body size		Port size		Filtration Rating		Blank: Manual
AC FR.L Combination		2000		1/8: 1/8" NPT		Blank: 25µm copper element		D:With Autodrain
		3000		1/4: 1/4" NPT		5F: 5µm fiber element		
		4000		3/8: 3/8" NPT				
		5000		1/2: 1/2" NPT				
				3/4: 3/4" NPT				
				1: 1" NPT				

Specifications:

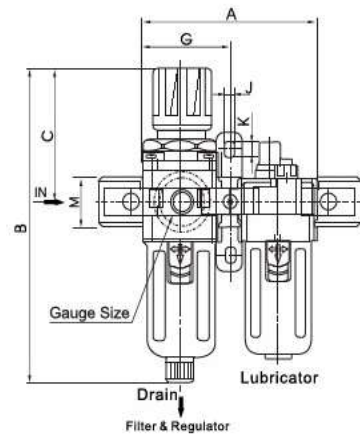
Model	AC2010-01	AC2010-02	AC3010-02	AC3010-03	AC4010-03	AC4010-04	AC4010-06	AC5010-06	AC5010-10
Port size	1/8"NPT	1/4"NPT	1/4"NPT	3/8"NPT	3/8"NPT	1/2"NPT	3/4"NPT	3/4"NPT	1"NPT
Applicable medium	Compressed Air								
Working pressure range	0.05~0.85 MPa								
Proof pressure	1.5MPa								
Temperature 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								
Container Material	Polycarbonate								
Protective cover	Not available		Available						
Drain Function	Differential drain		Differential drain or Automatic drain						

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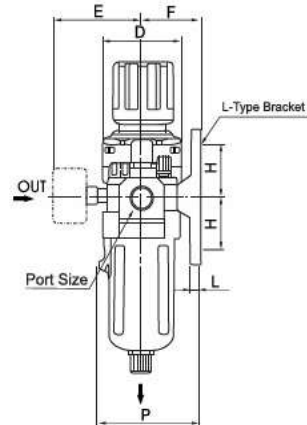
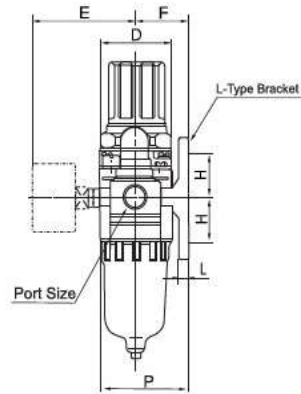
Overall Dimensions:



AC2010



AC3010~AC5010



AW Series Filter&Regulator



Characteristics:

- 1)The AW with water separate cleans the compressed air of fluid oil, condensation and dirt particles.
- 2)For special application, the standard 40µm, filter element may easily be replaced by a 5µm filter element.
- 3)The AR maintain inputting constant operating pressure despite fluctuation in line pressure&the amount of air consumed.

Ordering Code

AW	-	2000	-	1/4	-	□	-	□
↑		↑		↑		↑		↑
Model		Body size		Port size		Filtration Rating		Blank: Manual
AW Filter&Regulator		2000		1/8: 1/8" NPT		Blank: 25µm copper element		D:With Autodrain
		3000		1/4: 1/4" NPT		5F: 5µm fiber element		
		4000		3/8: 3/8" NPT				
		5000		1/2: 1/2" NPT				
				3/4: 3/4" NPT				
				1: 1" NPT				

Specifications:

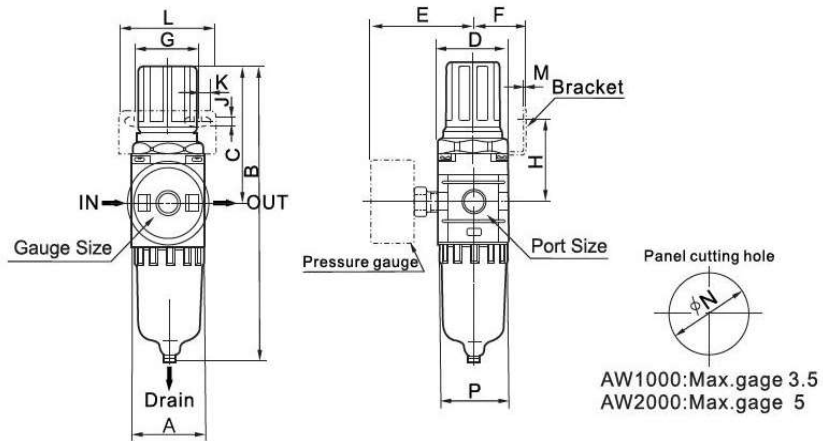
Model	AW2000-01	AW2000-02	AW3000-02	AW3000-03	AW4000-03	AW4000-04	AW4000-06	AW5000-06	AW5000-10
Port size	1/8"NPT	1/4"NPT	1/4"NPT	3/8"NPT	3/8"NPT	1/2"NPT	3/4"NPT	3/4"NPT	1"NPT
Applicable medium	Compressed Air								
Working pressure range	0.05~0.85 MPa								
Proof pressure	1.5MPa								
Temperature 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						

Model	Port Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P
AC2010	1/8,1/4"NPT	90	164.5	78	40	56.8	30	45	24	5.5	8.5	5	22	23	50
AC3010	1/4,3/8"NPT	117	211	92.5	53	60.8	41	58.5	35	7	11	7	34.2	26	70.5
AC4010	3/8,1/2"NPT	154	262	112	70	70.5	50	77	40	9	13	7	42.2	33	88
AC4010-06	3/4"NPT	164	267	114	70	70.5	50	82	40	9	13	7	46.2	36	88
AC5010	3/4,1"NPT	195	338	116	90	75.5	69.8	97.5	50	12	16	10.5	55.5	40	115

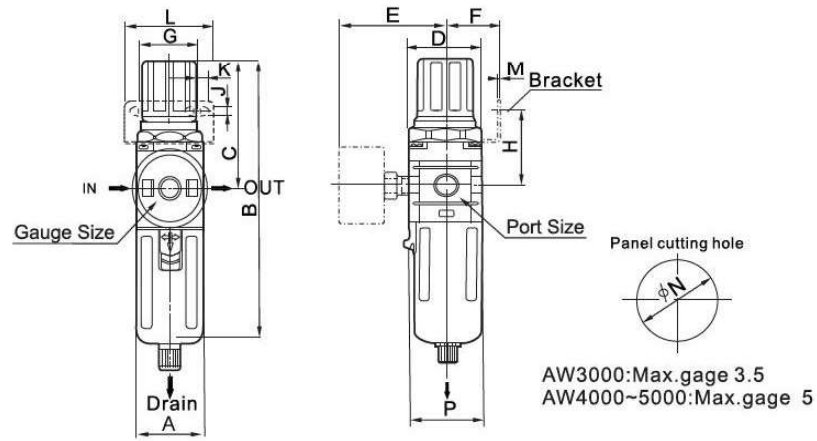
Customization can be made according to customer requirements

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Overall Dimensions:



AW2000



AW3000~AW5000

Model	Port Size	A	B	C	D	E	F	G	H	J	K	L	M	N	P
AW2000	1/8, 1/4"NPT	40	164.5	78	40	56.8	30	34	44	5.4	6.5	55	2.3	33.5	40
AW3000	1/4, 3/8"NPT	53	211	92.5	53	60.8	39	40	46	6.5	6.5	53	2.3	42.5	56
AW4000	3/8, 1/2"NPT	70	262	112	70	65.5	49.5	54	54	8.5	10.5	70	2.3	52.5	73
AW4000-06	3/4"NPT	75	267	114	70	69.5	49.5	54	55.5	8.5	10.5	70	2.3	52.5	73
AW5000	3/4, 1"NPT	90	338	116	90	75.5	49.5	54	62	8.5	10.5	70	2.3	52.5	90

AR Series Air Regulator



Characteristics:

1)The AR maintain inputting constant operating pressure despite fluctuation in line pressure&the amount of air consumed.

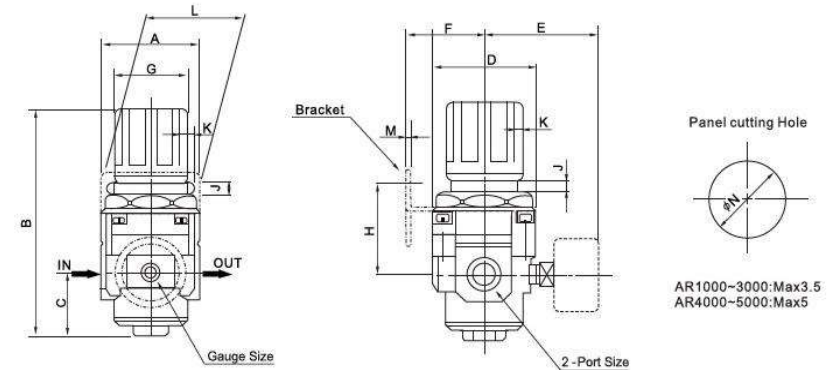
Ordering Code

AR	-	2000	-	1/4	-	□
↑ Model AR Air Regulator		↑ Body size 2000 3000 4000 5000		↑ Port size 1/8: 1/8" NPT 1/4: 1/4" NPT 3/8: 3/8" NPT 1/2: 1/2" NPT 3/4: 3/4" NPT 1: 1" NPT		↑ Blank: Manual D:With Autodrain

Specifications:

Model	AR2000-01	AR2000-02	AR3000-02	AR3000-03	AR4000-03	AR4000-04	AR4000-06	AR5000-06	AR5000-10
Port size	1/8"NPT	1/4"NPT	1/4"NPT	3/8"NPT	3/8"NPT	1/2"NPT	3/4"NPT	3/4"NPT	1"NPT
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

Overall Dimensions:



Model	Port Size	A	B	C	D	E	F	G	H	J	K	L	M	N
AR2000	1/8, 1/4"NPT	40	95	17	40	56.8	30	34	44	5.4	6.5	55	2.3	33.5
AR3000	1/4, 3/8"NPT	53	127.5	35	53	60.8	39	40	46	6.5	6.5	53	2.3	42.5
AR4000	3/8, 1/2"NPT	70	149.5	37.5	70	65.5	49.5	54	54	8.5	10.5	70	2.3	52.5
AR4000-06	3/4"NPT	75	154	40.5	70	69.5	49.5	54	55.5	8.5	10.5	70	2.3	52.5
AR5000	3/4, 1"NPT	90	168	48	90	75.5	49.5	54	62	8.5	10.5	70	2.3	52.5

Customization can be made according to customer requirements

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AF Series Air Filter



Characteristics:

- 1) The AF with water separator cleans the compressed air of fluid oil, condensation and dirt particles.
- 2) For special application, the standard 40µm filter element may easily be replaced by a 25µm or 5µm filter element.

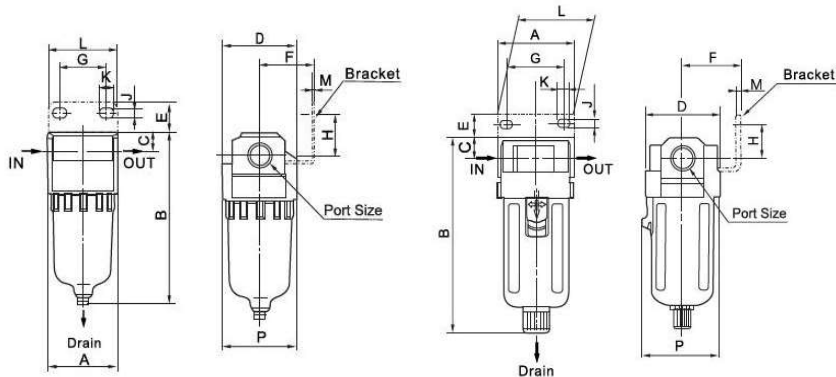
Ordering Code

AF	-	2000	-	1/4	-	□	-	□
↑		↑		↑		↑		↑
Model		Body size		Port size		Filtration Rating		Blank: Manual
AF Air Filter		2000		1/8: 1/8" NPT		Blank: 25µm copper element		D: With Autodrain
		3000		1/4: 1/4" NPT		5F: 5µm fiber element		
		4000		3/8: 3/8" NPT				
		5000		1/2: 1/2" NPT				
				3/4: 3/4" NPT				
				1: 1" NPT				

Specifications:

Model	AF2000-01	AF2000-02	AF3000-02	AF3000-03	AF4000-03	AF4000-04	AF4000-06	AF5000-06	AF5000-10
Port size	1/8"NPT	1/4"NPT	1/4"NPT	3/8"NPT	3/8"NPT	1/2"NPT	3/4"NPT	3/4"NPT	1"NPT
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	750	750	1500	1500	4000	4000	6000	7000	7000
Grade of filtration	40µm(in default),25µm,5µm								
Container Material	Polycarbonate								
Protective cover	Not available		Available						
Drain Function	Differential drain		Differential drain or Automatic drain						

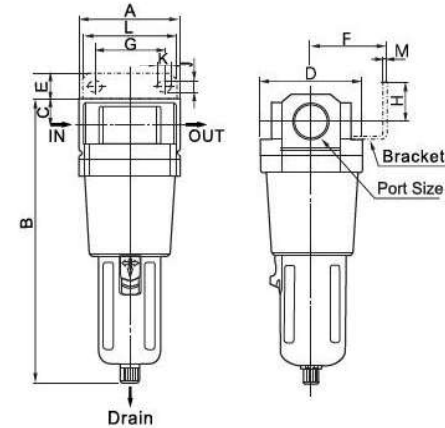
Overall Dimensions:



AF2000

AF3000~AF4000

Customization can be made according to customer requirements



AF5000

Model	Port Size	A	B	C	D	E	F	G	H	J	K	L	M	P
AF2000	1/8, 1/4"NPT	40	97.5	11	40	17	30	27	22	5.4	8.4	40	2.3	40
AF3000	1/4, 3/8"NPT	53	132.5	14	53	16	41	40	23	6.5	8	53	2.3	56
AF4000	3/8, 1/2"NPT	70	168.5	18	70	17	50	54	26	8.5	10.5	70	2.3	73
AF4000-06	3/4"NPT	75	172.5	20	70	14	50	54	25	8.5	10.5	70	2.3	73
AF5000	3/4, 1"NPT	90	247.5	24	90	23	66.5	66	35	11	13	90	2.3	90

AL Series Lubricator



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.

Ordering Code

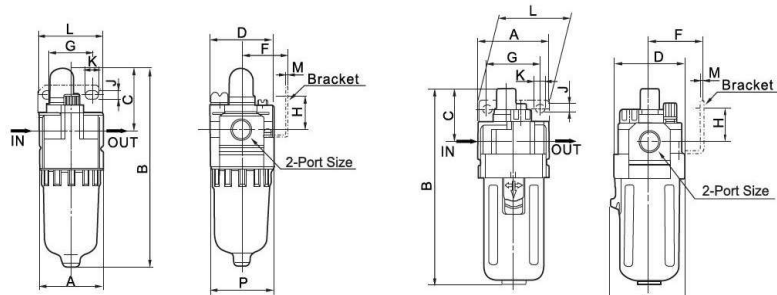
AL	-	2000	-	1/4	-	□
↑		↑		↑		↑
Model		Body size		Port size		Blank: Manual
AL Air Lubricator		2000		1/8: 1/8" NPT		D: With Autodrain
		3000		1/4: 1/4" NPT		
		4000		3/8: 3/8" NPT		
		5000		1/2: 1/2" NPT		
				3/4: 3/4" NPT		
				1: 1" NPT		

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Specifications:

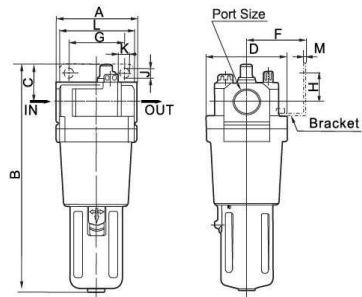
Model	AL2000-01	AL2000-02	AL3000-02	AL3000-03	AL4000-03	AL4000-04	AL4000-06	AL5000-06	AL5000-10
Port size	1/8"NPT	1/4"NPT	1/4"NPT	3/8"NPT	3/8"NPT	1/2"NPT	3/4"NPT	3/4"NPT	1"NPT
Applicable medium	Compressed Air								
Working pressure range	0~1.0 MPa								
Proof pressure	1.5MPa								
Temperature range	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						

Overall Dimensions:



AL2000

AL3000~AL4000



AL5000

Model	Port Size	A	B	C	D	F	G	H	J	K	L	M	P
AL2000	1/8, 1/4"NPT	40	122	38	40	30	27	22	5.4	8.4	40	2.3	40
AL3000	1/4, 3/8"NPT	53	142	38	53	41	40	23	6.5	8	53	2.3	56
AL4000	3/8, 1/2"NPT	70	177	41	70	50	54	26	8.5	10.5	70	2.3	73
AL4000-06	3/4"NPT	75	177	39	70	50	54	25	8.5	10.5	70	2.3	73
AL5000	3/4, 1"NPT	90	254	45	90	66.5	66	35	11	13	90	2.3	90

Customization can be made according to customer requirements

<https://pneumaticspro.ca>