







≫Air Filter,Regulator & Lubricator

- Adjust the spring force on the diaphragm to set the appropriate regulated pressure.
- The design of the FRL allows you to refill the lubricator without ever stopping your device.
- The polycarbonate, water and oil bowl offers better resistance.
- The E/EI series FRL supports more than 9Bar and offers an extended lifecycle during use while typical FRL oilers degrade in high pressure environments.

Air Preparation Unit Attention Points



How to Use and Maintain

- 1. Before use, check the unit to see if there is some damage during the transportion, or if the joint connection is loose. If everything be ok, then start to use.
- 2. When installing ,please pay attention to the direction of airflow and keep the unit upright.
- 3. When the inlet and outlet are in reduced connection, the airflow rate will be reduced approx by 10%. If with higher rate of precision, the airflow rate will be reduced approx by 7%.
- 4. For units with bowl guards, make sure to fixed them before use.
- 5. When use the regulator or filter and regulator. Firstly, we need to adjust the hand wheel to the zero position.
 Fix the pressure gauge and plugs on the right positions and ensure no leakage.
 (positions of the pressure gauge and plug can be exchanged) Then compressed air in and adjust the air to a proper pressure.
 - (positions of the pressure gauge and plug can be exchanged). Then compressed air in and adjust the air to a proper pressure.
- 6. When using the lubricator ,we need to adjust the oil valve needle to the zero position and add oil to the oil level line first. Then adjust to a proper postion when compressed air in .Pay attention to the brand and grade of the lubricating oil. Never use spindle oil and lubricating oil containing lower ketone or aromatic hydrocabon.
- 7. When using metal tubles for connection, remember to remove the metal grains, dusts and oil stains in the tubes.
- 8. Please attention whether the working condition meet the technical details of the units.(Such as the working pressure, working temperature)
- 9. Please change the filter element when filter's function not goes well.
- 10. When remove the units from the system, pls pay attention to protect the units by the dust plug on the threads.

O How to Order

- 1. Please let us know the item No, order number, specifications and quantity when placing an order.
- 2. For orders of filter,regulator and regulator+filter etc., please specify the filter precision and pressure range.

 Otherwise,we will provide the our normal standard products to you.
- 3. For special requirements, you can contact us by e-mail, fax and so on. We can discuss together and arrange specially.

Remarks

- 1. The regulator and lubricator not with the drain type code and filter precision code.
- 2. The filter and lubricator without pressure scale unit code.
- 3. The three units and two units, without bracket code
- 4. When with type code of "C", combination quantity code "10" is for two units and "00" for three units, others all with "00".
- 5. El series without 1000 series.



EA

Air Preparation Unit



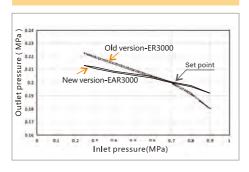
Co-moulded plastic cov



Square & Round meters options



Pressure chart

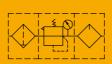


Product Features

- 1. High effeciency of solid grain and moisture elimination
- 2. The transparent plastic cover brings convenient observation, rutless and non-corrodible performance.
- Special diaphram design leads the pressure adjustment to a reliable and high precise performance.
- 4. Special drip nozzle design offers stable oil dripping and requests low flow at mist creating.
- 5. Round Meter and Square Meter are optional.
- 6. Manual Drain, Semi-auto drain, and Auto-drain are optional.



EAC3000





Specifications

Model		EAC3000-02 EAC3000-03		EAC3000-04					
Working M	edium	Clean Air(after 40 µ m filtration)							
Guaranteed F	Pressure(MPa)	1.5							
Max. Workin	g Pressure(MPa)		1.0						
Pressure Ajdu	stment Range(MPa)	0.15~0	.9,Low pressure type 0.15~	0.4					
Working Ter	nperature(℃)	-5∼60 (No freezing)							
Filter Precisi	on	40 μ m/5 μ m optional							
Recommend	led Oil	Turbine No.1 Oil ISO VG32							
Bowl Materia	al	PC(Polycarbonate)							
Water Bowl	Capacity(CC)	40							
Oil Bowl Cap	pacity(CC)	76							
Weight(g)			1245	1223					
	Filter	EAF3000-02	EAF3000-03	EAF3000-04					
Component	Regulator	EAR3000-02	EAR3000-03	EAR3000-04					
	Lubricator	EAL3000-02	EAL3000-03	EAL3000-04					

O How to Order?

Series No. —	Port Size	Drain Type Type	No. Pressu	re Gauge	Pressure Gauge Type	Scale Unit	Filter Precision -	- Thread Type
EAC3000:EA3000 series F.R.L Unit (Filter+Regulator+Lubricator)	02: 1/4" 03: 3/8" 04: 1/2"		Blank: With N: No p Standard type pressure type	ressure ga F:Sqi		gauge opti	□ 3: Psi ssure □ 4: Mpa/Psi	 Blank: G P: PT T: NPT

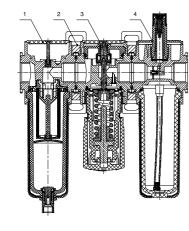
 ${\sf EA \, series \, F.R.L \, unit, \, port \, size \, of \, 1/2", \, differential \, pressure \, drain \, type, \, with \, square \, pressure \, gauge, \, and \, better \, and \, constant \, and$

Mpa, 5 μ m, G thread, it's ERP code: EAC3000–04CLF15M

Remark: ① Max pressure adjustable for low pressure type is 0.4Mpa; ② Port of round pressure gauge is M6;

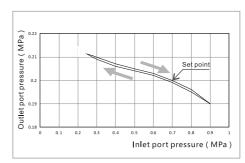
③ Square pressure gauge is single scale, round pressure gauge is double scale

Internal Structure



No.	Part Name
1	EA series filter
2	T type bracket
3	EA series regulator
-	CA carias lubricator

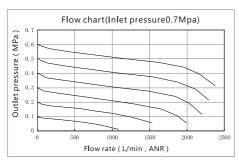
Pressure Feature



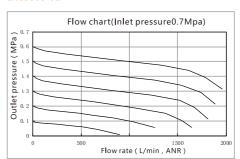


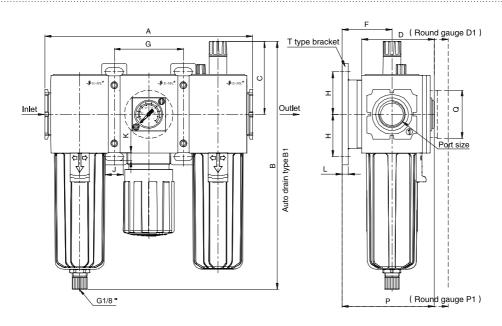


EAC3000-03/04



EAC3000-02

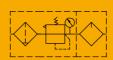




Model	Port Size	Α	В	В1	С	D	D1	F	G	Н	J	K	L	Р	P1	Q
EAC3000	1/4" 1/ <i>2</i> "	171	203.5	200.5	60	59.8	71.5	41	57	35	15	7	5	75.8	87.5	40



EAC3010





Specifications

Model		EAC3010-02	EAC3010-04					
Working Me	dium	Clean Air(after 40 µ m filtration)						
Guaranteed Pre	essure(MPa)	1.5						
Max. Working	Pressure(MPa)	1.0						
Pressure Ajdustr	ment Range(MPa)	0.15~	0.9,Low pressure type 0.15~	0.4				
Working Temp	erature(℃)	-5~60 (No freezing)						
Filter Precision	ı	40 μ m/5 μ m optional						
Recommende	d Oil	Turbine No.1 Oil ISO VG32						
Bowl Material		PC(Polycarbonate)						
Water Bowl Ca	apacity(CC	40						
Oil Bowl Capa	city(CC)	76						
Weight(g)		615	599	585				
	Filter regulator	EAW3000-02	EAW3000-03	EAW3000-04				
Component	Lubricator	EAL3000-02	EAL3000-03	EAL3000-04				

O How to Order?

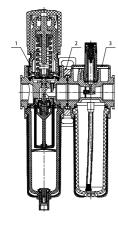
Series No. —	Port Size	Drain Type Type	No. Pressu	re Gauge Pressure Ty	e Gauge pe	Scale Unit	Filter Precision —	- Thread Type
EAC3010:EA3000 series FR.L Unit (Filter+Lubricator)	02: 1/4" 03: 3/8" 04: 1/2"			pressure gauge pressure gauge F:Square pres Y:Round pres	ssure gauge ssure gauge②	gauge opti	☐ 3: Psi	 Blank: G P: PT T: NPT

EA series FR.L unit, port size of 1/2", differential pressure drain type, with square pressure gauge, Mpa, 5 μ m, G thread, the ERP code is: EAC3010-04CLF15M

Remark: ① Max pressure adjustable for low pressure type is 0.4 Mpa; ② Port of round pressure gauge is M6;

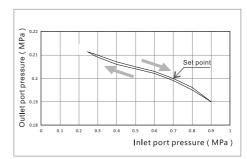
 $\ensuremath{ \Im Square pressure gauge is single scale, round pressure gauge is double scale}$

Internal Structure



No.	Part Name
1	EA series filter regulator
2	T type bracket
3	EA series lubricator

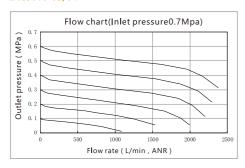
Pressure Feature



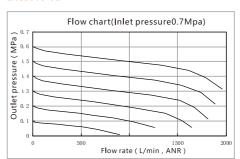


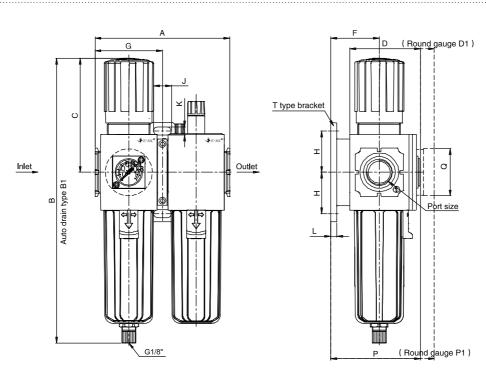


EAC3010-03/04



EAC3010-02





Model	Port Size	Α	В	B1	С	D	D1	F	G	Н	J	K	L	Р	P1	Q	
EAC3010	1/4"-1/2"	114	239.6	236.6	96.6	59.8	71.5	41	57	35	15	7	5	75.8	87.5	40	



EAW3000

Filter Regulator

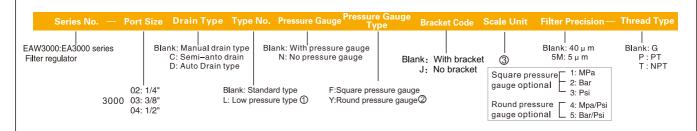




Specifications

Model	EAW3000-02	EAW3000-03	EAW3000-04			
Working Medium	Cle	ean Air(after 40 µ m filtration)				
Guaranteed Pressure(MPa)	1.5					
Max. Working Pressure(MPa)	1.0					
Pressure Ajdustment Range(MPa)	0.15~0.9,Low pressure type 0.15~0.4					
Working Temperature(℃)		-5~60 (No freezing)				
Filter Precision		40 μ m/5 μ m optional				
Recommended Oil	PC(Polycarbonate)					
Water Bowl Capacity(CC	40					
Weight(g)	490	484	477			

O How to Order?

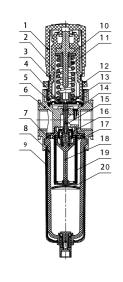


EA series FR unit, port size of 1/2", differential pressure drain type, low pressure type, with square pressure gauge, with bracket, Mpa, 5 μ m, G thread, the ERP code is: EAW3000-04CLF15M

Remark: ① Max pressure adjustable for low pressure type is 0.4Mpa; ② Port of round pressure gauge is M6;

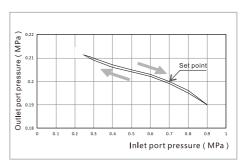
3 Square pressure gauge is single scale, round pressure gauge is double scale

Internal Structure

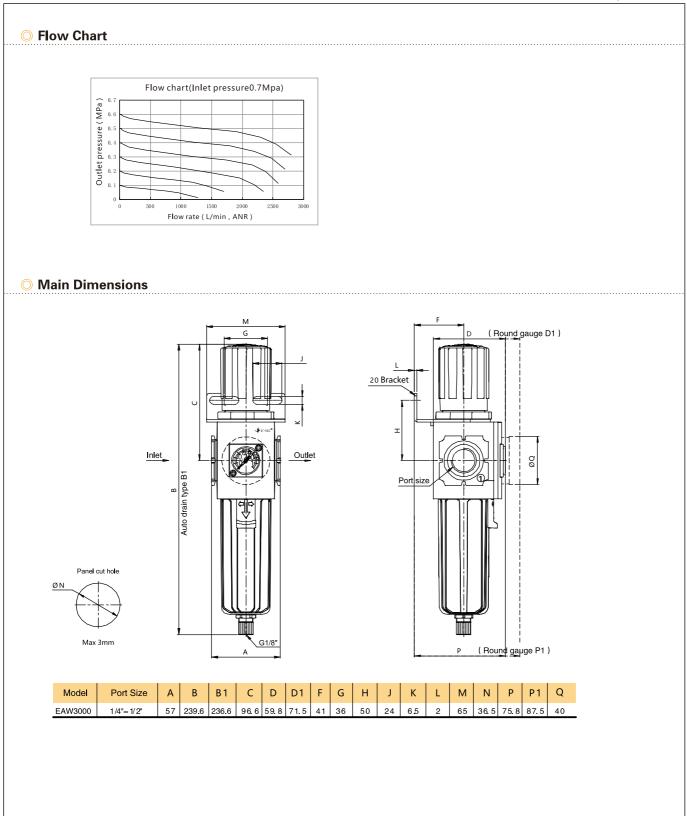


No.	Part Name	Material
1	Pressure regulating handle	PA6 with glass fiber
2	Pressure regulating valve cover	PA6 with glass fiber
3	Marking ring	POM
4	Pressure regulating spring seat	POM
5	Cover plate	ABD
6	Valve body	Aluminum alloy
7	Seal	NBR
	Water bowl	PC
9	Protection guard	PC+ABS
10	Pressure regulating screw/Screw set	Free-cutting steel
11	Spring	SWC
12	Octagonal caps	POM with glass fiber/Zinc alloy
13	Diaphragm	NBR
14	Interline	POM
15	Valve stem	Brass
16	Valve core	6061+NBR
17	Spring	SUS304
18	Water seperator propeller	POM
19	Filter element	PE
20	Water baffle	POM with glass fiber

O Pressure Feature











Filter



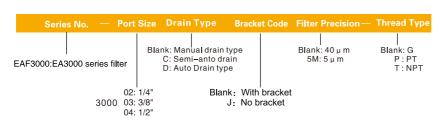


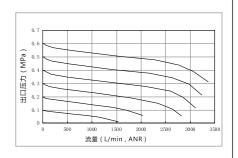
Specifications

Model	EAF3000-02	EAF3000-03	EAF3000-04			
Working Medium	Cle	ean Air(after 40 µ m filtration)				
Guaranteed Pressure(MPa)		1.5				
Max. Working Pressure(MPa)	0.15~1.0					
Working Temperature(°C)	-5~60 (No freezing)					
Filter Precision		40 μ m/5 μ m optional				
Bowl Material		PC(Polycarbonate)				
Water Bowl Capacity(CC	40					
Weight(g)	328 322 315					

O How to Order?

Flow Chart

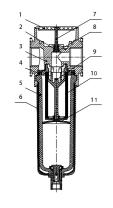




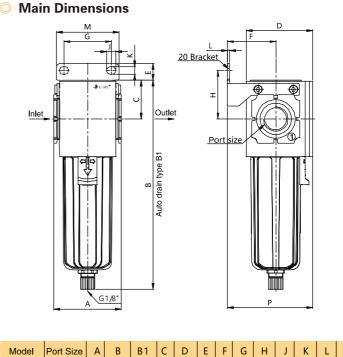
Order Example:

EA series Filter, port size of 1/2", differential pressure drain type, with bracket, filter precision 5 μ m, G thread, the ERP code is: EAF3000–04C5M

Internal Structure



No.	Part Name	Material
1	Valve seat cover	ABS
2	Seal Pillar	6061
3	Valve body	Aluminum alloy
4	Seal	NBR
5	Water bowl	PC
6	Protection Guard	PC+ABS
7	Screw	Mild steel
8	O-ring	NBR
9	Water seperator propelle	POM
10	Filter element	PE
11	Water baffle	POM with glass fiber



Model	Port Size	Α	В	В1	С	D	Ε	F	G	Н	J	K	L	М	Р
EAF3000	1/4"-1/2"	57	176 5	173.5	33	56.4	14	41	40	41	8	6.5	2	53	72.4

♣ E•MC°

EAR Series Air Preparation Unit

EAR3000







Specifications

Model	EAR3000-02	EAR3000-03	EAR3000-04				
Working Medium	Clean Air(after 40 µ m filtration)						
Guaranteed Pressure(MPa)	1.5						
Max. Working Pressure(MPa)	1.0						
Pressure Ajdustment Range(Mpa)	0.15~0.9,Low pressure type 0.15~0.4						
Working Temperature(℃)	-5~60 (No freezing)						
Weight(g)	393	387	380				

O How to Order?

Series No. — Port Size	Type No. Pressure	Gauge Pressure Gauge Type	Bracket Code	Scale Unit — Thread Type
EAR3000:EA3000 series Regulator	Blank: With pr N: No pres	essure gauge B	lank: With bracket J: No bracket	
	Blank: Standard type L: Low pressure type①	F:Square pressure gaug Y:Round pressure gaug		Square pressure 2: Bar 3: Psi 3: Psi 4: Mpa/Psi gauge optional 5: Bar/Psi

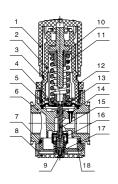
Order Example:

EA series Regulator, port size of 1/2", low pressure type, with square pressure gauge, with bracket, Mpa, G thread, the ERP code is: EAF3000-04LF1

 $Remark: @Max\ pressure\ adjustable\ for\ low\ pressure\ type\ is\ 0.4 Mpa; @Port\ of\ round\ pressure\ gauge\ is\ M6;$

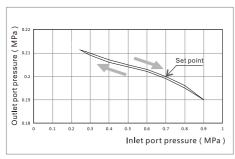
3 Square pressure gauge is single scale, round pressure gauge is double scale

O Internal Structure

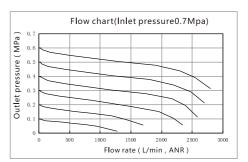


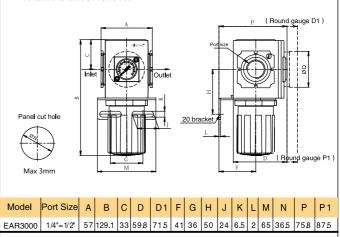
No.	Part Name	Material
1	Pressure regulating handle	PA6 with glass fiber
2	Pressure regulating valve cover	PA6 with glass fiber
3	Marking ring	POM
4	Pressure regulating spring seat	POM
5	Cover plate	ABS
6	Valve body	Aluminum alloy
7	Seal	NBR
8	Valve seat cover	ABS
9	Screw	Mild steel
10	Pressure regulating screw/ Screw set	Free-cutting steel
11	Spring	SWC
12	Octagonal caps	POM with glass fiber/Zinc allo
13	Diaphragm	NBR
14	Interline	POM
15	Valve stem	Brass
16	Valve core	6061#NBR
17	Spring	SUS304
18	Pressure regulating valve seat	POM with glass fib

Pressure Feature



O Flow Chart







EAL3000



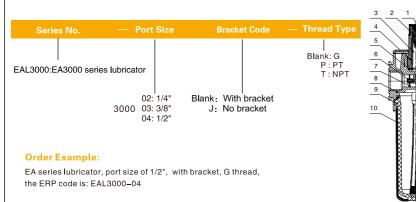


Specifications

Model	EAL3000-02	EAL3000-03	EAL3000-04			
Working Medium	Clean Air(after 40 µ m filtration)					
Guaranteed Pressure(MPa)	1.5					
Max. Working Pressure(MPa)	0.05~1.0					
Working Temperature(℃)	-5~60 (No freezing)					
Recommended Oil		Turbine No.1 Oil ISO VG32				
Bowl Material	PC(Polycarbonate)					
Oil Bowl Capacity(CC)	76					
Weight(g)	296 287 279					

O How to Order?

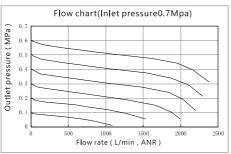
Internal Structure



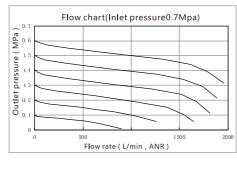
No.	Part Name	Material
1	Adjusting screw cap	POM
2	Oil flow adjusting unit	Brass
3	Oil dripping tube	PC
4	Oil window	PC
5	Seal	NBR
6	Bolt brass	Brass
7	Baffle	NBR
8	Valve body	Aluminum alloy
9	Water bowl	PC
10	Protection guard	PC+ABS
11	Lubricator cover plate	ABS
12	Sealing	NBR
13	Pipe	PU
14	Filter element	Brass

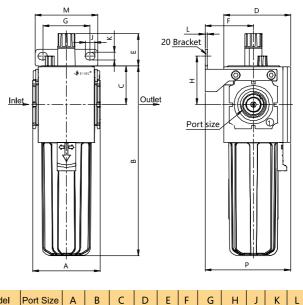
Flow Chart

EAL3000-03/04



EAL3000-02





Model	Port Size	Α	В	С	D	Е	F	G	Н	J	K	L	М	Р
EAL 3000	1/4" 1/2"	57	188	33	56.4	27	41	40	41	8	6.5	2	53	72.4

EA Series Air Preparation Unit-Accessories



EA Series Air Preparation Unit- Accessories

O How to Order?

Square pressure gauge

Series	No.	Pressui	e Range	Scale	Unit
EAC-FB: E special squa	EA series are pressure gauges		.0 Mpa 0 Bar 50 Psi	1 : N 2 : F 3 : F	Bar

Order Example:

EA series special square pressure gauge, pressure range: 0~1.0Mpa, scale:Mpa, the ERP code is EAC-FB0101

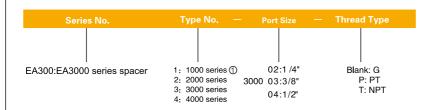
Round pressure gauge



Order Example:

EA series special round pressure gauge, diameter is 40mm, pressure range:0-1.0Mpa/0-150psi, scale is Mpa/Psi, black metal shell, brass fitting, port size is M6, the ERP code is EAC-EYZ4001041B-M6

Spacer



Product Features

- Mount between filter regulator/regulator and lubricator of EA series, to branch air supply line;
- Could be used with T type bracket or used seperatedly

Order Example:

EA series spacer, 2 way,port size of 1/4", G thread, the ERP code is: EA3002-02

Note: ① It means bypass port qty, not including inlet/outlet port; If use spacer together with EAC series F.R.L or FR.L, should mount together with T type bracket.

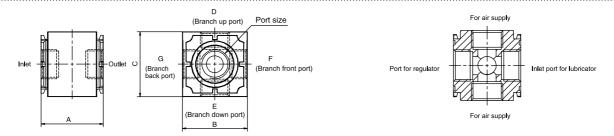
Specifications

Model	EA300□-02	EA300□-03	EA300□-04				
Working Medium	Clean Air(after 40 µ m filtration)						
Guaranteed Pressure(MPa)	1.5						
Max. Working Pressure(MPa)	1.0						
Weight(g)	200	190	180				

EA Series Air Preparation Unit – Accessories 🎺 E·MC°



Internal Structure



Dimensions and Ports

Model	Port size	Α	В	С	D	E	F	G
EA3001					Through hole	Blind hole	Blind hole	Blind hole
EA3002	1/4"-1/2"	44	46	46	Through hole	Through hole	Blind hole	Blind hole
EA3003	1/4 -1/2	''	10	10	Through hole	Through hole	Through hole	Blind hole
EA3004					Through hole	Through hole	Through hole	Through hole

Mounting Accessories

Model	Code	Dimensions	Applicable product	specifications
T-type bracket	EAC30T-P01		EAC3000	EAC3010
20-type bracket	EAC320-P01		EAW3000	EAR3000
40-type bracket	EAC340-P01	0 0	EAF3000	EAL3000

Accessories Application Example

