

Air Source Treatment Units

Our air source treatment units contains air filter, air regulator, lubricator, End auto drain etc.

Body materials: Aluminum alloy or Zinc alloy

Seal materials: NBR

Working pressure: 0.05~1.2MPa

Working temperature: -5~70 °C

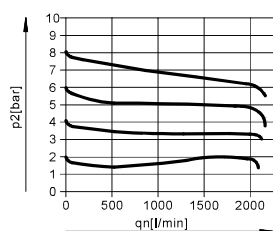
Applicable medium: Compressed Air



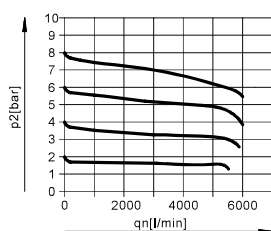
Flow Rate Diagram

p1=10bar

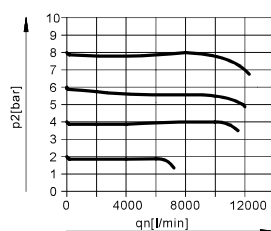
Standard flow rate (qn) at output pressure (p2) - MINI



Standard flow rate (qn) at output pressure (p2) - MIDI



Standard flow rate (qn) at output pressure (p2) - MAXI



OU Series FR.L Combination



Characteristics:

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

Ordering Code

OU	-	MINI	-	1/4	-	□	-	□
↑		↑		↑		↑		↑
Model		Body size		Port size		Filtration Rating		Blank: Manual
OU FR.L Combination		MINI		1/8: 1/8" NPT		Blank: 20µm fiber element		D: With Autodrain
		MIDI		1/4: 1/4" NPT		5P: 5µm fiber element		
		MAXI		3/8: 3/8" NPT				
				1/2: 1/2" NPT				
				3/4: 3/4" NPT				
				1: 1" NPT				

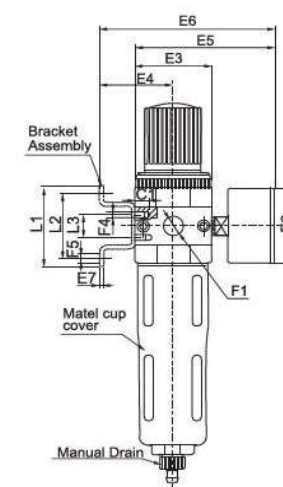
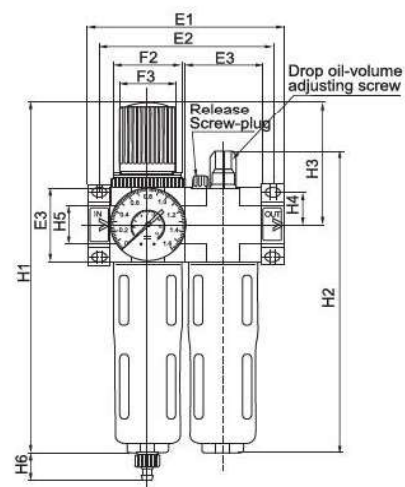
Customization can be made according to customer requirements

Specifications:



Body size	MINI		MIDI		MAXI	
Model	OU-MINI-1/8	OU-MINI-1/4	OU-MIDI-3/8	OU-MIDI-1/2	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	2000	2600	7000	8000
Nominal flow rate(5µm) L/min	600	850	1700	1800	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	1/8"NPT	1/4"NPT	3/8"NPT	1/2"NPT	3/4"NPT	1"NPT

Overall Dimensions:



Model	E1	E2	E3	E4	E5	E6	E7	F1				F2	
OU-MINI	104	92	40	39	76	95	2	1/8,1/4,3/8"NPT				M36x1.5	
OU-MIDI	140	125	55	47	93	112	2	3/8,1/2,3/4"NPT				M36x1.5	
OU-MAXI	162,182	146,157	66	53	104	124	3	3/4,1"NPT				M52x1.5	
Model	F3 φ	F4	F5 φ	F6 φ	L1	L2	L3	H1	H2	H3	H4	H5	H6
OU-MINI	31	M4	4.5	40	44	35	11	194	169	69	17.5	20	15
OU-MIDI	31	M5	5.5	52	71	60	22	250	206	80	24.5	32	15
OU-MAXI	50	M5	5.5	63	71	60	22	252	223	98	24.5	32,40	15

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OFR Series Filter&Regulator



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 may easily replaced by a 5µm filter element.
- 3)The OR maintain inputting constant operating pressure despite fluctuation in line pressure&the amount of air consumed.

Ordering Code

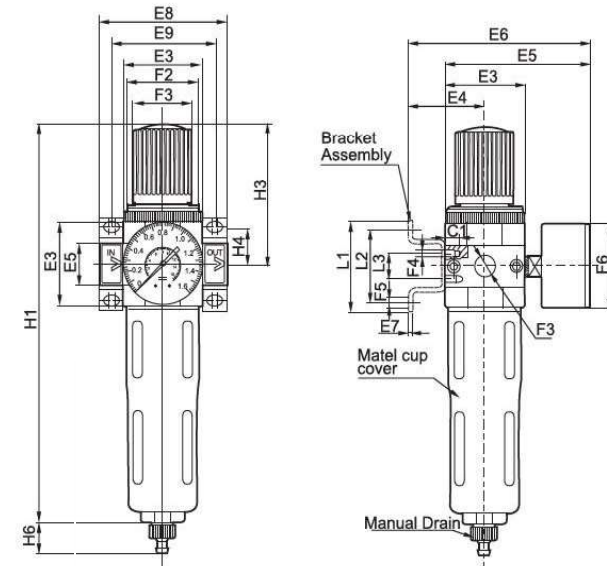
OFR	-	MINI	-	1/4	-	□	-	□
↑		↑		↑		↑		↑
Model		Body size		Port size		Filtration Rating		Blank: Manual
OFR Filter&Regulator		MINI		1/8: 1/8" NPT		Blank: 20µm fiber element		D: With Autodrain
		MIDI		1/4: 1/4" NPT		5F: 5µm fiber element		
		MAXI		3/8: 3/8" NPT				
				1/2: 1/2" NPT				
				3/4: 3/4" NPT				
				1: 1" NPT				

Specifications:

Body size	MINI		MIDI		MAXI	
Model	OFR-MINI-1/8	OFR-MINI-1/4	OFR-MIDI-3/8	OFR-MIDI-1/2	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	3100	3400	9000	10000
Nominal flow rate(5µm) L/min	650	1200	2400	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	1/8"NPT	1/4"NPT	3/8"NPT	1/2"NPT	3/4"NPT	1"NPT

Customization can be made according to customer requirements

Overall Dimensions:



Model	E3	E4	E5	E6	E8	E9	F1	F2	F3φ	F4	F5φ	F6φ	L1	L2	L3	H1	H3	H4	H5	H6
OFR-MINI	40	39	76	95	64	52	1/8,1/4"NPT	M36x1.5	31	M4	4.5	40	44	35	11	194	69	17.5	20	15
OFR-MIDI	55	47	93	112	85	70	3/8,1/2"NPT	M36x1.5	31	M5	5.5	52	71	60	22	250	80	24.5	32	15
OFR-MAXI	66	53	104	124	96,116	80,91	3/4,1"NPT	M52x1.5	50	M5	5.5	63	71	60	22	252	98	24.5	32,40	15

OR Series Air Regulator

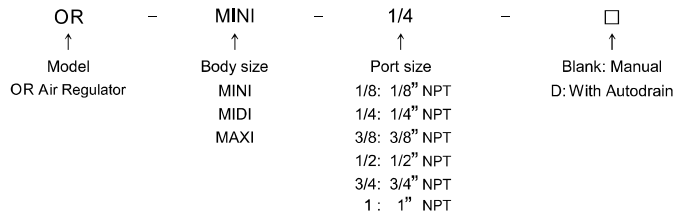


Characteristics:

- 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 may easily replaced by a 5µm filter element.
- 3)The OR maintain inputting constant operating pressure despite fluctuation in line pressure&the amount of air consumed.

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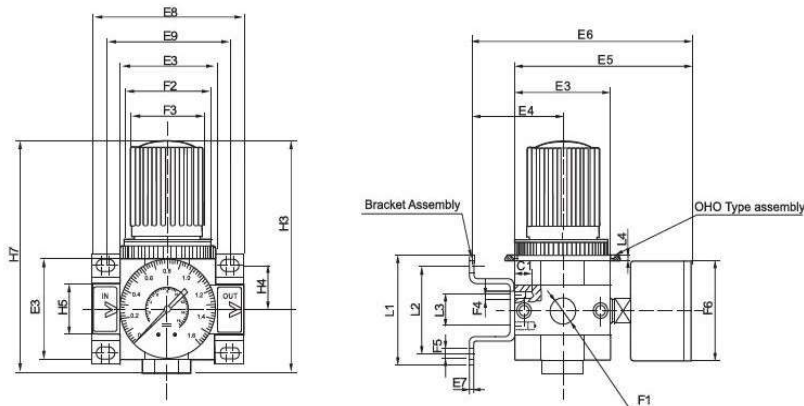
Ordering Code



Specifications:

Body size	MINI		MIDI		MAXI	
Model	OR-MINI-1/8	OR-MINI-1/4	OR-MIDI-3/8	OR-MIDI-1/2	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	3200	3500	11000	11500
Port size	1/8"NPT	1/4"NPT	3/8"NPT	1/2"NPT	3/4"NPT	1"NPT

Overall Dimensions:



Model	E3	E4	E5	E6	E8	E9	F1	F2	F3	F4	F5	F6	L1	L2	L3	L4	H3	H4	H7
OR-MINI	40	39	76	95	64	52	1/8, 1/4"NPT	M36x1.5	31	M4	4.5	40	44	35	11	Max.3	69	17.5	96
OR-MIDI	55	47	93	112	85	70	3/8, 1/2"NPT	M36x1.5	31	M5	5.5	52	71	60	22	Max.4	80	24.5	96
OR-MAXI	66	53	104	124	96, 116	80, 91	3/4, 1"NPT	M52x1.5	50	M5	5.5	63	71	60	22	Max.5	98	24.5	96

Customization can be made according to customer requirements

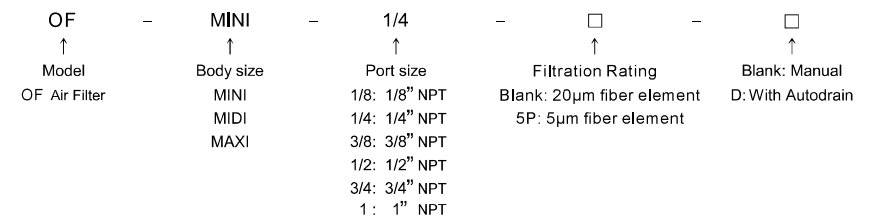
OF Series Air Filter



Characteristics:

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

Ordering Code

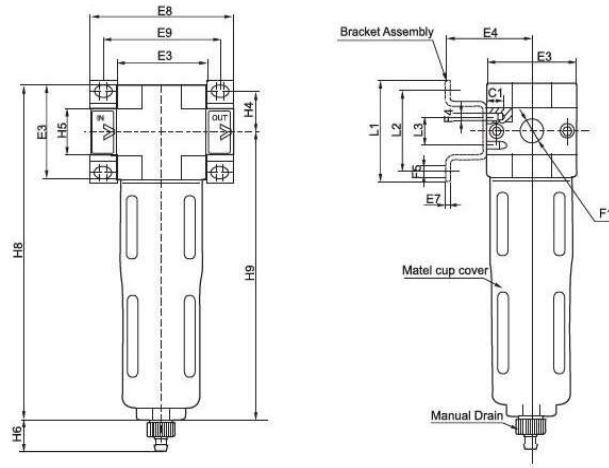


Specifications:

Body size	MINI		MIDI		MAXI	
Model	OF-MINI-1/8	OF-MINI-1/4	OF-MIDI-3/8	OF-MIDI-1/2	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	2700	3000	5000	5300
Nominal flow rate(5µm) L/min	600	950	1800	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	1/8"NPT	1/4"NPT	3/8"NPT	1/2"NPT	3/4"NPT	1"NPT

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Overall Dimensions:



Model	E3	E4	E7	E8	E9	F1	F4	F5 φ	L1	L2	L3	H4	H5	H6	H8	H9
OF-MINI	40	39	2	64	52	1/8, 1/4"NPT	M4	4.5	44	35	11	17.5	20	15	144	129
OF-MIDI	55	47	3	85	70	3/8, 1/2"NPT	M5	5.5	71	60	22	24.5	32	15	179	156
OF-MAXI	66	53	3	96, 116	80, 91	3/4, 1"NPT	M5	5.5	71	60	22	24.5	32, 40	15	203	175

OL Series Air Lubricator



Characteristics:

- 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

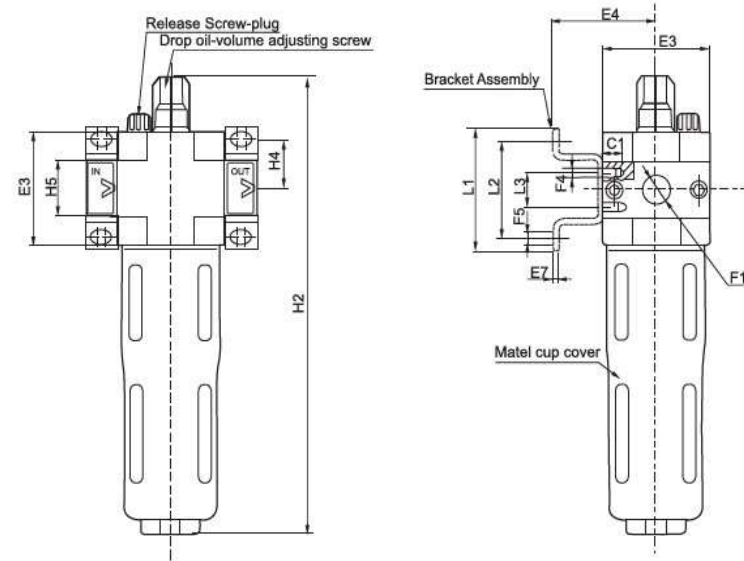
OL	-	MINI	-	1/4	-	□
↑		↑		↑		↑
Model		Body size		Port size		Blank: Manual
OL Lubricator		MINI		1/8: 1/8"NPT		D: With Autodrain
		MIDI		1/4: 1/4"NPT		
		MAXI		3/8: 3/8"NPT		
				1/2: 1/2"NPT		
				3/4: 3/4"NPT		
				1: 1"NPT		

Customization can be made according to customer requirements

Specifications:

Body size	MINI		MIDI		MAXI	
Model	OL-MINI-1/8	OL-MINI-1/4	OL-MIDI-3/8	OL-MIDI-1/2	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	5500	6100	8400	9000
Recommended oil	ISO VG32 or the same grade oil					
Capacity of condensate fluid	22ml		43ml		80ml	
Min. Standard nominal flow rate	3L/min		6L/min		10L/min	
Port size	1/8"NPT	1/4"NPT	3/8"NPT	1/2"NPT	3/4"NPT	1"NPT

Overall Dimensions:



Model	E3	E4	E7	F1	F4	F5 φ	L1	L2	L3	H4	H5
OL-MINI	40	39	2	1/8, 1/4"NPT	M4	4.5	44	35	11	17.5	20
OL-MIDI	55	47	3	3/8, 1/2"NPT	M5	5.5	71	60	22	24.5	32
OL-MAXI	66	53	3	3/4, 1"NPT	M5	5.5	71	60	22	24.5	32, 40

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