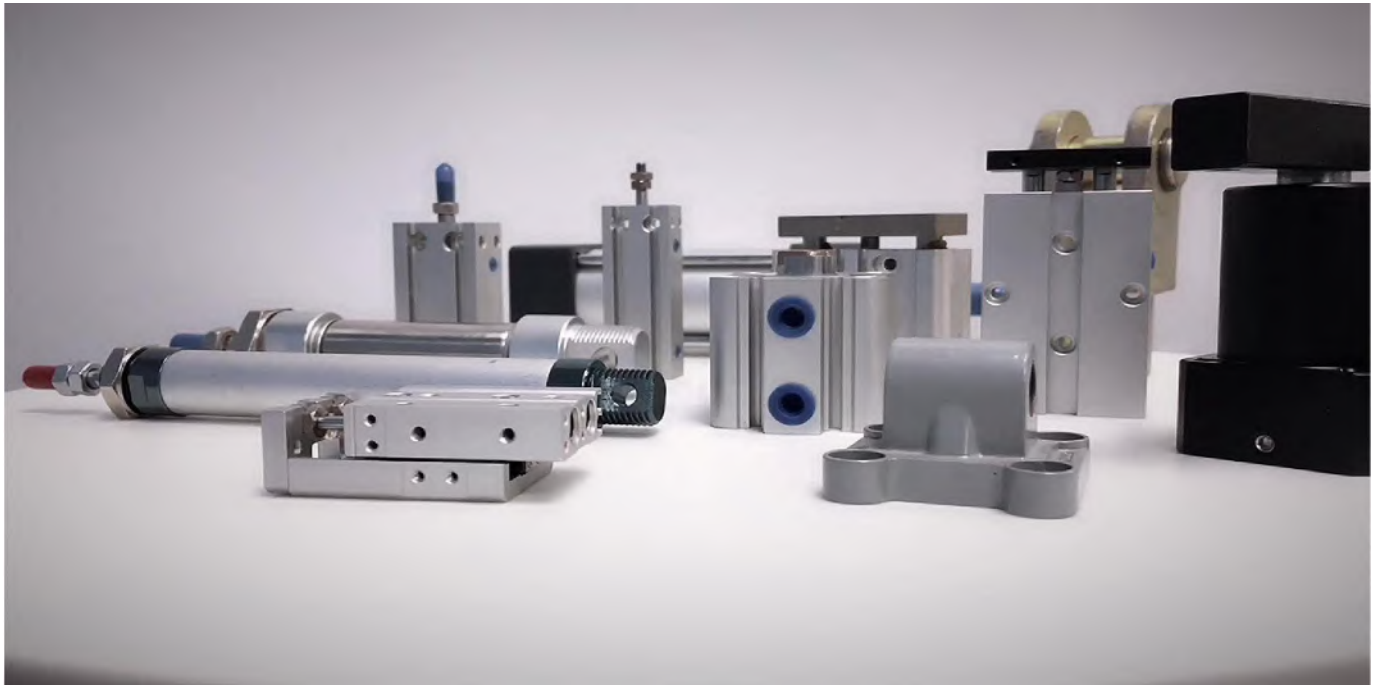


Air Treatment Unit



Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47 Казахстан (772)734-952-31 Россия (495)268-04-70

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EA

Air Preparation Unit



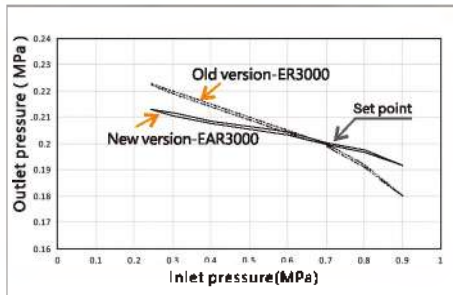
Co-moulded plastic cov



Square & Round meters options



Pressure chart



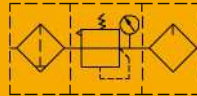
Product Features

1. High efficiency of solid grain and moisture elimination
2. The transparent plastic cover brings convenient observation, rustless and non-corrodible performance.
3. Special diaphragm 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.

EA Series Air Preparation Unit

EAC3000

F.R.L Unit



Specifications

Model	EAC3000-02	EAC3000-03	EAC3000-04	
Working Medium	Clean Air(after 40 μm filtration)			
Guaranteed Pressure(MPa)	1.5			
Max. Working Pressure(MPa)	1.0			
Pressure Adjustment Range(MPa)	0.15-0.9, Low pressure type 0.15-0.4			
Working Temperature(°C)	-5-80 [No freezing]			
Filter Precision	40 μm/5 μm optional			
Recommended Oil	Turbine No.1 Oil ISO VG32			
Bowl Material	PC(Polycarbonate)			
Water Bowl Capacity(CC)	40			
Oil Bowl Capacity(CC)	76			
Weight(g)	1245		1229	
Component	Filter	EAF3000-02	EAF3000-03	EAF3000-04
	Regulator	EAR3000-02	EAR3000-03	EAR3000-04
	Lubricator	EAL3000-02	EAL3000-03	EAL3000-04

How to Order?

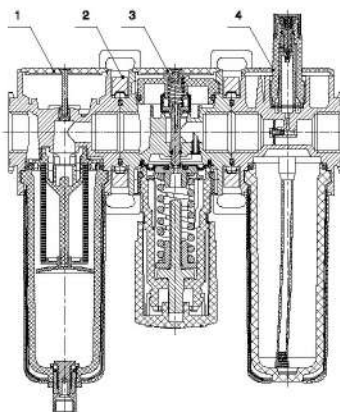
Series No.	Part Size	Drain Type	Type No.	Pressure Gauge	Pressure Gauge Type	Scale Unit	Filter Precision	Thread Type
EAC3000/EA3000 series F.R.L Unit (Filter+Regulator+Lubricator)	02: 1/4" 03: 3/8" 04: 1/2"	Blank: Manual drain type C: Semi-auto drain D: Auto Drain type	Blank: Standard type L: Low pressure type①	Blank: With pressure gauge N: No pressure gauge	F: Square pressure gauge Y: Round pressure gauge②	③ Square pressure gauge optional Round pressure gauge optional	Blank: 40 μm 5M: 5 μm	Blank: G P: PT T: NPT
						1: MPa 2: Bar 3: Psi 4: Mpa/Psi 5: Bar/Psi		

Order Example:

EA series F.R.L unit, port size of 1/2", differential pressure drain type, with square pressure gauge, Mpa, 5 μm, G thread, it's ERP code: EAC3000-04CLF15M

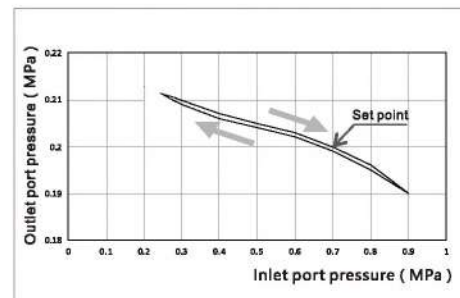
Remark:①Max pressure adjustable for low pressure type is 0.4Mpa;②Port of round pressure gauge is M6;
③ Square pressure gauge is single scale, round pressure gauge is double scale

Internal Structure



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

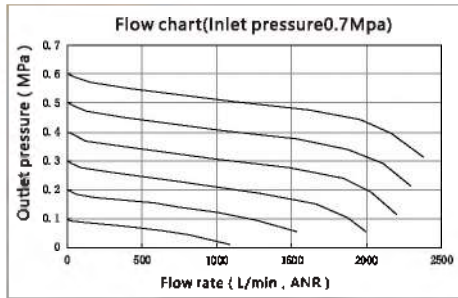
Pressure Feature



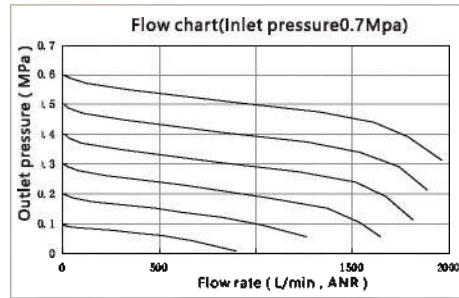
EA Series Air Preparation Unit

Flow Chart

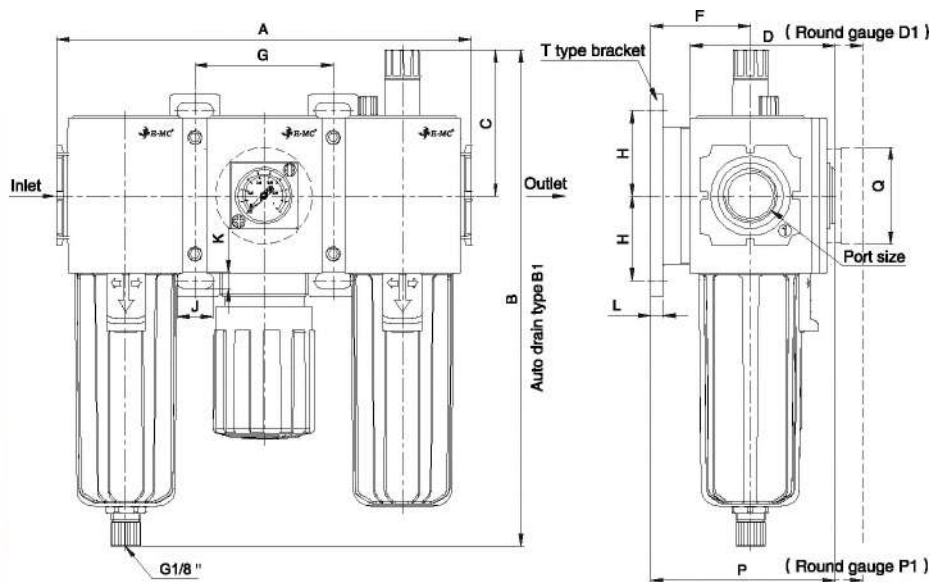
EAC3000-03/04



EAC3000-02



Main Dimensions



Model	Port Size	A	B	B1	C	D	D1	F	G	H	J	K	L	P	P1	Q
EAC3000	1/4"-1/2"	171	203.5	200.5	60	59.8	71.5	41	57	35	15	7	5	75.8	87.5	40

EA Series Air Preparation Unit

EAC3010

FR.L Unit



Specifications

Model	EAC3010-02	EAC3010-03	EAC3010-04	
Working Medium	Clean Air(after 40 μm filtration)			
Guaranteed Pressure(MPa)	1.5			
Max. Working Pressure(MPa)	1.0			
Pressure Adjustment Range(MPa)	0.15-0.9, Low pressure type 0.15-0.4			
Working Temperature(°C)	-5-60 (No freezing)			
Filter Precision	40 μm/5 μm optional			
Recommended Oil	Turbine No.1 Oil ISO VG32			
Bowl Material	PC(Polycarbonate)			
Water Bowl Capacity(CC)	40			
Oil Bowl Capacity(CC)	76			
Weight(g)	815	589	585	
Component	Filter regulator	EAW3000-02	EAW3000-03	EAW3000-04
	Lubricator	EAL3000-02	EAL3000-03	EAL3000-04

How to Order?

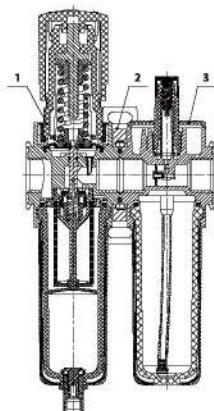
Series No.	Part Size	Drain Type	Type No.	Pressure Gauge	Pressure Gauge Type	Scale Unit	Filter Precision	Thread Type
EAC3010:EA3000 series FR.L Unit (Filter+Lubricator)	3000 02: 1/4" 03: 3/8" 04: 1/2"	Blank: Manual drain type C: Semi-auto drain D: Auto Drain type	Blank: Standard type L: Low pressure type①	Blank: With pressure gauge N: No pressure gauge	F: Square pressure gauge Y: Round pressure gauge②	③ Square pressure gauge optional Round pressure gauge optional	Blank: 40 μm 5M: 5 μm	Blank: G P: PT T: NPT
						1: MPa 2: Bar 3: Psi 4: Mpa/Psi 5: Bar/Psi		

Order Example:

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

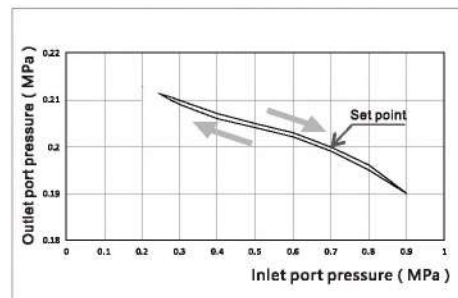
Remark:①Max pressure adjustable for low pressure type is 0.4Mpa;②Port of round pressure gauge is M6;
③ Square pressure gauge is single scale, round pressure gauge is double scale

Internal Structure



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

Pressure Feature



EAW Series Air Preparation Unit

EAW3000 Filter Regulator



Specifications

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

How to Order?

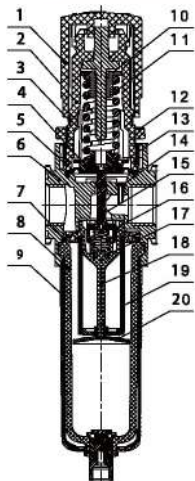
Series No.	Port Size	Drain Type	Type No.	Pressure Gauge	Pressure Gauge Type	Bracket Code	Scale Unit	Filter Precision	Thread Type
EAW3000:EA3000 series Filter regulator	Blank: 1/4" 3000 02: 1/4" 03: 3/8" 04: 1/2"	Blank: Manual drain type C: Semi-auto drain D: Auto Drain type	Blank: Standard type L: Low pressure type ①	Blank: With pressure gauge N: No pressure gauge	F: Square pressure gauge Y: Round pressure gauge ②	Blank: With bracket J: No bracket	③ Square pressure gauge optional Round pressure gauge optional	Blank: 40 μm 5M: 5 μm	Blank: G P: PT T: NPT
							1: MPa 2: Bar 3: Psi 4: Mpa/Psi 5: Bar/Psi		

Order Example:

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

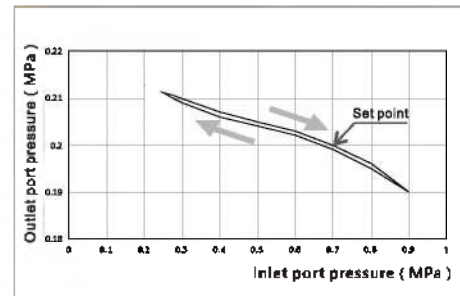
Remark: ① Max pressure adjustable for low pressure type is 0.4Mpa; ② Port of round pressure gauge is M6;
③ Square pressure gauge is single scale, round pressure gauge is double scale

Internal Structure



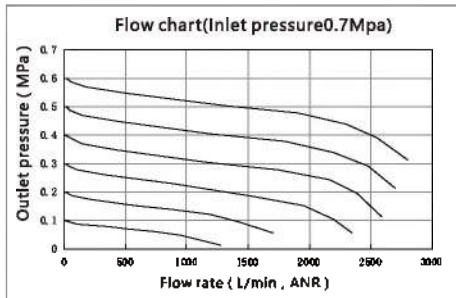
No.	Part Name	Material
1	Pressure regulating handle	PA6 with glass fiber
2	Pressure regulating valve cover	PA6 with glass fiber
3	Marking ring	POM
4	Pressure regulating spring seal	POM
5	Cover plate	ABD
6	Valve body	Aluminum alloy
7	Seal	NBR
8	Water bowl	PC
9	Protection guard	PC+ABS
10	Pressure regulating screw/seal	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 separator propeller	POM
19	Filter element	PE
20	Water baffle	POM with glass fiber

Pressure Feature

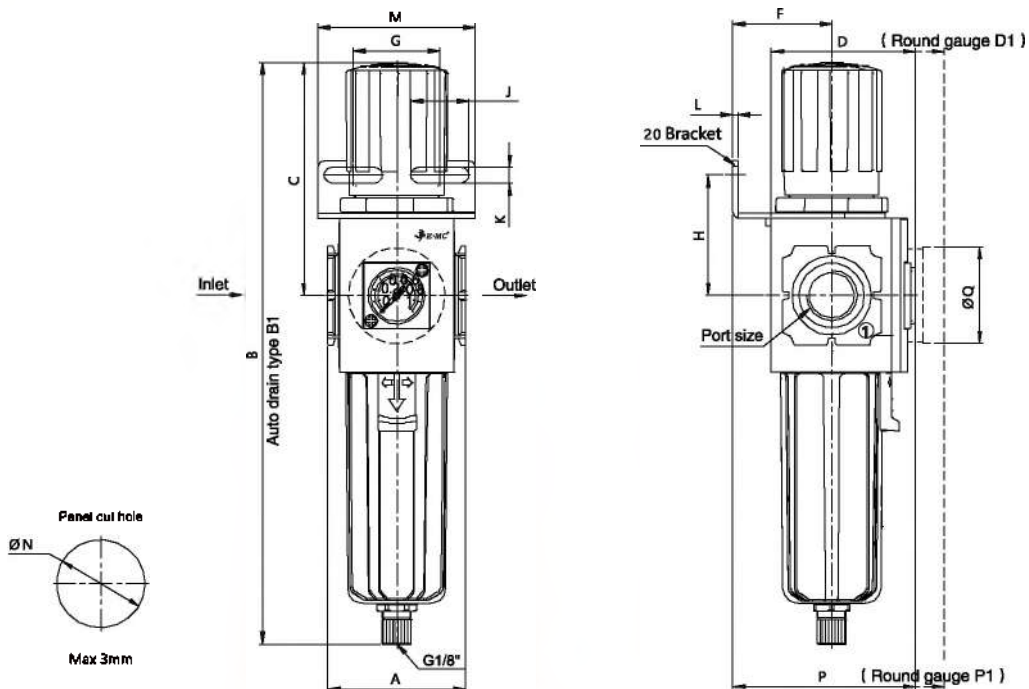


EAW Series Air Preparation Unit

Flow Chart



Main Dimensions



Model	Port Size	A	B	B1	C	D	D1	F	G	H	J	K	L	M	N	P	P1	Q
EAW3000	1/4"-1/2"	57	239.6	236.6	96.6	59.8	71.5	41	36	50	24	6.5	2	65	36.5	75.8	87.5	40

EAF Series Air Preparation Unit

EAF3000

Filter



Specifications

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

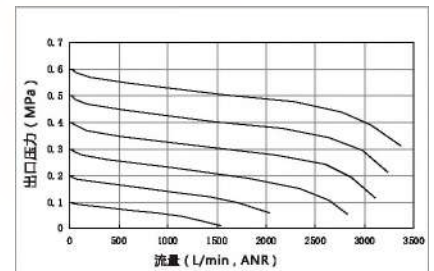
How to Order?

Series No.	Port Size	Drain Type	Bracket Code	Filter Precision	Thread Type
EAF3000:EA3000 series filter	Blank: Manual drain type C: Semi-auto drain D: Auto Drain type	Blank: 40 μm 5M: 5 μm	Blank: G P: PT T: NPT		
3000	02: 1/4" 03: 3/8" 04: 1/2"	Blank: With bracket J: No bracket			

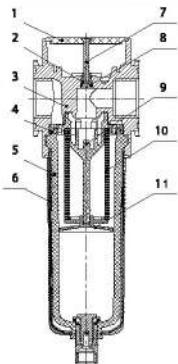
Order Example:

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

Flow Chart

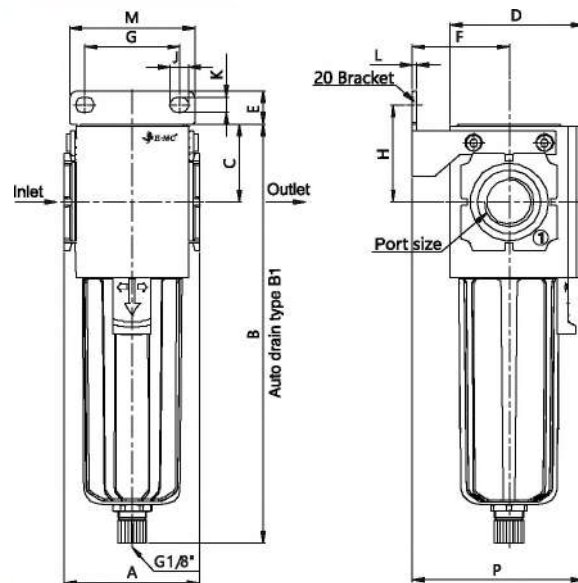


Internal Structure



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 separator propella	POM
10	Filter element	PE
11	Water baffle	POM with glass fiber

Main Dimensions



Model	Port Size	A	B	B1	C	D	E	F	G	H	J	K	L	M	P
EAF3000	1/4"-1/2"	57	178.5	173.5	33	56.4	14	41	40	41	8	6.5	2	53	72.4

EAR Series Air Preparation Unit

EAR3000 Regulator



Specifications

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

How to Order?

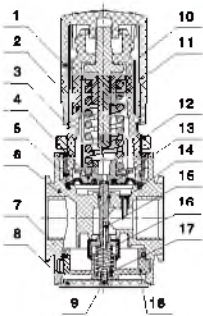
Series No.	Port Size	Type No.	Pressure Gauge	Pressure Gauge Type	Bracket Code	Scale Unit	Thread Type
EAR3000:EA3000 series Regulator			Blank: With pressure gauge N: No pressure gauge		Blank: With bracket J: No bracket		Blank: G P: PT T: NPT
3000	02: 1/4" 03: 3/8" 04: 1/2"	Blank: Standard type L: Low pressure type①	F: Square pressure gauge Y: Round pressure gauge②			③ Square pressure gauge optional: 1: MPa, 2: Bar, 3: Psi Round pressure gauge optional: 4: Mpa/Psi, 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

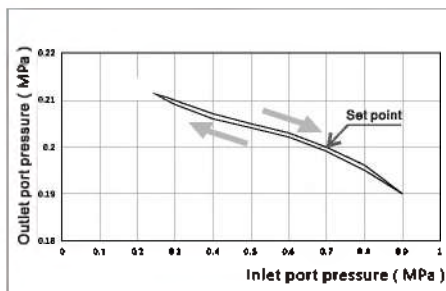
Remark:① Max pressure adjustable for low pressure type is 0.4Mpa;② Port of round pressure gauge is M6;
③ Square pressure gauge is single scale, round pressure gauge is double scale

Internal Structure

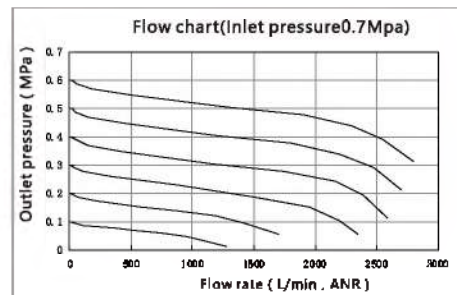


No.	Part Name	Material
1	Pressure regulating handle	PA6 with glass fiber
2	Pressure regulating valve cover	PA6 with glass fiber
3	Marking ring	POM
4	Pressure regulating spring seat	POM
5	Cover plate	ABS
6	Valve body	Aluminum alloy
7	Seal	NBR
8	Valve seat cover	ABS
9	Screw	Mild steel
10	Pressure regulating screw/ Spring seat	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	Pressure regulating valve seat	POM with glass fiber

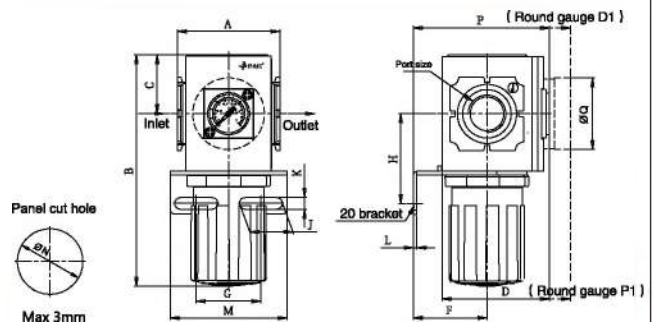
Pressure Feature



Flow Chart



Main Dimensions



Model	Port Size	A	B	C	D	D1	F	G	H	J	K	L	M	N	P	P1
EAR3000	1/4"-1/2"	57	128.1	33	59.8	71.5	41	36	50	24	6.5	2	65	36.5	75.8	87.5

4

EAF3000

EAL Series Air Preparation Unit

EAL3000

Lubricator



Specifications

Model	EAL3000-02	EAL3000-03	EAL3000-04
Working Medium	Clean Air(after 40 μm filtration)		
Guaranteed Pressure(MPa)	1.5		
Max. Working Pressure(MPa)	0.05-1.0		
Working Temperature(°C)	-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

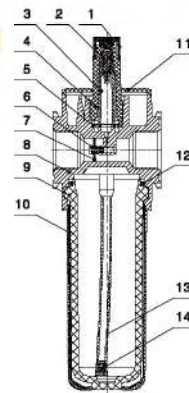
How to Order?

Series No.	Port Size	Bracket Code	Thread Type
EAL3000:EA3000 series lubricator	02: 1/4" 3000 03: 3/8" 04: 1/2"	Blank: With bracket J: No bracket	Blank: G P: PT T: NPT

Order Example:

EA series lubricator, port size of 1/2", with bracket, G thread, the ERP code is: EAL3000-04

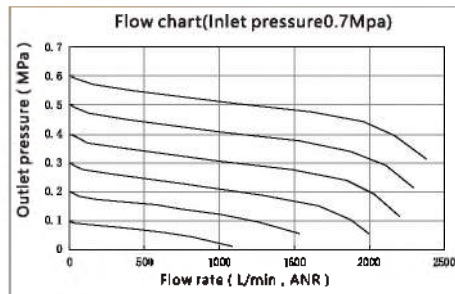
Internal Structure



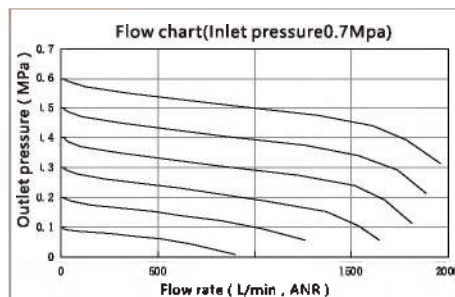
No.	Part Name	Material
1	Adjusting screw cap	POM
2	Oil flow adjusting unit	Brass
3	Oil dripping tube	PC
4	Oil window	PC
5	Seal	NBR
6	Bolt brass	Brass
7	Baffle	NBR
8	Valve body	Aluminum alloy
9	Water bowl	PC
10	Protection guard	PC+ABS
11	Lubricator cover plate	ABS
12	Sealing	NBR
13	Pipe	PU
14	Filter element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

Flow Chart

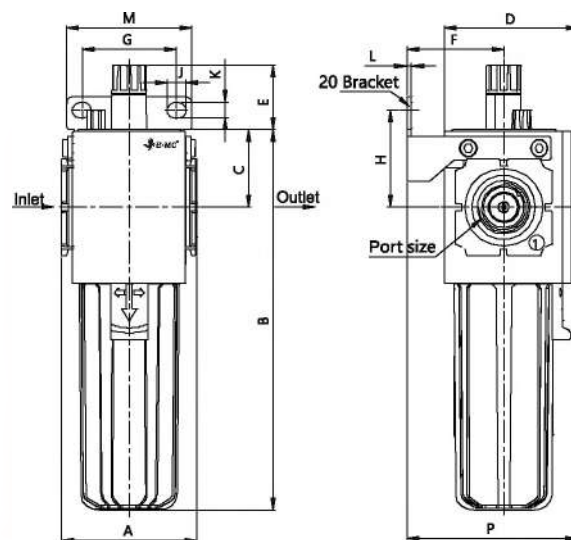
EAL3000-03/04



EAL3000-02



Main Dimensions



Model	Port Size	A	B	C	D	E	F	G	H	J	K	L	M	P
EAL 3000	1/4"-1/2"	57	188	33	564	27	41	40	41	8	6.5	2	53	724

EA Series Air Preparation Unit- Accessories

How to Order?

Square pressure gauge

Series No.	Pressure Range	Scale Unit
EAC-FB; EA series special square pressure gauges	010: 0~1.0 Mpa 0~10 Bar 0~150 Psi	1: MPa 2: Bar 3: Psi

Order Example:

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

Round pressure gauge

Series No.	Dial Diameter	Pressure Range	Scale Unit	Case Material	Case Color	Fitting Material	Port Size
EAC-EYZ; EA series special round pressure gauges	25 : 25mm (Used in the EA2000 series) 40 : 40mm (Used in the EA3000 /4000series)	010:0~1.0MPa/0~150Psi 0~10Bar/0~150Psi	4:MPa/Psi 5:Bar/Psi	1:The iron shell	B:Black	Blank:Brass	M6:M6

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

Series No.	Type No.	Port Size	Thread Type
EA300;EA3000 series spacer	1: 1000 series ① 2: 2000 series 3: 3000 series 4: 4000 series	02:1/4" 3000 03:3/8" 04:1/2"	Blank: G P: PT T: NPT

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.

Product Features

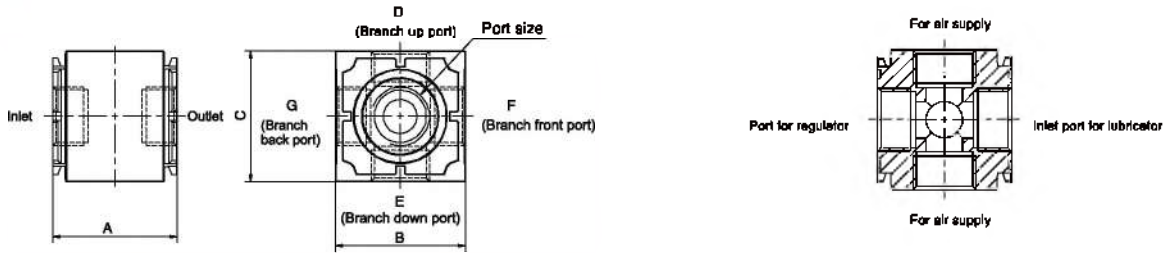
- Mount between filter regulator/regulator and lubricator of EA series, to branch air supply line;
- Could be used with T type bracket or used seperately

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

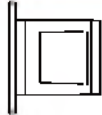
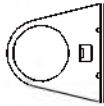
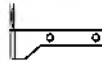
Internal Structure



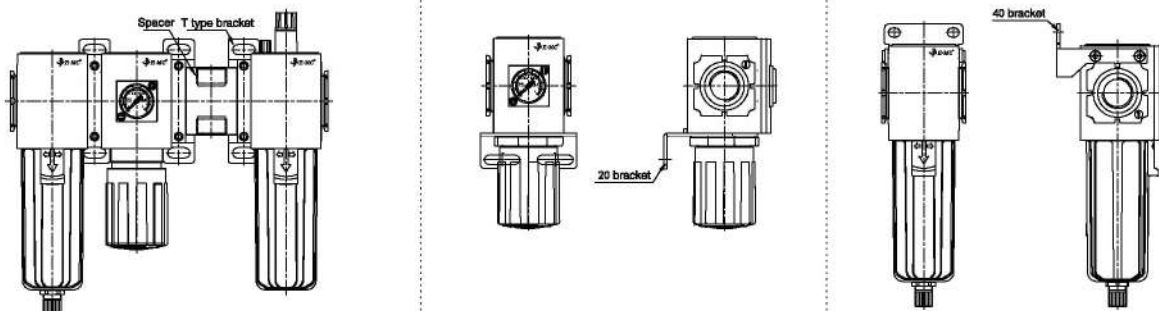
Dimensions and Ports

Model	Port size	A	B	C	D	E	F	G
EA3001	1/4"-1/2"	44	46	46	Through hole	Blind hole	Blind hole	Blind hole
EA3002					Through hole	Through hole	Blind hole	Blind hole
EA3003					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		EAF3000	EAL3000

Accessories Application Example



EPR3000 Precision Pressure Regulator

EPR3000

Precision Pressure Regulator



Product Features

- High precision , sensitive response.
- Steady output pressure.
- Large flow rate and steady flow output.
- Easy installation : Independent installation by bracket ; Bottom installation; Direct installation with existing modular air preparation.
- High pressure type, medium pressure type and low pressure type optional.

How to Order?

Series No.	Port Size	Pressure Range	Pressure Gauge Code	Bracket Code	Scale Unit	Thread Type
EPR3000	02: 1/4"	L:0.005 ~ 0.2MPa M:0.01 ~ 0.4MPa H:0.01 ~ 0.8MPa	Blank: With pressure gauge N: No pressure gauge	Blank: With bracket J: No bracket	Blank: MPa/Psi	Blank: G P: PT T:NPT

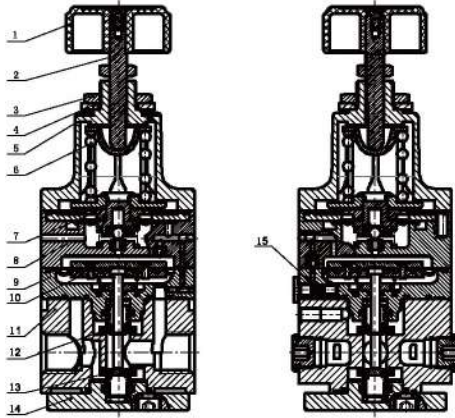
Order Example: EPR3000 high precision regulator , 1/4" port, pressure range 0.01-0.8MPa ,with gauge,with bracket,scale unit MPa/Psi ,G thread , ERP code is EPR3000-02-HJN

Specifications

Model No.	EPR3000
Working Medium	Clean air(After 40 μm filtration)
Max. supply pressure	1.0
Min. supply pressure	Setting pressure+0.05
Proof pressure	1.5
Setting pressure range	L:0.005 ~ 0.2MPa
	M:0.01 ~ 0.4MPa
	H:0.01 ~ 0.8MPa
Sensitivity	Within 0.2% of full scale value
Repeated accuracy	Within±0.5% of full scale value
Port size	1/4"
Pressure gauge port size	G1/8(2 place)
Working Temperature	-20~70 (No freezing)

EPR3000 Precision Pressure Regulator

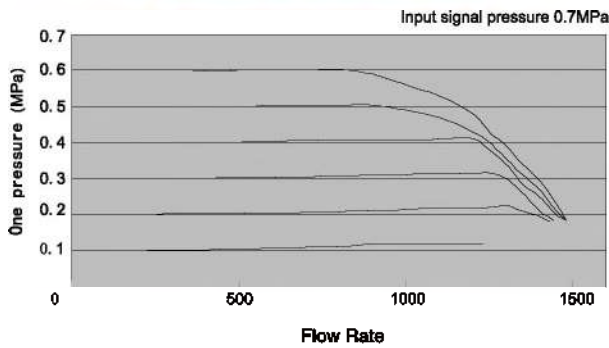
Internal Structure



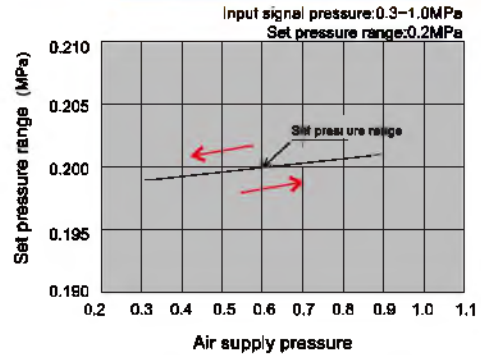
No.	Part Name	Material
1	Pilot regulate button	Plastic
2	Pilot regulate axle	Carbon steel
3	Hex nut	Free Machining Steel
4	Flat washer	SPCC
6	Pilot regulate seat	Aluminum
8	Spring	Spring steel
7	Pilot diaphragm assy	Assy
8	Nozzle	Aluminum
9	Middle valve body	Aluminum
10	Main regulate diaphragm	Assy
11	Main valve body	Aluminum
12	Exhaust valve core	Assy
13	Inlet valve core	Assy
14	Bottom cover	Aluminum
15	Filter element	High polymer material

Flow Chart

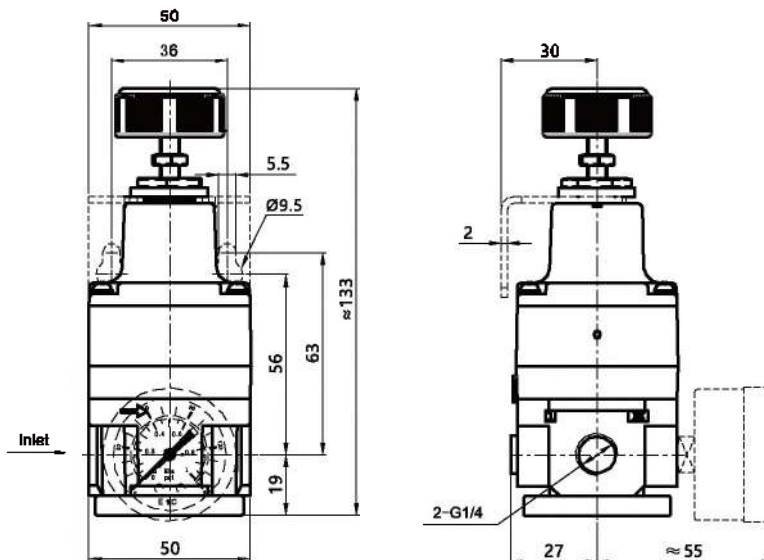
EPR3000 Flow rate characteristics



EPR3000 Pressure characteristics



Main Dimension



ETV Electro-Pneumatic Proportional Regulator

ETV

Electro-Pneumatic Proportional Regulator



Product Features

- Adopt 32-bit, special closed-loop control algorithm to realize the rapid response and precise control effectively;
- Control precision is $\leq \pm 0.5\%$;
- Adopt high-precision built-in pressure sensor to improve control precision effectively;
- Three-color digital display LCD, real-time display actual pressure and setting pressure simultaneously, convenient to confirm and adjust on site;
- Easy to change 4 pressure units (Mpa, Bar, Psi, Kpa) at any time;
- Self-diagnosis;
- Error indication;
- Individual notes when output pressure is lower;
- Independent internal pressure output signal;
- 4-pins M12A standard (male) fieldbus connector, 3 meters cable;
- Easy assembling and operating;
- The built-in filter can be easily removed for cleaning or replacement;
- The valve body made by microdiecast technology;
- Large flow rate;
- Protection class IP65;
- Pressure range: 0-0.1 MPa / 0-0.5 MPa / 0-0.9MPa;
- Common characteristic parameter curve.

How to order?

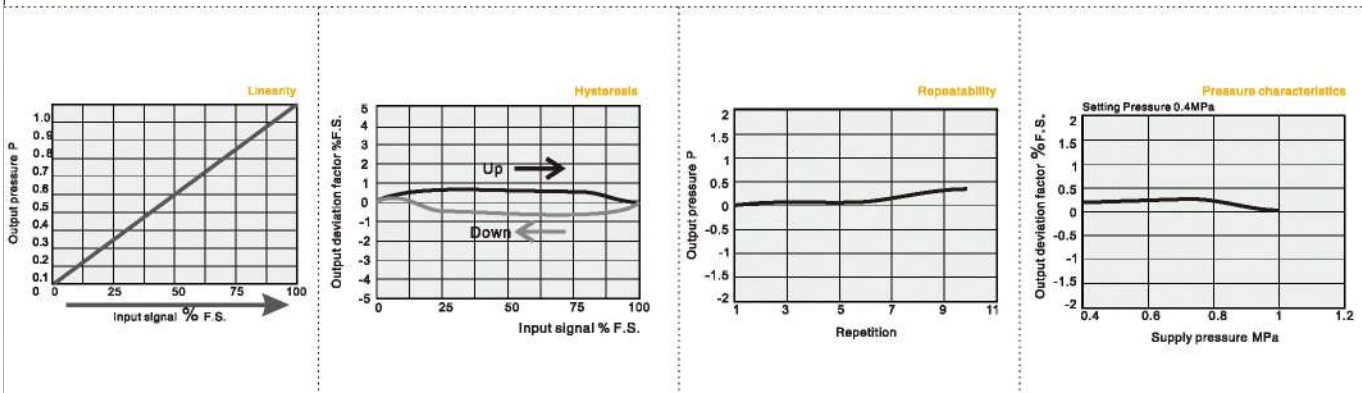
Series No.	Valve body size	Port size	Pressure range	Input signal	Monitor output	Port size	Bracket	Cable connector type
ETV	20: 20	08: 1/4" 10: 3/8"	10: 0-0.1MPa/0-1bar/0-15psi/0-100KPa 30: 0-0.5MPa/0-5bar/0-70psi/0-500KPa 50: 0-0.9MPa/0-9bar/0-130psi/0-900KPa	0: 4-20mA 1: 0-20mA 2: 0-5V 3: 0-5V 4: 4 points preset input	0: None 1: 1-5V 2: 24V PNP 3: 24V PNP 4: 4-20mA	Blank: G P: PT T: NPT	Blank: Without bracket B: Flat bracket C: L-bracket	Blank: Without cable connector L: Right angle type 3m S: Straight type 3m

Order Example: ETV series Electro-Pneumatic Proportional Regulator, valve body 20, port size 1/4", output pressure 0-0.1MPa, input signal 4-20mA, Monitor output 1-5V, port size G, Flat bracket, straight type 3m, ERP code is: ETV20-081001-BS.

Cable connector Name	Order code	Bracket Name	Order code
4-pins M12A standard Straight type 3m	M124R-PUR-3M	Flat bracket	FJ-ETV-FA
4-pins M12A standard Right angle type 3m	M124RL-PUR-3M	L-bracket	FJ-ETV-LB

Note: Normal cable connector length is 3m, any other model need to be customized production, max length 10m.

Flow Chart

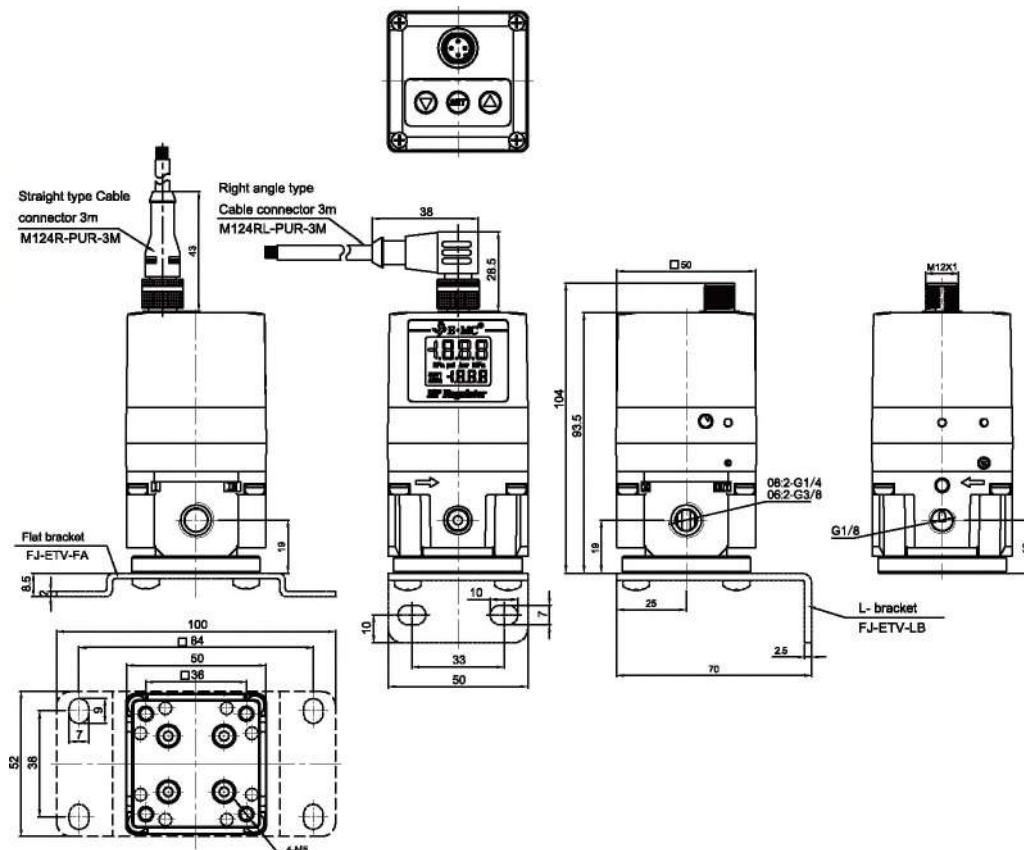


ETV Electro-Pneumatic Proportional Regulator

Specifications

Model	ETV20-08	ETV20-10
Port size	G1/4	G3/8
Flow rate characteristics	1.5	2.0
Pressure range	0-0.1/0.5/0.9MPa	
Input signal	0-5/10V or 0/4-20mA or 4points preset input	
Monitor output	4-20mA / 1-5V / 1 point switch output	
connector type	4-pins M12A standard(Male)	
Supply Voltage	DC24V ± 10%	
Power	≤ 3W	
Enclosure	IP65 (DIN40050)	
Working temperature	0-50°C	
Working medium	Clear air(After 5μ m filtration)	
LED display	Set pressure and actual pressure display at the same time	
Valve body	Aluminum alloy	
Installation position	Random direction	
Max input pressure	1.0MPa (range0-0.1MPa. Max input pressure 0.2MPa)	
Min input pressure	bigger than max output pressure by 0.1Mpa	
Accuracy	≤ ± 0.5%	
Linearity	≤ 1.0%F.S.	
Repeatability	≤ ± 0.5%F.S.	
Hysteresis	≤ 0.5%F.S.	

Main Dimension



EI Series Air Preparation Unit

How to Order?

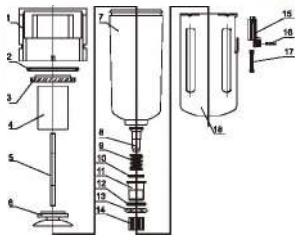
Series No.	Type Code	Body Size	Combination QTY	Port Size	Drain Type	Pressure Gauge Code	Bracket Code	Scale Unit	Filter Precision	Thread Type
EI: Square gauge series	C: Filter+regulator+lubricator W: Filter+regulator F: Filter R: Regulator L: Lubricator	20: 2000 body 30: 3000 body 40: 4000 body 50: 5000 body	10: Two units (Regulator+Lubricator) 00: Others	4000 01: 1/8" 02: 1/4" 3000 02: 1/4" 03: 3/8"	Blank: Manual drain type C: Semi-auto drain D: Auto Drain type	Blank: With pressure gauge N: No pressure gauge	Blank: With bracket J: No bracket	1: Mpa 2: Bar 3: Psi (*Need special made)	Blank: 25 μm 5M: 5 μm	Blank: G P: PT T: NPT

Order Example:

EI series regulator, 2000 body size, 1/8 port size, with pressure gauge, Mpa pressure unit, G thread, ERP code is: EIR2000-01 1

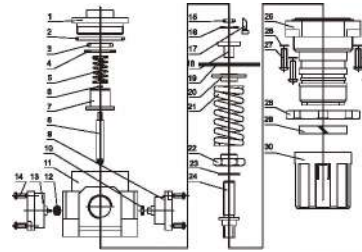
Air Preparation Unit Kits

EIF3000



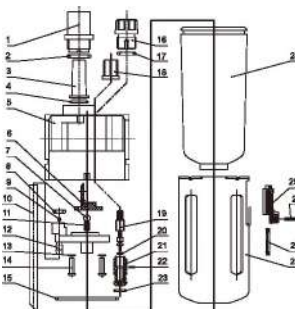
NO.	NAME	QTY	MATERIAL
16	Lock	1	ABS
17	Pin	1	ABS
14	Spring	1	Stainless steel
13	Nut	1	HP304-1
12	Housing nut	1	HP304-1
11	O-ring	1	NBR
10	Drain valve seat	1	HP304-1
9	O-ring	1	NBR
8	Spring	1	Stainless steel
7	Drain valve cover	1	HP304-1
6	Water cap	1	HP304-1
5	Drain board	1	ABS
4	Cross bar	1	Carbon steel
3	Filter body	1	ADC-12

EIR3000



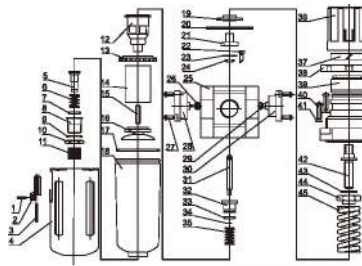
NO.	NAME	QTY	MATERIAL
33	Regulator head	1	Polycarbonate
32	Spring	1	Stainless steel
31	Blank combination	1	PCOM
30	O-ring	4	Carbon steel
29	Spring plate	4	Carbon steel
28	Regulator body	1	Aluminum
27	Regulator ball	1	Carbon steel
26	Regulator nut	1	Carbon steel
25	Spring	1	Stainless steel
24	Spring plate	1	Carbon steel
23	O-ring	1	NBR
22	Seal ring	1	Stainless steel
21	O-ring	1	NBR
20	Regulator body	1	Aluminum
19	Seal	1	NBR
18	Combination	1	ADC-12
17	Spring	1	Stainless steel
16	Spring plate	1	Carbon steel
15	O-ring	1	NBR
14	Seal ring	1	Stainless steel
13	O-ring	1	NBR
12	O-ring	1	NBR
11	Regulator body	1	Aluminum
10	Seal	1	NBR
9	Combination	1	ADC-12
8	Spring	1	Stainless steel
7	Spring plate	1	Carbon steel
6	O-ring	1	NBR
5	Seal ring	1	Stainless steel
4	O-ring	1	NBR
3	O-ring	1	NBR
2	Regulator body	1	ZZ444-1

EIL3000



NO.	NAME	QTY	MATERIAL
26	Cap	1	Polycarbonate
27	Lock	1	ABS
24	Pin	1	ABS
25	Spring	1	Stainless steel
24	Water bowl	1	Stainless steel
23	O-ring	1	NBR
22	Pin	1	Q235
21	O-ring	1	HP304-1
20	O-ring	1	NBR
19	O-ring	1	HP304-1
18	O-ring	1	ABS
17	Pin	1	ABS
16	O-ring	1	NBR
15	Cross bar	2	Q235
14	Spring	1	Stainless steel
13	Spring plate	2	PCOM
12	Spring	1	Stainless steel
11	Pin	1	PCOM
10	Pin	1	PCOM
9	Steel ball	1	Q235
8	O-ring	1	NBR
7	Steel ball	1	Q235
6	Seal	1	Polycarbonate
5	Lubricator body	1	ADC-12
4	O-ring	1	NBR
3	O-ring	1	Polycarbonate
2	O-ring	1	NBR
1	O-ring	1	Polycarbonate

EIW3000



NO.	NAME	QTY	MATERIAL
48	Seal	1	Carbon steel
47	Regulator nut	1	Carbon steel
46	Washer	1	PCOM
45	Regulator ball	1	Carbon steel
44	Spring	4	Carbon steel
43	O-ring	4	Carbon steel
42	Valve cover	1	HP304-1
41	Nut	1	HP304-1
40	Spring	1	Stainless steel
39	Regulator body	1	Aluminum
38	Regulator ball	1	Carbon steel
37	Regulator nut	1	Carbon steel
36	Spring	1	Stainless steel
35	Spring plate	1	Carbon steel
34	O-ring	1	NBR
33	Seal ring	1	Stainless steel
32	O-ring	1	NBR
31	Regulator body	1	Aluminum
30	Seal	1	NBR
29	Combination	1	ADC-12
28	Spring	1	Stainless steel
27	Spring plate	1	Carbon steel
26	O-ring	1	NBR
25	Seal ring	1	Stainless steel
24	O-ring	1	NBR
23	Seal ring	1	Stainless steel
22	O-ring	1	NBR
21	Regulator body	1	Aluminum
20	Seal	1	NBR
19	Combination	1	ADC-12
18	Spring	1	Stainless steel
17	Spring plate	1	Carbon steel
16	O-ring	1	NBR
15	Seal ring	1	Stainless steel
14	O-ring	1	NBR
13	Seal ring	1	Stainless steel
12	O-ring	1	NBR
11	Regulator body	1	Aluminum
10	Seal	1	NBR
9	Combination	1	ADC-12
8	Spring	1	Stainless steel
7	Spring plate	1	Carbon steel
6	O-ring	1	NBR
5	Seal ring	1	Stainless steel
4	O-ring	1	NBR
3	O-ring	1	NBR
2	Regulator body	1	ZZ444-1
1	Valve core	1	Stainless steel

EI Series Air Preparation Unit

EIC
F.R.L



Specifications

Model	EIC2000	EIC3000	EIC4000	EIC5000
Proof pressure(MPa)	1.5			
Max. working pressure(MPa)	1.0			
Working temperature(°C)	5-60			
Filter precision	25µm(5 µm is optional)			
Recommended oil	Turbine No.1 Oil ISOVG32			
Bowl material	Polycarbonate			
Bowl guard	None	Available		
Pressure adjusting range(MPa)	0.15-0.85			
Valve type	With overflow			

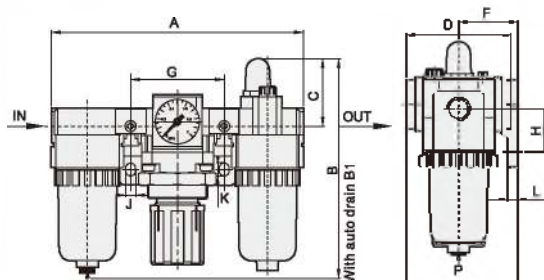
Model	Specifications				* Rated flow (L/min)	* Port size (G)
	Filter	Assembly Regulator	Lubricator			
EIC2000-01	EIF2000	EIR2000	EIL2000		1000	1/8
EIC2000-02					1100	1/4
EIC3000-02	EIF3000	EIR3000	EIL3000		1950	1/4
EIC3000-03					2105	3/8
EIC4000-03	EIF4000	EIR4000	EIL4000		4950	3/8
EIC4000-04					5200	1/2
EIC5000-06	EIF5000	EIR5000	EIL5000		6200	3/4
EIC5000-10					6500	1

* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure

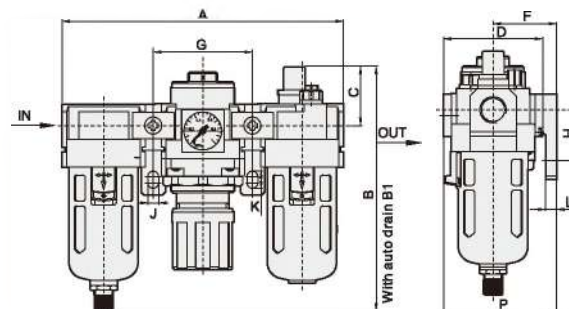
* NPT,PT port size is optional

Main Dimension

EIC2000



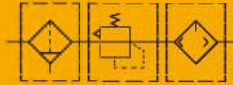
EIC3000-EIC5000



Model	Port Size (G)	A	B	B1	C	D	F	G	H	J	K	L	P
EIC2000	1/8"-1/4"	140	123	161	37.5	54	30	50	24	5.5	8.5	5	57
EIC3000	1/4"-3/8"	184	167.5	170	39	64	41	65	35	7.5	11	7.2	71
EIC4000	3/8"-1/2"	238	190	194	40	80	50	84	40	9	13	7.2	88
EIC5000	3/4"-1"	300	271.5	274.5	45.5	90	69.8	105	50	12	18	10.5	115

EI Series Air Preparation Unit

EIC
FR.L



Specifications

Model	EIC2010	EIC3010	EIC4010	EIC5010
Proof pressure(MPa)	1.5			
Max. working pressure (MPa)	1.0			
Working temperature(°C)	5-60			
Filter precision	26µm(5 µm is optional)			
Recommended oil	Turbine No.1 Oil ISOVG32			
Bowl material	Polycarbonate			
Bowl guard	None	Available		
Pressure adjusting range(MPa)	0.15-0.85			
Valve type	With overflow			

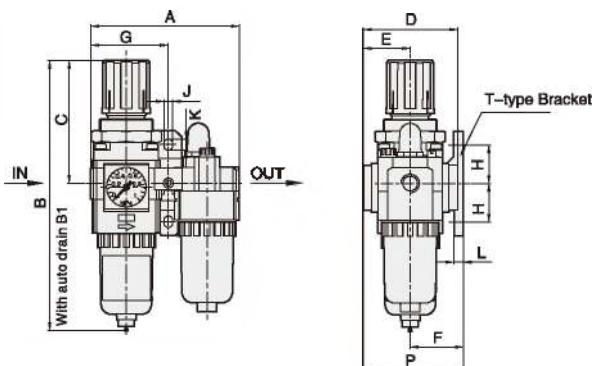
Model	Specifications		
	Assembly		
	Filter with pressure reducer	Lubricator	
EIC2010-01	EIW2000	EIL2000	* Rated flow (L/min)
EIC2010-02			945
EIC3010-02	EIW3000	EIL3000	* Port size (G)
EIC3010-03			1874
EIC4010-03	EIW4000	EIL4000	1956
EIC4010-04			4923
EIC5010-06	EIW5000	EIL5000	5120
EIC5010-10			6000
			6200

* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure

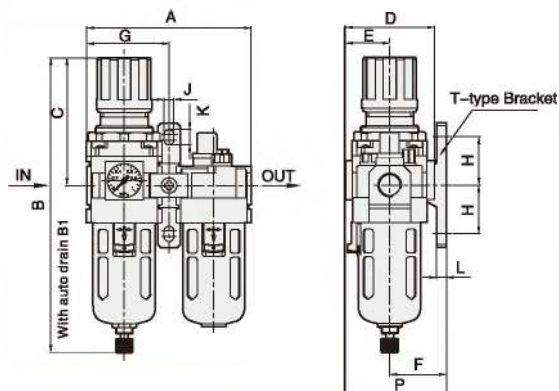
* NPT,PT port size is optional

Main Dimension

EIC2010



EIC3010-EIC5010



Model	Port Size (G)	A	B	B1	C	D	E	F	G	H	J	K	L	P
EIC2010	1/8"-1/4"	90	168.5	205.5	82	54	27	29.5	45	24	5.5	8.5	5	56.5
EIC3010	1/4"-3/8"	117	210.5	224.5	92	63	31.5	40	59.5	35	7.5	11	7.2	71.5
EIC4010	3/8"-1/2"	154	264	267	113.5	80	40	49.5	77	39	9	13	7.2	89.5
EIC5010	3/4"-1"	195	343	348	121.5	94	47	68.5	97.5	50	12	16	10.5	115.5

EIW Series Air Preparation Unit

EIW
F&R



Specifications

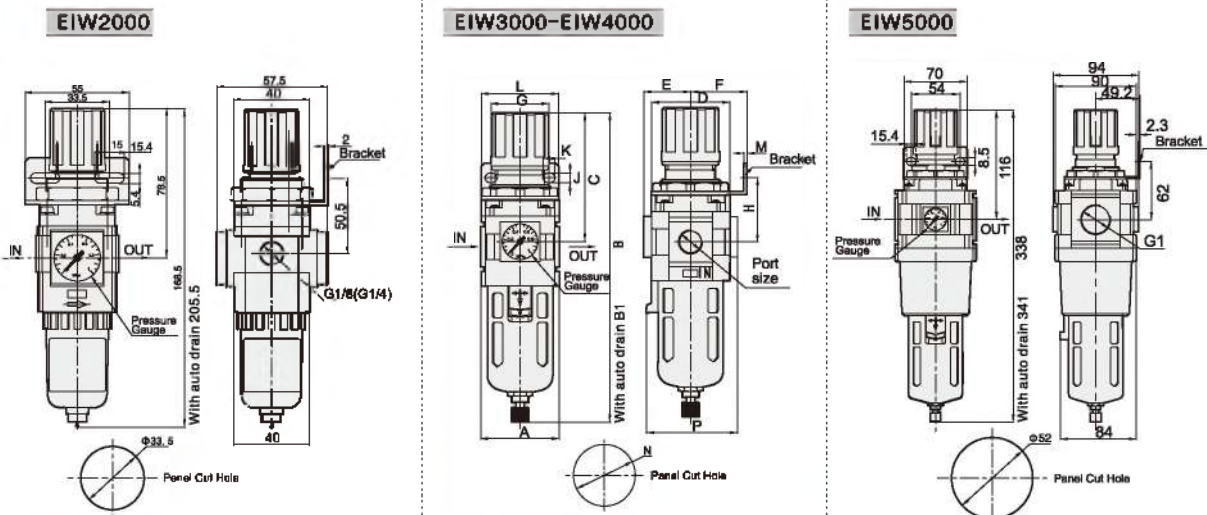
Model	EIW2000	EIW3000	EIW4000	EIW5000
Front pressure(MPa)			1.5	
Max. working pressure			1.0	
Working temperature(°C)			5-80	
Filter precision			25µm(5 µm is optional)	
Bowl material		Polycarbonate		
Bowl guard(MPa)	None		Available	
Pressure adjusting range			0.15-0.85	
Valve type			With overflow	

Model	Specifications		Drain function	Auto drain model
	*Rated flow (L/min)	*Port size(G)		
EIW2000-01	1078	1/8	Manual drain	EIW2000-01D
EIW2000-02	1165	1/4		EIW2000-02D
EIW3000-02	1998	1/4	Zero pressure drain/Manual drain	EIW3000-02D
EIW3000-03	2177	3/8		EIW3000-03D
EIW4000-03	5108	3/8		EIW4000-03D
EIW4000-04	5211	1/2		EIW4000-04D
EIW5000-06	6200	3/4		EIW5000-06D
EIW5000-10	8400	1		EIW5000-10D

* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure

* NPT,PT port size is optional

Main Dimension



Model	Port Size (G)	A	B	B1	C	D	E	F	G	H	J	K	L	M	N	P
EIW2000	1/8"-1/4"	40	168.5	205.5	78.5	40	27	30.5	33.5	49.5	5.4	16	55	2	33	40
EIW3000	1/4"-3/8"	53	210.5	224.5	92	53	31.5	39	40	45.5	6.5	8	53	2	42	63
EIW4000	3/8"-1/2"	70	264	267	113.5	70	40	48	53.5	54.5	8.5	10.5	70	2	52	73
EIW5000	3/4"-1"	90	343	348	116.5	90	47	48	53.5	62	8.5	10.5	70	2	52	84

EIF Series Air Preparation Unit

EIF Filter



Specifications

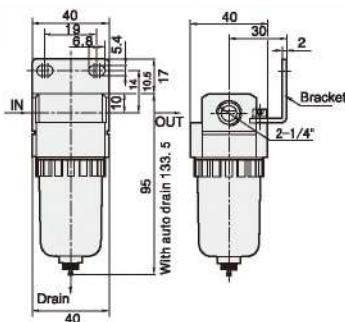
Model	EIF2000	EIF3000	EIF4000	EIF5000
Proof pressure(MPa)			1.5	
Max. working pressure(MPa)			1.0	
Working temperature(°C)			5-60	
Filter precision			25µm(5 µm is optional)	
Bowl material			Polycarbonate	
Bowl guard	None		Available	
Entrance pressure(MPa)			0.15-1.0	

Model	Specifications			Drain function	Auto drain model
	*Rated flow (L/min)	*Port size (G)	Bowl capacity (cm³)		
EIF2000-01	1222	1/8	15	Manual drain	EIF2000-01D
EIF2000-02	1276	1/4			EIF2000-02D
EIF3000-02	2006	1/4	20	Zero pressure drain/Manual drain	EIF3000-02D
EIF3000-03	2148	3/8			EIF3000-03D
EIF4000-03	5120	3/8	46	Zero pressure drain/Manual drain	EIF4000-03D
EIF4000-04	5430	1/2			EIF4000-04D
EIF5000-06	8200	3/4	130		EIF5000-06D
EIF5000-10	8500	1			EIF5000-10D

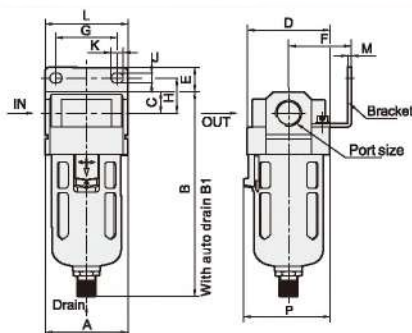
* The above information is based on 6.3 Bar supply pressure and 1.0 Bar set pressure * NPT,PT port size is optional

Main Dimension

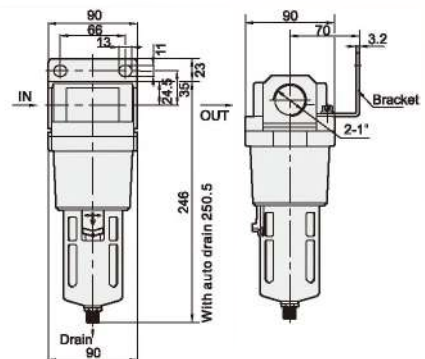
EIF2000



EIF3000-EIF4000



EIF5000



Model	Port Size (G)	A	B	B1	C	D	E	F	G	H	J	K	L	M	P
EIF2000	1/8"-1/4"	40	95	133.5	10.5	40	25	31	19	14	17	6.8	40	2	-
EIF3000	1/4"-3/8"	53	132.5	145	14	53	15	41.5	40	22	6.5	8	53	2	56
EIF4000	3/8"-1/2"	70	188	171.5	18	70	18	53	54	27	8.5	10.5	70	2	73
EIF5000	3/4"-1"	90	246	250	24	90	23	67	66	35	11	13	90	3	-

EIL Series Air Preparation Unit

EIL Lubricator



Specifications

Model	EIL2000	EIL3000	EIL4000	EIL5000
Proof pressure(MPa)			1.5	
Max. working pressure(MPa)			1.0	
Working temperature(°C)			5-60	
Recommended oil		Turbine No.1 Oil ISOVG32		
Bowl material		Polycarbonate		
Bowl guard	None		Available	
Entrance pressure(MPa)		0.15-1.0		

Model	Specifications			
	* Minimal flow of oil drop (L/min)	* Rated flow (L/min)	* Port size(G)	Bowl capacity (cm ³)
EIL2000-01	15	1300	1/8	25
EIL2000-02		1345	1/4	
EIL3000-02		2310	1/4	
EIL3000-03	40	2375	3/8	50
EIL4000-03	40	5321	3/8	
EIL4000-04	50	5532	1/2	
EIL5000-06	190	7700	3/4	130
EIL5000-10		8000	1	

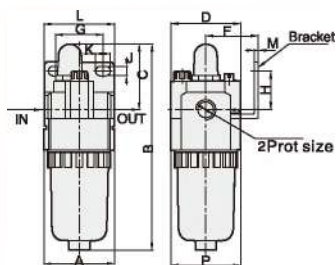
* The above information is based on 5.1Bar supply pressure, the flow of oil drop is 2-3 drops/ min, the temperature of Turbine No.1 oil is 20°C

* The above information is based on 5.1Bar supply pressure and 0.3Bar step down

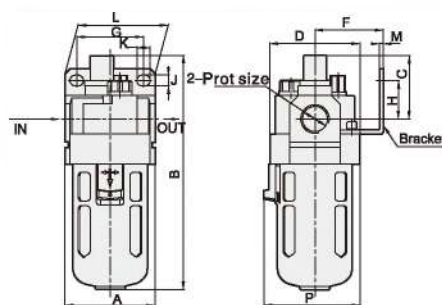
* NPT,PT port size is optional

Main Dimension

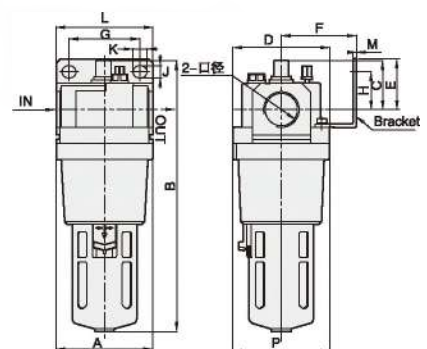
EIL2000



EIL3000-EIL4000



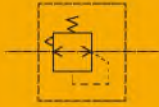
EIL5000



Model	Port Size (G)	A	B	C	D	F	G	H	J	K	L	M	P
EIL2000	1/8"-1/4"	40	115	37.5	40	31	19	14	17	6.8	40	2	40
EIL3000	1/4"-3/8"	53	141	39	53	41	40	23	6.5	8	53	2	58
EIL4000	3/8"-1/2"	70	175	40	70	53	54	26	8.5	10.5	70	2	73
EIL5000	3/4"-1"	90	254	45.5	90	67	66	35	11	13	90	3	90

EIR Series Air Preparation Unit

EIR Regulator



Specifications

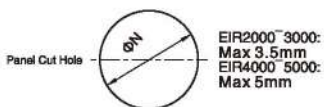
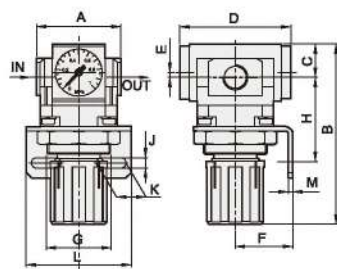
Model	EIR2000	EIR3000	EIR4000	EIR5000
Proof pressure(MPa)			1.5	
Max. working pressure(MPa)			1.0	
Working temperature(°C)			5-60	
Pressure adjusting range(MPa)			0.05-0.85	
Valve type			With overflow	

Model	Specifications	
	- Rated flow (L/min)	- Port Size (G)
EIR2000-01	1178	1/8
EIR2000-02	1200	1/4
EIR3000-02	2112	1/4
EIR3000-03	2212	3/8
EIR4000-03	5020	3/8
EIR4000-04	5312	1/2
EIR5000-06	6400	3/4
EIR5000-10	6600	1

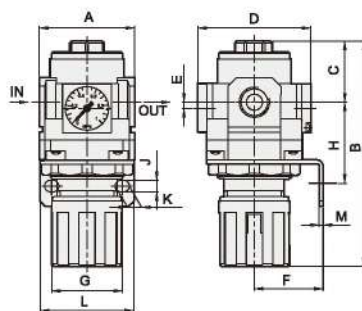
* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure * NPT,PT port size is optional

Main Dimension

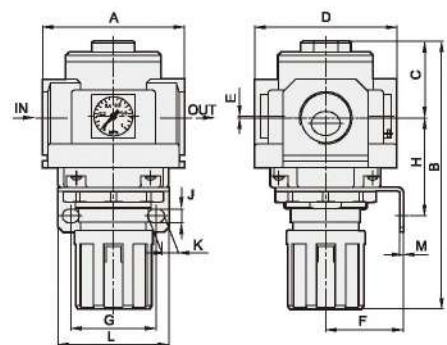
EIR2000



EIR3000-EIR4000



EIR5000



Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	M	N
EIR2000	1/8"-1/4"	40	95	17	55	1.3	30.5	33.5	44	5.4	15	55	2	33
EIR3000	1/4"-3/8"	53	127.5	34.5	64	3	39	40	46	6.5	8	53	2	42
EIR4000	3/8"-1/2"	70	149.5	37.5	81	4	48	53.5	54.5	8.5	10.5	70	2	52
EIR5000	3/4"-1"	90	168	49	90	0.5	48	53.5	62	8.5	10.5	70	2	52

EI Series Regulator with Backflow Function

EIR

Regulator with backflow function



How to order?

Series No.	Valve body series	Type code	Port size	Pressure Gauge code	Bracket code	Scale unit	Thread type
EIR: Regulator with square gauge		Blank: Standard Type K: Backflow type		Blank: With Pressure Gauge N: Without Pressure Gauge		1: Mpa 2: Bar 3: Psi	Blank: G P: PT T: NPT
2000:2000 Series 3000:3000 Series 4000:4000 Series 5000:5000 Series		2000 01: 1/8" 02: 1/4" 3000 02: 1/4" 03: 3/8"	4000 04: 1/2" ① 5000 06: 3/4" 10: 1"		Blank: With bracket J: Without bracket		

Order Example: Regulator with square gauge, 2000 series body, backflow type, 1/4" port size, with gauge, with bracket, MPa, G thread, ERP code is: EIR2000K-021

- Note:**
1. Backflow type regulator must work separately; the regulator knob must be upward, the air should be left port in and right port out.
 2. 2000 series must work in case of knob upward and left port in & right port out. Right port in & left port out is not available currently.
 3. Standard 3000, 4000, 5000 series with backflow function must conform to above 1st point. If right port in & left port out was requested, EMC can customize it.

Note: ① 3/8" and 3/4" port are not available for 4000 series.

Specification

Model	EIR2000K	EIR3000K	EIR4000K	EIR5000K
Working Medium	Clean air(After 40 μm filtration)			
Proof pressure(MPa)	1.5			
Max. Working pressure(MPa)	1.0			
Pressure adjusting range(MPa)	0.05-0.85			
Working temperature(°C)	-5-60 (No freezing)			
Overpressure Exhaust Mechanism	Relieving type			

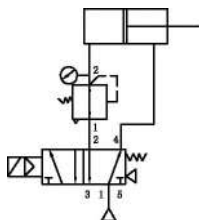
Model	Rated flow(L/min) *	Port size *
EIR2000K-01	1178	1/8"
EIR2000K-02	1200	1/4"
EIR3000K-02	2112	1/4"
EIR3000K-03	2212	3/8"
EIR4000K-04	5312	1/2"
EIR5000K-08	6400	3/4"
EIR5000K-10	8600	1"

* Supply pressure 8.0Bar, Set pressure 6.3Bar, and pressure difference 1 Bar, testing result shows that standard type and backflow type have same flow rate.

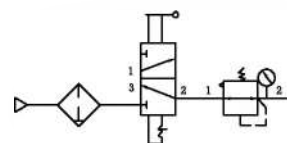
* G, PT, NPT is optional.

Suitable Applications

1. The pressure is different between piston rod side and the opposite side.



2. Exhaust through the Inlet port when air supply stopped. It is a safety precaution.

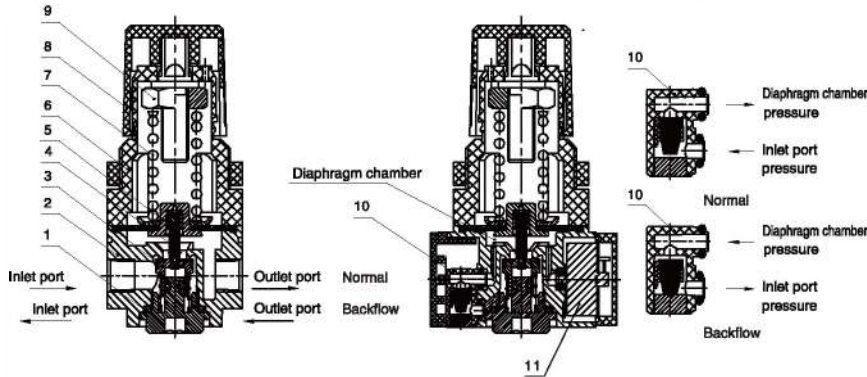


EI Series Regulator with Backflow Function

Construction and working principle

Working principle:

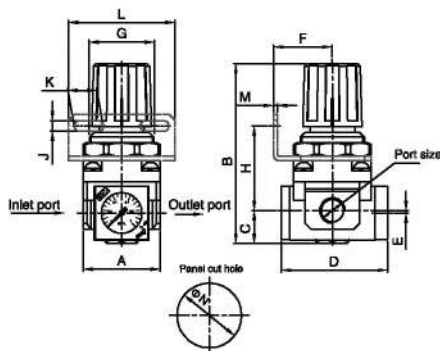
1. When inlet pressure is higher than set pressure, one-way valve 10 closes, it works as a normal regulator.
2. When the inlet pressure blocked, then one-way valve 10 opens, pressure in diaphragm chamber exhausts from the inlet side. When diaphragm chamber pressure goes down, diaphragm is pushed down by the spring force. The valve core will be open by valve rod, pressure at the outlet side exhaust through the inlet side, it works as a regulator with backflow function.



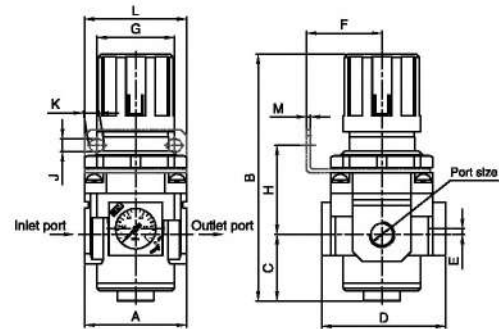
No.	Name	Material
1	Regulator seal	Aluminium
2	Regulator body	Aluminium
3	Valve core	NBR/Metal
4	Spool	Brass
5	Diaphragm components	NBR/Metal
6	Valve cover	Reinforce nylon (2000/3000) Aluminium(4000/5000)
7	Spring	SWC
8	Knob	Reinforce nylon
9	Adjustment ball components	Free-cutting steel
10	One-way valve components	NBR/Plastic
11	Pressure gauge	Brass/Plastic

Main Dimension

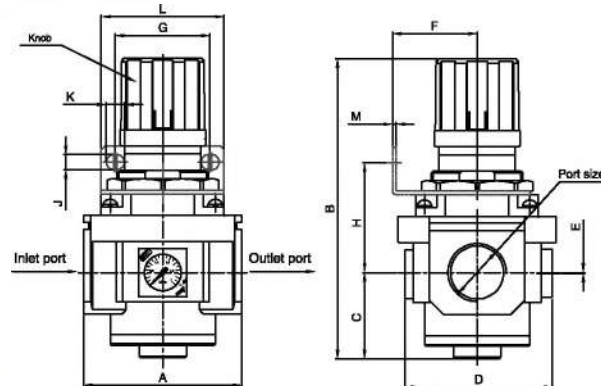
EIR2000K



EIR3000K-EIR4000K



EIR5000K



Note:

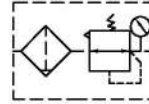
1. Backflow type regulator knob should be upward, left port inlet and right port outlet.
2. Standard regulator knob should be downward, left port inlet and right port outlet. (Refer to EI series of standard type)
3. The installation size and dimensions of standard and backflow type are same.

Model	Port size	A	B	C	D	E	F	G	H	J	K	L	M	N
EIR2000K	1/8" - 1/4"	40	95	17	66	1.3	30.5	33.5	44	5.4	15	66	2	33
EIR3000K	1/4" - 3/8"	53	127.5	34.5	64	3	39	40	46	6.5	8	53	2	42
EIR4000K	1/2"	70	149.5	37.5	81	4	48	53.5	54.5	6.5	10.5	70	2	52
EIR5000K	3/4" - 1"	90	188	48	90	0.5	48	53.5	62	6.5	10.5	70	2	52

EI Series Filter Regulator with Backflow Function

EIW

Filter regulator with backflow function



How to order?

Series No.	Valve body	Type code	Port size	Drain Type	Pressure Gauge Code	Bracket code	Scale unit	Filter Precision	Thread type
EIW:Regulator filter with square gauge	2000-2000 Series 3000-3000 Series 4000-4000 Series 5000-5000 Series	Blank: Standard Type K: Backflow type	01: 1/8" 02: 1/4"	Blank: Manual drain type C: Semi-auto drain D: Auto Drain type	03: 3/8" 04: 1/2" 06: 3/4" 08: 3/4" 10: 1"	Blank: With bracket J: Without bracket Blank: With pressure gauge N: Without pressure gauge	1: Mpa 2: Bar 3: Psi	Blank: 25 μm 5M: 5 μm	Blank: G P: PT T: NPT

Order Example: Regulator filter with square gauge, 2000 series body, backflow type, 1/4" port, auto drain type, with gauge, with bracket, MPa, filter precision 5 μm, G thread, ERP code is:EIW2000K-02D15M.

- Note:**
1. Backflow type regulator filter must work separately; the knob must be upward, the air should be left port in and right port out.
 2. 2000 series must work in case of knob upward and left port in & right port out Right port in & left port out is not available currently.
 3. Standard 3000,4000,5000 series with backflow function must conform to above 1st point.If right port in & left port out was requested, EMC can customize it.

Specification

Model	EIW2000K	EIW3000K	EIW4000K	EIW5000K
Working Medium	Clean air(After 40 μm filtration)			
Proof pressure(MPa)	1.5			
Max. Working pressure(MPa)	1.0			
Pressure adjusting range(MPa)	0.15-0.85			
Working temperature(°C)	-5-60 (No freezing)			
Filter precision	25 μm/5 μm optional			
Bowl material	PC(Polycarbonate)			
Bowl guard	None	Available		
Overpressure Exhaust Mechanism	Relieving type			

Model	Rated flow(L/min) *	Port size *
EIW2000K-01	1078	1/8"
EIW2000K-02	1165	1/4"
EIW3000K-02	1998	1/4"
EIW3000K-03	2177	3/8"
EIW4000K-03	5108	3/8"
EIW4000K-04	5211	1/2"
EIW4000K-06	5900	3/4"
EIW5000K-06	6200	3/4"
EIW5000K-10	6400	1"

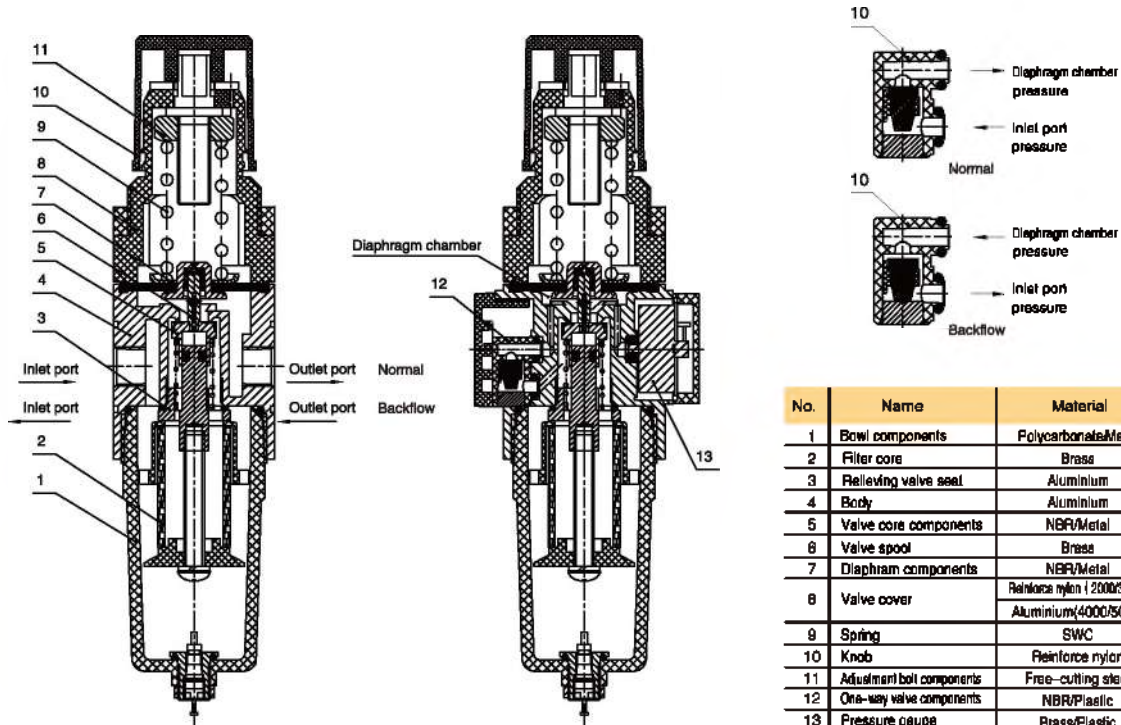
* Supply pressure 8.0Bar, Set pressure 6.3Bar, and pressure difference 1 Bar, testing result shows that standard type and backflow type have same flow rate.
* G, PT, NPT is optional.

EI Series Filter Regulator with Backflow Function

Construction and working principle

Working principle:

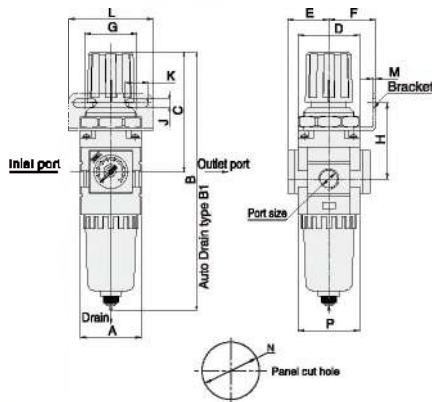
1. When inlet pressure is higher than set pressure, one-way valve 10 closes, it works as a normal regulator.
2. When the inlet pressure blocked, then-way valve 12 opens, pressure in diaphragm chamber exhausts from the inlet side. When diaphragm chamber pressure goes down, diaphragm is pushed down by the spring force. The valve core will be open by valve rod, pressure at the outlet side exhaust through the inlet side, it works as a regulator with backflow function.



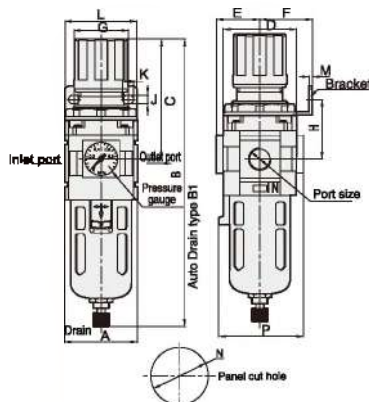
No.	Name	Material
1	Bowl components	Polycarbonate/Metal
2	Filter core	Brass
3	Relieving valve seat	Aluminium
4	Body	Aluminium
5	Valve core components	NBR/Metal
6	Valve spool	Brass
7	Diaphragm components	NBR/Metal
8	Valve cover	Reinforce nylon (2000/3000) Aluminium(4000/5000)
9	Spring	SWC
10	Knob	Reinforce nylon
11	Adjustment bolt components	Free-cutting steel
12	One-way valve components	NBR/Plastic
13	Pressure gauge	Brass/Plastic

Main Dimension

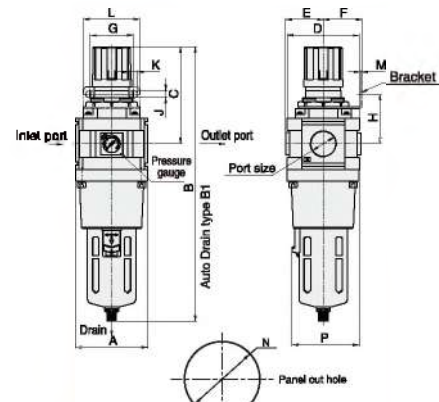
EIW2000K



EIW3000K-EIW4000K



EIW5000K



Model	Port size	A	B	B1	C	D	E	F	G	H	J	K	L	M	N	P
EIW2000K	1/8"-1/4"	40	168.5	205.5	78.5	40	27	30.5	33.5	49.5	5.4	15	55	2	33	40
EIW3000K	1/4"-3/8"	53	210.5	224.5	92	53	31.5	39	40	45.5	6.5	8	53	2	42	63
EIW4000K	3/8"-1/2"	70	264	267	113.5	70	40	48	53.5	54.5	8.5	10.5	70	2	52	73
EIW4000K-06	3/4"	90	343	348	116.5	90	47	48	53.5	62	8.5	10.5	70	2	52	84
EIW5000K	3/4"-1"	90	343	348	116.5	90	47	48	53.5	62	8.5	10.5	70	2	52	84

E Series Air Preparation Unit

How to Order?

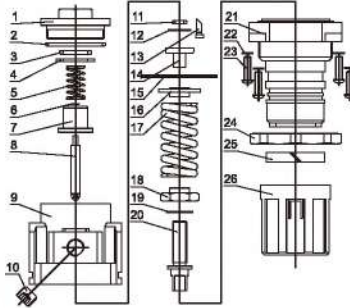
Series No.	Type Code	Body Size	Combination	QTY	Port Size	Drain Type	Pressure Gauge Code	Bracket Code	Scale Unit	Filter Precision	Thread Type
E: Round gauge series	C: Filler-regulator+lubricator W: Filter+regulator F: Filter R: Regulator L: Lubricator	10: 1000 body 20: 2000 body 30: 3000 body 40: 4000 body 50: 5000 body	10: Two units (Regulator+Lubricator) 00: Others	1000 M5: M5 2000 01: 1/8" 3000 02: 1/4" 4000 03: 3/8" 5000 06: 3/4" 10: 1"	Blank: Manual drain type C: Semi-auto drain D: Auto Drain type	Blank: Manual drain type J: No bracket	Blank: With pressure gauge N: No pressure gauge	Blank: With bracket J: No bracket	Blank: 25 µm 5M: 5 µm	Blank: G P: PT T: NPT	

Order Example:

E series regulator, 2000 body size, 1/8 port size, with pressure gauge, with bracket, scale unit is Mpa/Psi, G thread, ERP code is: ER2000-01 4

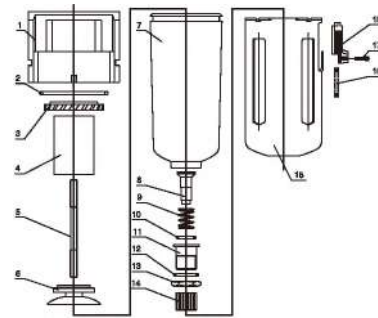
Air Preparation Unit Kits

ER



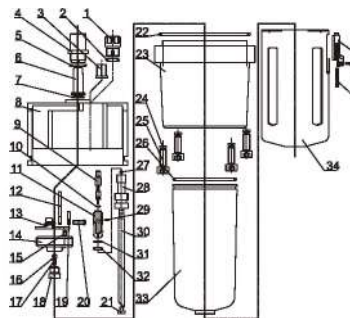
NO.	NAME	QTY	MATERIAL
26	Regulate handle	1	Reinforce nylon
25	Symbol ring	1	Reinforce nylon
24	Nut	1	Reinforce nylon
23	Cross screw	4	Carbon steel
22	Spring washer	4	Carbon steel
21	Valve cover	1	Reinforce nylon
20	Regulate ball	1	Carbon steel
19	Washer	1	PCOM
18	Regulate Nut	1	Carbon steel
17	Spring	1	Carbon steel
16	Spring seat	1	Carbon steel
15	Diaphragm	1	NBR
14	Diaphragm seat	1	Brass
13	Pipe	1	PCOM
12	Retainer ring	1	Carbon steel
11	O-ring	1	NBR
10	Plug	1	Carbon steel
9	Valve body	1	Aluminum
8	Spool	1	Brass+NBR
7	Valve core	1	Brass
6	Retainer ring	1	Carbon steel
5	Spring	1	Stainless steel
4	Washer	1	Carbon steel
3	O-ring	1	NBR
2	O-ring	1	NBR
1	Regulator seat	1	ZZn44-1

EF



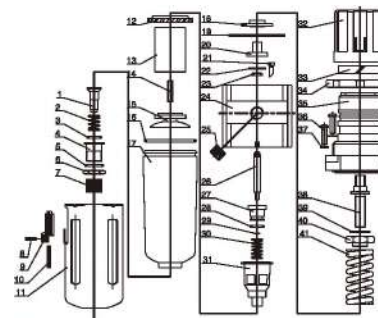
NO.	NAME	QTY	MATERIAL
18	Lock	1	ABS
17	Pin	1	ABS
16	Spring	1	Stainless steel
15	Matrix base	1	Carbon steel
14	Nut	1	Cu
13	Hex Nut	1	Cu
12	O-ring	1	NBR
11	Diaphragm	1	Cu
10	O-ring	1	NBR
9	Spring	1	Stainless steel
8	Valve core	1	Cu
7	Water cup	1	Polycarbonate
6	Diaphragm seat	1	ABS
5	Belt	1	Carbon steel
4	Filter element	1	Cu
3	Block	1	ABS
2	O-ring	1	NBR
1	Regulator body	1	Aluminum

EL



NO.	NAME	QTY	MATERIAL
37	Lock	1	ABS
36	Pin	1	ABS
35	Spring	1	Stainless steel
34	Matrix base	1	Carbon steel
33	O-ring	1	Polycarbonate
32	O-ring	1	NBR
31	O-ring	1	NBR
30	O-ring	1	PU
29	Pin	1	Carbon steel
28	Filling	1	PCOM
27	Steel ball	1	Carbon steel
26	O-ring	1	NBR
25	Hex screw	4	Carbon steel
24	Spring washer	4	Carbon steel
23	Matrix part	1	Aluminum
22	O-ring	1	NBR
21	Filter element	1	Brass
20	Diaphragm	1	Carbon steel
19	Head seal board	1	ZZn44-1
18	Die cast valve seat	1	Cu
17	Spring	1	Stainless steel
16	Steel ball	1	Carbon steel
15	Diaphragm	1	NBR
14	Spring seat	1	ZZn44-1
13	Head seat	1	ZZn44-1
12	Head	1	Polycarbonate
11	O-ring valve seat	1	Brass
10	O-ring	1	NBR
9	Regulate handle	1	Brass
8	Lubricator body	1	Aluminum
7	O-ring	1	NBR
6	O-ring	1	Polycarbonate
5	O-ring	1	NBR
4	O-ring	1	Polycarbonate
3	O-ring	1	ABS
2	O-ring	1	NBR
1	Plug	1	ABS

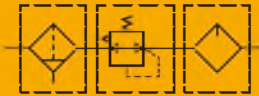
EW



NO.	NAME	QTY	MATERIAL
41	Spring	1	Carbon steel
40	Regulate Nut	1	Carbon steel
39	Washer	1	PU
38	Regulate Ball	1	Carbon steel
37	Spring washer	4	Carbon steel
36	Cross screw	4	Carbon steel
35	Valve cover	1	Reinforce nylon
34	Nut	1	Reinforce nylon
33	Symbol ring	1	Reinforce nylon
32	Regulate handle	1	Reinforce nylon
31	Overhaul valve seat	1	ZZn44-1
30	Spring	1	Stainless steel
29	Retainer ring	1	Carbon steel
28	O-ring	1	NBR
27	Water core	1	Brass
26	Spool	1	Brass+NBR
25	Plug	1	Carbon steel
24	Regulate body	1	Aluminum
23	O-ring	1	NBR
22	Retainer ring	1	Carbon steel
21	Pipe	1	PCOM
20	Diaphragm seat	1	Brass
19	Diaphragm	1	NBR
18	Diaphragm Part	1	Carbon steel
17	Water cup	1	Polycarbonate
16	O-ring	1	NBR
15	Drain board	1	ABS
14	Block	1	Carbon steel
13	Filter element	1	Brass
12	Whisking board	1	ABS
11	Steel cover	1	Carbon steel
10	Block	1	Aluminum alloy
9	Lock	1	ABS
8	Pin	1	ABS
7	Nut	1	Brass
6	Hex Nut	1	Brass
5	O-ring	1	NBR
4	Drain valve	1	Brass
3	O-ring	1	NBR
2	Block	1	Stainless steel
1	Valve core	1	Brass

EC Series Air Preparation Unit

EC
F.R.L



Specifications

Model	EC1000	EC2000	EC2500	EC3000	EC4000	EC5000
Proof pressure(MPa)	1.5					
Max. working pressure(MPa)	1.0					
Working temperature(°C)	5-60					
Filter precision	25 μm(5 μm is optional)					
Recommended oil	Turbine No.1 Oil ISOVG32					
Bowl material	Polycarbonate					
Bowl guard	None			Available		
Pressure adjusting range(MPa)	0.15-0.85					
Valve type	With overflow					

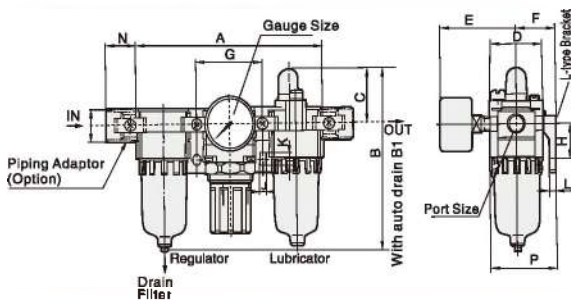
Model	Specifications							Accessories Bracket(Two)
	Filter	Regulator	Lubricator	* Rated flow (L/min)	** Port size (G)	Pressure gauge thread size (G)	Weight (kg)	
EC1000-M5	EF1000	ER1000	EL1000	90	M5	1/16	0.26	Y10L
EC2000-01	EF2000	ER2000	EL2000	1000	1/8	1/8	0.74	Y20L
EC2000-02				1100	1/4			
EC3000-02	EF3000	ER3000	EL3000	1950	1/4	1/8	1.18	Y30L
EC3000-03				2105	3/8			
EC4000-03	EF4000	ER4000	EL4000	4950	3/8	1/4	2.14	Y40L
EC4000-04				5200	1/2			
EC4000-06	EF4000-06	ER4000-06	EL4000-06	5600	3/4	1/4	2.47	Y50L
EC5000-06	EF5000	ER5000	EL5000	6200	3/4	1/4	3.82	Y60L
EC5000-10				6500	1			

* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure

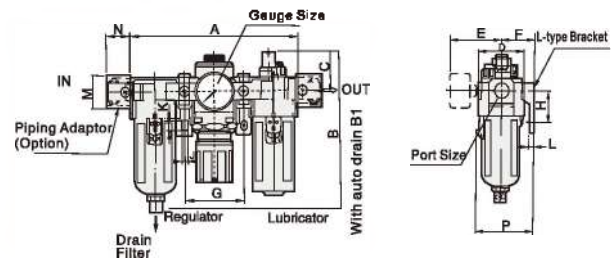
* NPT,PT port size is optional

Main Dimension

EC1000-EC2000



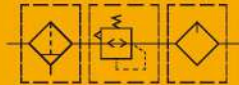
EC3000-EC5000



Model	Port Size (G)	A	B	B1	C	D	E	F	G	H	J	K	L	M	N	P
EC1000	M5	81	84.5	-	25.5	25	26	25	33	20	4.5	7.5	5	17.5	16	38.5
EC2000	1/8"-1/4"	140	123.5	161	37.5	40	53	30	60	24	6.5	8.5	5	22	23	60
EC3000	1/4"-3/8"	181	157.5	170	39	53	57	41	64	35	7.5	11	7.2	34.2	26	70.5
EC4000	3/8"-1/2"	238	190	194	40	70	62	50	84	40	9	13	7.2	42.2	33	88
EC4000-06	3/4"	253	191.5	194.5	39	70	66	50	89	40	9	13	7.2	46.2	36	88
EC5000	3/4"-1"	300	271.5	274.5	45.5	90	72	68.8	105	50	12	16	10.5	55.2	40	115

EC Series Air Preparation Unit

EC
FR.L



Specifications

Model	EC1010	EC2010	EC3010	EC4010	EC5010
Proof pressure(MPa)	1.5				
Max. working pressure(MPa)	1.0				
Working temperature(°C)	5-60				
Filter precision	25 μm (5 μm is optional)				
Recommended oil	Turbine No.1 Oil ISOVG32				
Bowl material	Polycarbonate				
Bowl guard	None				Available
Pressure adjusting range(MPa)	0.15-0.85				
Valve type	With overflow				

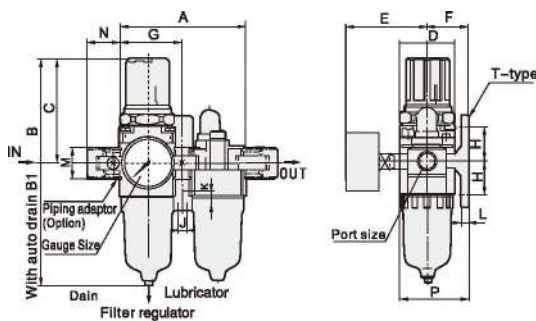
Model	Specifications						Accessories
	Assembly		* Rated flow (L/min)	** Port size (G)	Pressure gauge thread size (G)	Weight (kg)	Bracket
	Filter with pressure	Lubricator					
EC1010-M5	EW1000	EL1000	90	M5	1/16	0.22	Y10T
EC2010-01	EW2000	EL2000	945	1/8	1/8	0.66	Y20T
EC2010-02			960	1/4			
EC3010-02	EW3000	EL3000	1874	1/4	1/8	0.98	Y30T
EC3010-03			1956	3/8			
EC4010-03	EW4000	EL4000	4923	3/8	1/4	1.93	Y40T
EC4010-04			5120	1/2			
EC4010-06	EW4000-06	EL4000-06	5000	3/4	1/4	1.99	Y50T
EC5010-06			6000	3/4			
EC5010-10	EW5000	EL5000	6200	1	1/4	3.20	Y60T

* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure

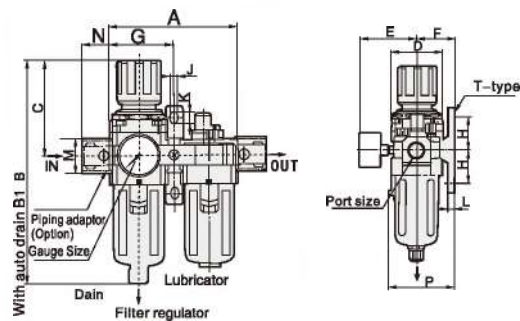
* NPT,PT port size is optional

Main Dimension

EC1010-EC2010



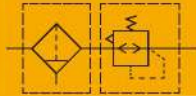
EC3010-EC5010



Model	Port Size (G)	A	B	B1	C	D	E	F	G	H	J	K	L	M	N	P
EC1010	M5	58	109.5	-	50.5	25	26	25	28	20	4.5	7.5	5	17.5	16	38.5
EC2010	1/8"-1/4"	90	182	200	78	40	53	29.5	45	24	5.5	8.5	5	22	23	50
EC3010	1/4"-3/8"	116	210.5	224.5	82	53	51	40	58.5	35	7.5	11	7.2	34.2	26	69.5
EC4010	1/4"-3/8"	154	264	287	113.5	70	67	48.5	77	40	9	13	7.2	42.2	33	88
EC4010-06	3/4"	164	268	271	115	70	67	49.5	82	40	9	13	7.2	46.2	28	88
EC5010	3/4"-1"	195	343	348	116.5	90	72	68.5	97.5	50	12	16	10.5	65.2	40	115

EW Series Air Preparation Unit

EW
F&R



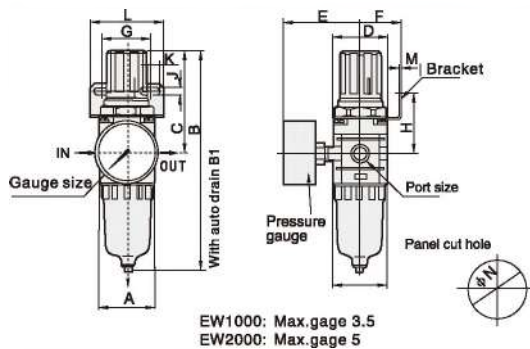
Specifications

Model	EW1000	EW2000	EW3000	EW4000	EW5000
Proof pressure(MPa)	1.5				
Max. working pressure(MPa)	1.0				
Working temperature(°C)	5~60				
Filter precision	25 μm (5 μm is optional)				
Bowl material	Polycarbonate				
Bowl guard	None		Available		
Pressure adjusting range(MPa)	0.15~0.85				
Valve type	With overflow				

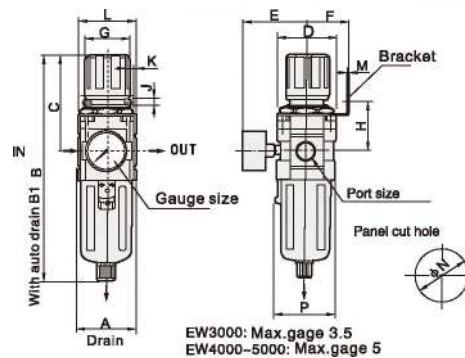
Model	Specifications				Accessories		Drain function	Auto drain model
	*Rated flow(L/min)	** Port size (G)	Pressure gauge/thread size	Weight (kg)	Bracket			
EW1000-M5	100	M5	1/16	0.09	B120			
EW2000-01	1078	1/8	1/8	0.36	B220		EW2000-01D	
EW2000-02	1165	1/4						
EW3000-02	1998	1/4	1/8	0.58	B320		EW3000-02D	
EW3000-03	2177	3/8						
EW4000-03	5108	3/8	1/4	1.15	B420		EW4000-03D	
EW4000-04	5211	1/2						
EW4000-06	5750	3/4	1/4	1.21	B420		EW4000-06D	
EW5000-06	6200	3/4						
EW5000-10	6400	1	1/4	1.70			EW5000-10D	

Main Dimension

EW1000-EW2000



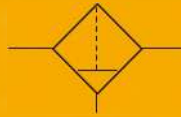
EW3000-EW5000



Model	Port Size (G)	A	B	B1	C	D	E	F	G	H	J	K	L	M	N	P
EW1000	M5	25	109.5	-	50.5	25	28	25	28	30	4.5	6.5	40	2	20.5	28
EW2000	1/8"-1/4"	40	182	200	76	40	53	30.5	38.5	43	5.4	15	55	2	33	40
EW3000	1/4"-3/8"	53	210.5	224.5	82	53	57	39	40	45	6.5	8	53	2	42	56
EW4000	3/8"-1/2"	70	264	267	113.5	70	67	48	53.5	53.5	8.5	10.5	70	2	52	73
EW4000-06	3/4"	75	268	271	116	70	67	48	53.5	53.5	8.5	10.5	70	2	52	73
EW5000	3/4"-1"	90	343	348	116.5	90	72	48	53.5	82	8.5	10.5	70	2	52	90

EF Series Air Preparation Unit

EF Filter



Specifications

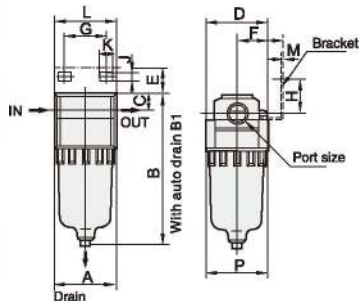
Model	EF1000	EF2000	EF3000	EF4000	EF5000
Proof pressure(MPa)			1.5		
Max. working pressure(MPa)			1.0		
Working temperature(°C)			5-60		
Filter precision	25 μm (5 μm is optional)				
Bowl material	Polycarbonate				
Bowl guard	None		Available		
Pressure adjusting range(MPa)	0.15-1.0				

Model	Specifications				Accessories	Drain function	Auto drain model
	*Rated flow (L/min)	** Port size (G)	Bowl capacity (CM ³)	Weight (kg)	Bracket		
EF1000-M5	110	M5	4	0.07	-	Manual drain	EF2000-01D
EF2000-01	1222	1/8	15	0.19	B240		EF2000-02D
EF2000-02	1278	1/4				20	0.29
EF3000-02	2006	1/4	46	0.55	B440		
EF3000-03	2148	3/8				46	0.58
EF4000-03	5120	3/8	130	1.08	B640		
EF4000-04	5430	1/2				46	0.58
EF4000-06	7880	3/4	130	1.08	B640		
EF5000-06	8200	3/4				130	1.08
EF5000-10	8500	1					

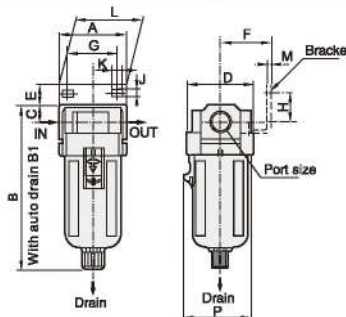
* The above information is based on 6.3 Bar supply pressure and 1.0 Bar set pressure * NPT,PT port size is optional

Main Dimension

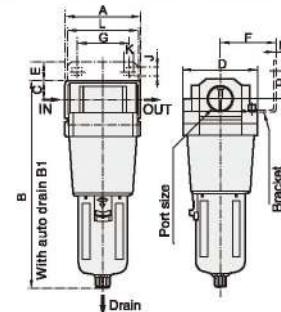
EF1000-EF2000



EF3000-EF4000



EF5000



Model	Port Size (G)	A	B	B1	C	D	E	F	G	H	J	K	L	M	P
EF1000	M5	25	66	-	7	25	-	-	-	-	-	-	-	-	28.5
EF2000	1/8"-1/4"	40	98.5	134.5	11	40	25	31	19	14	17	6.8	40	2	40
EF3000	1/4"-3/8"	53	132.5	145	14	53	15	41.5	40	22	6.5	8	53	2	56
EF4000	3/8"-1/2"	70	168	171.5	18	70	18	53	54	27	8.5	10.5	70	2	73
EF4000-06	3/4"	75	172.5	175.5	20	70	14	50	54	25	8.5	10.5	70	2	73
EF5000	3/4"-1"	90	246	250	24	90	23	67	66	35	11	13	90	3	90

EL Series Air Preparation Unit

EL

Lubricator



Specifications

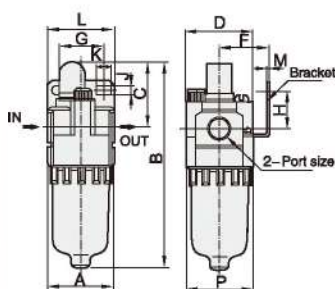
Model	EL1000	EL2000	EL3000	EL4000	EL5000
Proof pressure(MPa)	1.5				
Max. working pressure(MPa)	1.0				
Working temperature(°C)	5-60				
Filter precision	25µm (5 µm is optional)				
Bowl material	Polycarbonate				
Bowl guard	None		Available		
Pressure adjusting range (MPa)	0.15-1.0				

Model	Specifications					Accessories
	Minimal flow of oil drop (L/min)	*Rated flow(L/min)	** Port size (G)	Bowl capacity (CM ³)	Weight (kg)	Bracket
EL1000-M5	4	95	M5	7	0.07	-
EL2000-01	15	1300	1/8	25	0.22	B240
EL2000-02		1345	1/4			
EL3000-02	30	2310	1/4	50	0.50	B340
EL3000-03	40	2375	3/8			
EL4000-03	40	5321	3/8	130	0.56	B440
EL4000-04	50	5532	1/2			
EL4000-06	50	6700	3/4	130	0.58	B540
EL5000-06	190	7700	3/4			
EL5000-10			8000	1	130	1.08

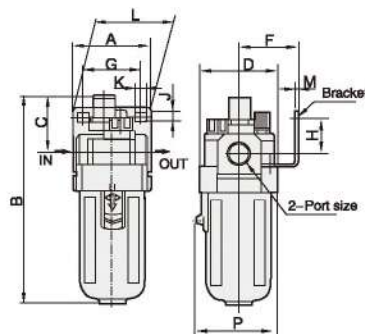
- * The above information is based on 6.3 Bar supply pressure, the flow of oil drop is 2-3 drops/min, the temperature of Turbine No.1 oil is 20°C
- ** The above information is based on 6.3 Bar supply pressure and 1.0 Bar step down
- * NPT,PT port size is optional

Main Dimension

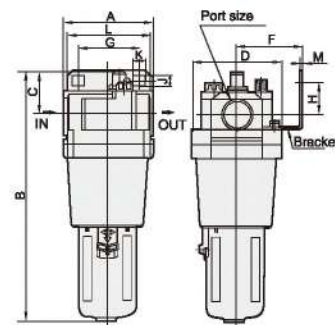
EL1000-EL2000



EL3000-EL4000



EL5000



Model	Port Size (G)	A	B	C	D	F	G	H	J	K	L	M	P
EL1000	M5	25	81.5	25.5	25	-	-	-	-	-	-	-	27
EL2000	1/8"-1/4"	40	115	37.5	40	31	19	14	17	6.8	40	2	40
EL3000	1/4"-3/8"	53	141	39	53	41	40	23	6.5	8	53	2	56
EL4000	3/8"-1/2"	70	175	40	70	53	54	26	8.5	10.5	70	2	73
EL4000-06	3/4"	75	177	39	70	50	54	26	8.5	10.5	70	2	73
EL5000	3/4"-1"	90	254	45.5	90	67	66	35	11	13	90	3	90

ER Series Air Preparation Unit

ER Regulator



Specifications

Model	ER1000	ER2000	ER3000	ER4000	ER5000
Proof pressure(MPa)	1.5				
Max. working pressure(MPa)	1.0				
Working temperature(°C)	5-60				
Pressure adjusting range(MPa)	0.05-0.85				
Valve type	With overflow				

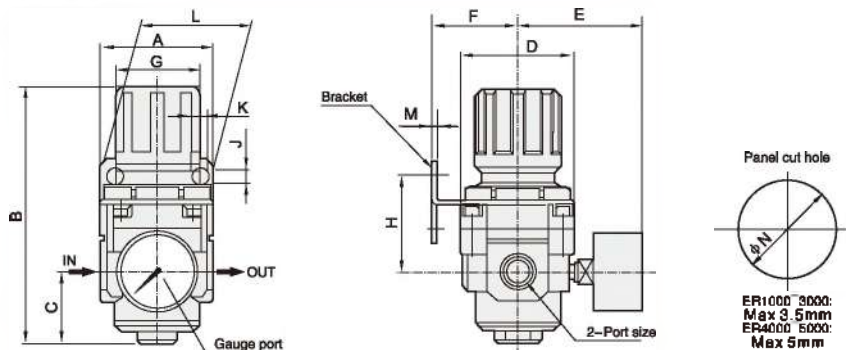
Model	Specifications				Accessories
	*Rated flow(L/min)	** Port size (G)	size (G)	Weight (kg)	Bracket
ER1000-M5	100	M5	1/16	0.08	B120
ER2000-01	1178	1/8	1/8	0.27	B220
ER2000-02	1200	1/4			
ER3000-02	2112	1/4	1/8	0.41	B320
ER3000-03	2212	3/8			
ER4000-03	5020	3/8	1/4	0.84	B420
ER4000-04	5312	1/2			
ER4000-06	6000	3/4	1/4	0.94	
ER5000-06	6400	3/4	1/4	1.19	
ER5000-10	6600	1			

* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure

* NPT,PT port size is optional

Main Dimension

ER1000-ER5000



Panel cut hole

ER1000 3000:
Max 3.5mm
ER4000 5000:
Max 5mm

Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	M	N
ER1000	M5	25	81.5	11	25	26	25	28	30	4.5	6.5	40	2	20.5
ER2000	1/8"-1/4"	40	93	17	40	52	30.5	33.5	44	5.4	15	55	2	33
ER3000	1/4"-3/8"	53	127.5	34.5	53	57	38	40	46	6.5	8	53	2	42
ER4000	3/8"-1/2"	70	149.5	40.5	70	82	48	53.5	54.5	8.5	10.5	70	2	52
ER4000-06	3/4"	75	154	40.5	70	86	48	53.5	55.5	8.5	10.5	70	2	52
ER5000	3/4"-1"	90	168	49	90	72	48	53.5	62	8.5	10.5	70	2	52

HNE Series Air Preparation Unit

How to Order?

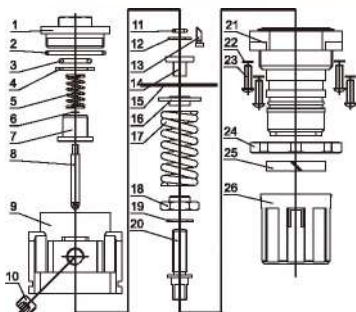
Series No.	Type Code	Body Size	Combination QTY	Part Size	Drain Type	Pressure Gauge Code	Bracket Code	Scale Unit	Filter Precision	Thread Type
HNE: Full metal bowl series	C: Filter+regulator+lubricator W: Filter+regulator F: Filter R: Regulator L: Lubricator	20: 2000 body 30: 3000 body 40: 4000 body 50: 5000 body	10: Two units (Regulator+Lubricator) 00: Others	2000 01: 1/8" 02: 1/4" 3000 02: 1/4" 03: 3/8"	Blank: Manual drain type D: Auto Drain type (Available only for 3000 or bigger body size)	4000 03: 3/8" 04: 1/2" 06: 3/4" 5000 06: 3/4" 10: 1"	Blank: With pressure gauge N: No pressure gauge	Blank: With bracket J: No bracket	Blank: 25 μm 5M: 5 μm	Blank: G P: PT T: NPT
							4: Mpa/Psi (Default) 5: Bar/Pai			

Order Example:

HNE series three units, 2000 body size, 1/8" thread size, manual drain type, with bracket, Mpa/Pai pressure gauge, 25 μm filter precision, G thread, ERP code is: HNEC2000-01-4

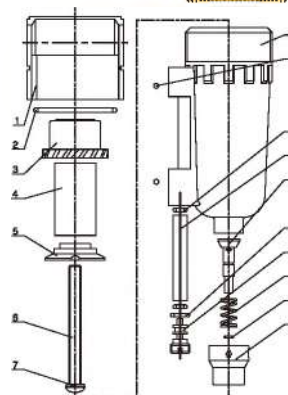
Air Preparation Unit Kits

HNER



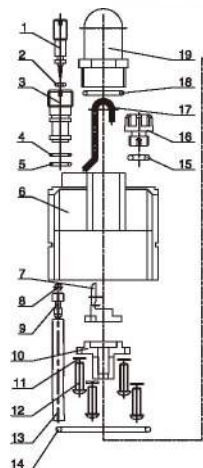
NO.	NAME	QTY	MATERIAL
26	Regulate handle	1	Reinforce nylon
25	Symbol ring	1	Reinforce nylon
24	Nut	1	Reinforce nylon
23	Cross screw	4	Carbon steel
22	Spring washer	4	Carbon steel
21	Valve cover	1	Reinforce nylon
20	Regulate bolt	1	Carbon steel
19	Washer	1	PCM
18	Regulate Nut	1	Carbon steel
17	Spring	1	Carbon steel
16	Spring seat	1	Carbon steel
15	Diaphragm	1	NBR
14	Diaphragm seat	1	Brass
13	Pipe	1	PCM
12	Retainer ring	1	Carbon steel
11	O-ring	1	NBR
10	Plug	1	Carbon steel
9	Regulate Body	1	Aluminum
8	Spool	1	Brass/NBR
7	Valve core	1	Brass
6	Retainer ring	1	Carbon steel
5	Spring	1	Stainless steel
4	Washer	1	Carbon steel
3	O-ring	1	NBR
2	O-ring	1	NBR
1	Regulator seat	1	ZnAl-1

HNEF



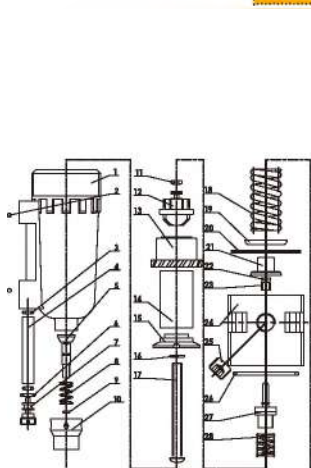
NO.	NAME	QTY	MATERIAL
17	Knob	1	PCM
16	O-ring	1	NBR
15	Spring	1	Stainless steel
14	Plug	1	Brass
13	O-ring	1	NBR
12	Drain valve	1	Brass
11	Glass pipe	1	Glass
10	O-ring	2	NBR
9	Steel Ball	2	Carbon steel
8	Metal bowl	1	Aluminum
7	Spring washer	1	Carbon steel
6	Cross screw	1	Carbon steel
5	Drain board	1	ABS
4	Filter Element	1	Brass
3	Whirling blade	1	ABS
2	O-ring	1	NBR
1	Regulate Body	1	Aluminum

HNEL



NO.	NAME	QTY	MATERIAL
25	Plug	1	Brass
24	O-ring	1	NBR
23	Glass pipe	1	Glass
22	O-ring	2	NBR
21	Metal bowl	1	Aluminum
20	Steel Ball	2	Carbon steel
19	Oil drop tube	1	Polycarbonate
18	O-ring	1	NBR
17	Oil drop tube	1	Brass
16	Plug	1	ABS
15	O-ring	1	NBR
14	O-ring	1	NBR
13	Oil tube	1	PU
12	Cross screw	4	Carbon steel
11	Spring Washer	4	Carbon steel
10	One way valve seat	1	PCM
9	Filling	1	Brass
8	Steel Ball	1	Carbon steel
7	Ball	1	Polycarbonate
6	Lubricator body	1	Aluminum
5	O-ring	1	NBR
4	O-ring	1	NBR
3	Oil regulate valve seat	1	Brass
2	O-ring	1	NBR
1	Oil regulate valve	1	Brass

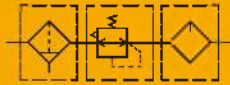
HNEW



NO.	NAME	QTY	MATERIAL
25	Regulate handle	1	Reinforce nylon
24	Nut	1	Reinforce nylon
23	Cross screw	4	Carbon steel
22	Spring washer	4	Carbon steel
21	Valve cover	1	Reinforce nylon
20	Bolt	1	Carbon steel
19	Nut	1	Carbon steel
18	Spring	1	Stainless steel
17	Valve core	1	Brass/NBR
16	O-ring	1	NBR
15	Plug	1	Carbon steel
14	Valve body	1	ADC12
13	Bushing	1	PCM
12	Rubber pad	1	NBR
11	Diaphragm seat	1	ZnAl-1
10	Diaphragm	1	NBR
9	Diaphragm Pad	1	Carbon steel
8	Spring	1	Carbon steel
7	Cross screw	1	Carbon steel
6	Spring washer	1	Carbon steel
5	Drain board	1	ABS
4	Filter Element	1	Brass
3	Whirling blade	1	ABS
2	Oil regulate valve seat	1	ZnAl-1
1	O-ring	1	NBR
0	Knob	1	PCM
9	O-ring	1	NBR
8	Spring	1	Stainless steel
7	Plug	1	Brass
6	O-ring	1	NBR
5	Drain valve	1	Brass
4	Glass pipe	1	Glass
3	O-ring	2	NBR
2	Steel Ball	2	Carbon steel
1	Metal bowl	1	Aluminum

HNE Series Air Preparation Unit

HNE
F.R.L



Specifications

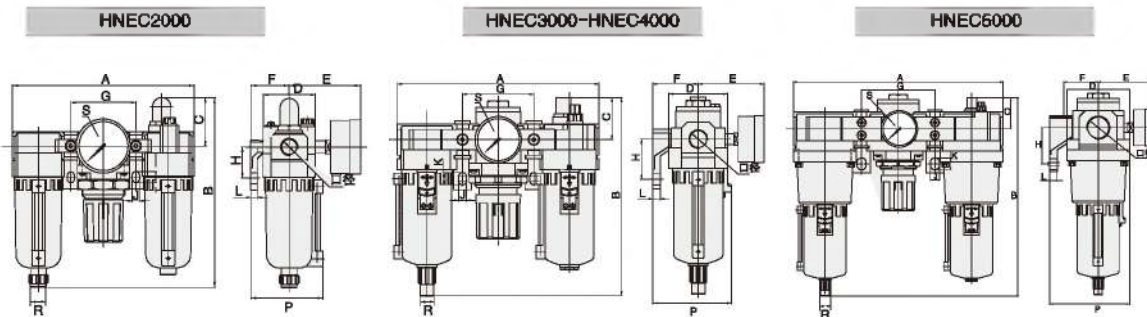
Model	HNEC2000	HNEC3000	HNEC4000	HNEC5000
Proof pressure(MPa)			1.5	
Max. working pressure(MPa)			1.0	
Working temperature(°C)			5-60	
Filter precision			25µm (5µm is optional)	
Recommended oil			Turbine No.1 Oil ISOVG32	
Bowl material			Aluminum die-casting	
Bowl guard			Available	
Entrance pressure(MPa)			0.15-1.0	
Pressure adjusting range (MPa)			0.15-0.85	
Valve type			With overflow	

Model	Specifications							Accessories
	Assembly			* Rated flow(L/min)	* Port size (G)	Pressure gauge thread size (G)	Weight(kg)	Bracket
	Filter	Regulator	Lubricator					
HNEC2000-01				1000	1/8			
HNEC2000-02	HNEF2000	ER2000	HNEL2000	1100	1/4	1/8	0.74	Y20L
HNEC2500-02	HNEF3000	ER2500	HNEL3000	1500	1/4			
HNEC2500-03				1500	3/8	1/8	1.04	Y30L
HNEC3000-02	HNEF3000	ER3000	HNEL3000	1950	1/4			
HNEC3000-03				2105	3/8	1/8	1.18	Y30L
HNEC4000-03	HNEF4000	ER4000	HNEL4000	4850	3/8			
HNEC4000-04				5200	1/2	1/4	2.14	Y40L
HNEC4000-06	HNEF4000-06	ER4000-06	HNEL4000-06	5800	3/4	1/4	2.47	Y50L
HNEC5000-06	HNEF5000	ER5000	HNEL5000	8200	3/4			
HNEC5000-10				8500	1	1/4	3.82	Y60L

* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure

* NPT, PT port size is optional

Main Dimension



Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	P	R	S
HNEC2000	1/8"-1/4"	140	147	38	40	56.8	30	50	24	5.5	8.5	5	56	φ6	G1/8
HNEC3000	1/4"-3/8"	181	178	38	53	60.8	41	64	35	7	11	7	70.5	φ8	G1/8
HNEC4000-04	1/2"	238	207	41	70	65.5	50	84	40	9	13	7	87.5	φ8	G1/4
HNEC4000-06	3/4"	253	208.5	40.5	70	69.5	50	89	40	9	13	7	87.5	φ8	G1/4
HNEC5000	3/4"-1"	300	287	48	90	75.5	69.8	105	50	12	16	10.5	115	φ8	G1/4

HNE Series Air Preparation Unit

HNE
FR.L



Specifications

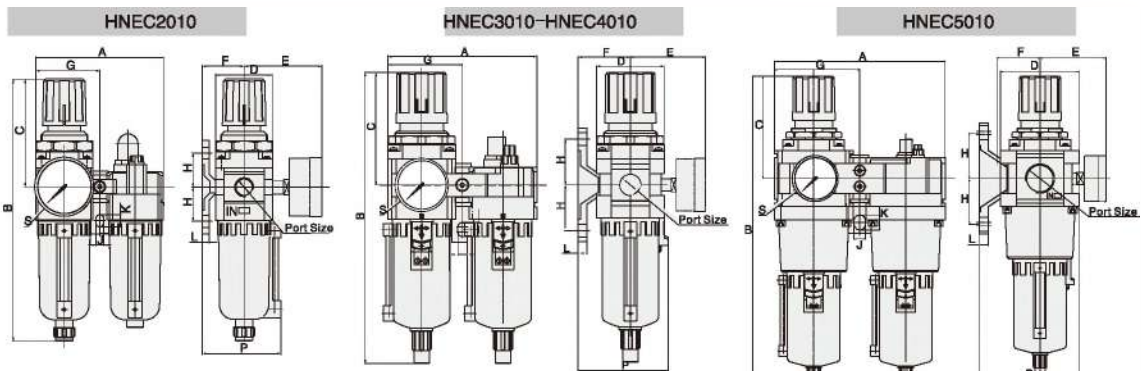
Model	HNEC2010	HNEC3010	HNEC4010	HNEC5010
Procl. pressure(MPa)			1.5	
Max. working pressure (MPa)			1.0	
Working temperature(°C)			5-60	
Filter precision			25µm (5µm is optional)	
Recommended oil			Turbine No.1 Oil ISOVG32	
Bowl material			Aluminum die-casting	
Bowl guard			Available	
Entrance pressure(MPa)			0.15-1.0	
Pressure adjusting range(MPa)			0.15-0.85	
Valve type			With overflow	

Model	Specifications					Accessories	
	Assembly		* Rated flow(L/min)	* Port size (G)	Pressure gauge thread size (G)	Weight(kg)	Bracket
Filter with pressure reducer	Lubricator						
HNEC2010-01	HNEW2000	HNEL2000	945	1/8	1/8	0.66	Y20T
HNEC2010-02			960	1/4			
HNEC3010-02	HNEW3000	HNEL3000	1874	1/4	1/8	0.98	Y30T
HNEC3010-03			1956	3/8			
HNEC4010-03	HNEW4000	HNEL4000	4923	3/8	1/4	1.93	Y40T
HNEC4010-04			5120	1/2			
HNEC4010-06	HNEW4000-06	HNEL4000-06	5000	3/4	1/4	1.99	Y50T
HNEC5010-06	HNEW5000	HNEL5000	6000	3/4	1/4	3.20	Y60T
HNEC5010-10			6200	1			

* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure

* NPT, PT port size are available

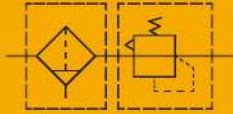
Main Dimension



Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	P	S
HNE2010	1/8"-1/4"	90	186.5	78	40	56.8	30	45	24	5.5	8.5	5	56.0	G1/8
HNE3010	1/4"-3/8"	117	232.5	92.5	53	60.8	41	58.5	35	7	11	7	69.5	G1/8
HNE4010-04	1/2"	154	277	112	70	65.5	50	77	40	9	13	7	87.5	G1/4
HNE4010-06	3/4"	164	282.5	114	70	69.5	50	82	40	9	13	7	87.5	G1/4
HNE5010	3/4"-1"	195	353.5	116	90	75.5	69.8	97.5	50	12	16	10.5	115	G1/4

HNEW Series Air Preparation Unit

HNEW
F&R



Specifications

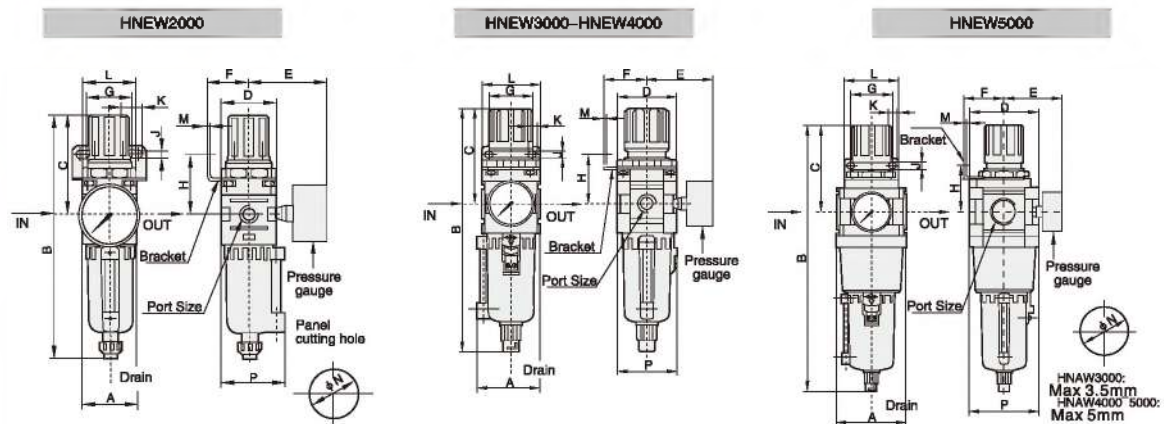
Model	HNEW2000	HNEW3000	HNEW4000	HNEW5000
Proof pressure(MPa)			1.5	
Max. working pressure (MPa)			1.0	
Working temperature(°C)			5-60	
Filter precision		25 μm (5μm is optional)		
Bowl material		Aluminum die-casting		
Bowl guard		Available		
Entrance pressure(MPa)		0.15-1.0		
Pressure adjusting range(MPa)		0.15-0.85		
Valve type		With overflow		

Model	Specifications				Accessories	Drain function	Auto drain model
	Rated flow (L/min)	Port size (G)	Pressure gauge thread size (G)	Weight (kg)			
HNEW2000-01	1078	1/8	1/8	0.28	B220	Manual drain	HNEW2000-01D
HNEW2000-02	1165	1/4					HNEW2000-02D
HNEW3000-02	1988	1/4	1/8	0.55	B320	Zero pressure drain /Manual drain	HNEW3000-02D
HNEW3000-03	2177	3/8					HNEW3000-03D
HNEW4000-03	5108	3/8	1/4	1.16	B420	Zero pressure drain /Manual drain	HNEW4000-03D
HNEW4000-04	5211	1/2					HNEW4000-04D
HNEW4000-06	5750	3/4	1/4	1.2	B420	Zero pressure drain /Manual drain	HNEW4000-06D
HNEW5000-06	6200	3/4					HNEW5000-06D
HNEW5000-10	6400	1	1/4	1.79			HNEW5000-10D

* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure

* NPT, PT port size is optional

Main Dimension



Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	M	P
HNEW2000	1/8"~1/4"	40	186.5	78	40	56.8	30	34	43.5	5.4	15.4	55	2.3	46
HNEW3000	1/4"~3/8"	57.5	232.5	92.5	53	60.8	39	40	46	6.5	8	53	2.3	55
HNEW4000	3/8"~1/2"	74	278	112	70	70.5	49.2	54	53.5	8.5	10.5	70	2.3	72.5
HNEW4000-06	3/4"	76.5	282	114	70	70.5	49.2	54	55.5	8.5	10.5	70	2.3	72.5
HNEW5000	3/4"~1"	90	355	116	90	75.5	49.2	54	62	8.5	10.5	70	2.3	90

HNEF Series Air Preparation Unit

HNEF Filter



Specifications

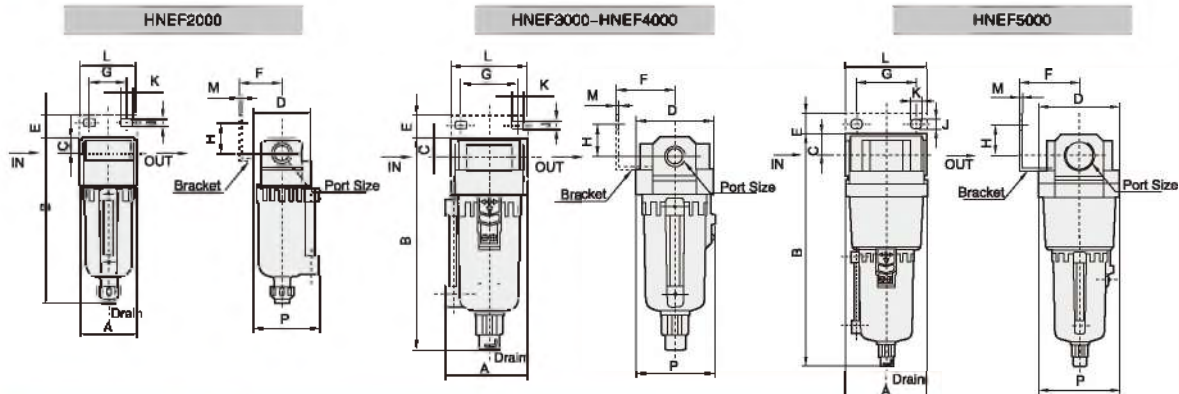
Model	HNEF2000	HNEF3000	HNEF4000	HNEF5000
Proof pressure(MPa)			1.5	
Max. working pressure(MPa)			1.0	
Working temperature(°C)			5-60	
Filter precision		25 µm (5µm is optional)		
Bowl material		Aluminum die-casting		
Bowl guard		Available		
Entranca pressão(MPa)		0.15-1.0		

Model	Specifications				Accessories	Drain function	Auto drain model
	Rated flow (L/min) *	Port size (G)	Bowl capacity (CM ³)	Weight (kg)	Bracket		
HNEF2000-01	1222	1/8	15	0.17	B240	Manual drain	HNEF2000-01D
HNEF2000-02	1278	1/4					HNEF2000-02D
HNEF3000-02	2006	1/4	20	0.29	B340	Zero pressure drain /Manual drain	HNEF3000-02D
HNEF3000-03	2148	3/8					HNEF3000-03D
HNEF4000-03	5120	3/8					HNEF4000-03D
HNEF4000-04	5430	1/2	45	0.53	B440		HNEF4000-04D
HNEF4000-06	7680	3/4					HNEF4000-06D
HNEF5000-06	8200	3/4	130	1.05	B640		HNEF5000-06D
HNEF5000-10	8500	1					HNEF5000-10D

* The above information is based on 6.3 Bar supply pressure and 1.0 Bar set pressure

* NPT, PT port size is optional

Main Dimension



Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	M	P
HNEF2000	1/8" 1/4"	40	119.5	11	40	17	30	27	22	5.4	8.4	40	2.3	46
HNEF3000	1/4" 3/8"	57.5	154	14	53	16	41	40	23	6.5	8	53	2.3	55
HNEF4000	3/8" 1/2"	74	184	18	70	17	50	54	26	8.5	10.5	70	2.3	72.5
HNEF4000-06	3/4"	76.5	188	20	70	14	50	54	25	8.5	10.5	70	2.3	72.5
HNEF5000	3/4" 1"	90	263	24	90	23	66.5	66	35	11	13	90	3.2	90

HNEL Series Air Preparation Unit

HNEL
Lubricator



Specifications

Model	HNEL2000	HNEL3000	HNEL4000	HNEL5000
Proof pressure(MPa)	1.5			
Max. working pressure(MPa)	1.0			
Working temperature(°C)	5-60			
Recommended oil	Turbine No.1 Oil ISOVG32			
Bowl material	Aluminum die-casting			
Bowl guard	Available			
Entrance pressure(MPa)	0.15-1.0			
Valve type	With overflow			

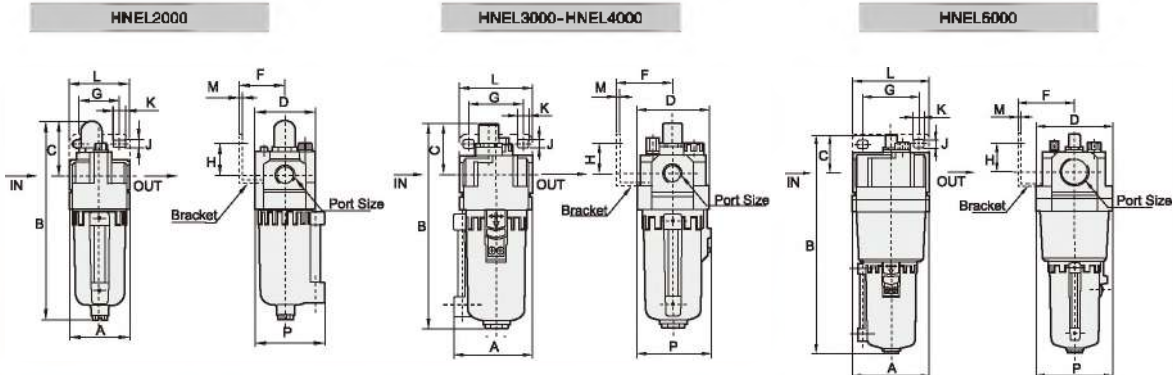
Model	Specifications					Accessories
	Minimal flow of oil drop (L/min)	*Rated flow (L/min)	* Port size (G)	Bowl capacity (cm ³)	Weight (kg)	Bracket
HNEL2000-01	15	1300	1/8	25	0.17	B240
HNEL2000-02		1450	1/4			
HNEL3000-02	30	2310	1/4	50	0.30	B340
HNEL3000-03	40	2375	3/8			
HNEL4000-03	40	5321	3/8	130	0.53	B440
HNEL4000-04	50	5532	1/2			
HNEL4000-06	50	6700	3/4	130	0.59	B540
HNEL5000-06	190	7700	3/4	130	1.13	B640
HNEL5000-10		8000	1			

*The above information is based on 6.3Bar supply pressure, the flow of oil drop is 2-3 drops/min, the temperature of Turbine No.1 oil is 20°C

*The above information is based on 6.3Bar supply pressure and 1.0Bar step down

*NPT, PT port size is optional

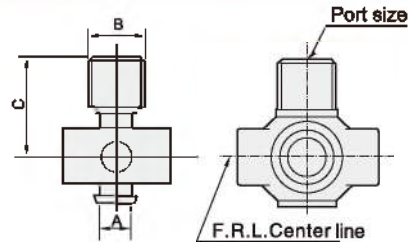
Main Dimension



Model	Port Size (G)	A	B	C	D	F	G	H	J	K	L	M	P
HNEL2000	1/8" 1/4"	40	137	38	50	30	27	22	5.4	8.4	40	2.3	40
HNEL3000	1/4" 3/8"	57.4	154.5	38	53	41	40	23	6.5	8	53	2.3	55
HNEL4000	3/8" 1/2"	74	185.5	41	70	50	54	26	8.5	10.5	70	2.3	72.5
HNEL4000-06	3/4"	76.5	185.5	39	70	50	54	25	8.5	10.5	70	2.3	72.5
HNEL5000	3/4" 1"	90	262.5	45	90	66.5	66	35	11	13	90	3.2	90

Accessory

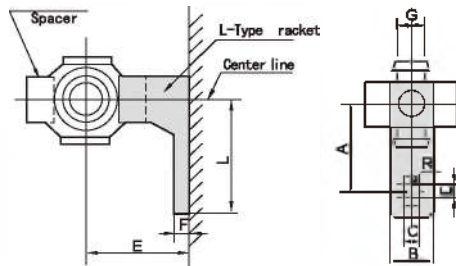
Accessory



T-Type Spacer

Model	*Port Size (G)	A	B	C	Applicable Model
Y21-01	G1/8	10	19	29	EC2000
Y21-02	G1/4				
Y31-01	G1/8	11	19	33	EC3000
Y31-02	G1/4				
Y41-02	G1/4	14	24	39	EC4000
Y41-03	G3/8				
Y81-03	G3/8	15	30	50.5	EC5000
Y81-04	G1/2				

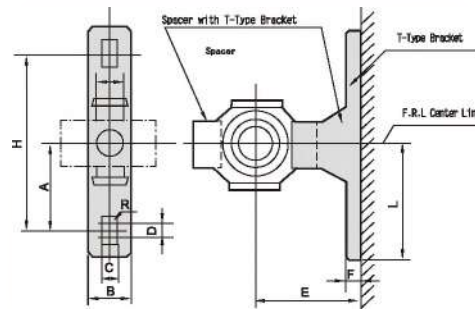
*NPT, PT port size is optional



L-Type Bracket Spacer with L-Type Bracket

L-Type Bracket	Spacer with L-Type Bracket	A	B	C	D	E	F	G	R	L	Applicable Model
B110L	Y10L	20	12	4.5	3	25	5	8	2.25	27	EC1000
B210L	Y20L	24	15	5.5	3	30	5	10	2.75	33	EC2000
B310L	Y30L	35	16	7	4	41	7	11	3.5	45	EC2500-EC3000
B410L	Y40L	40	22	9	4	50	7	14	4.5	50	EC4000
B510L	Y50L	40	22	9	4	50	7	14	4.5	50	EC4000-06
B610L	Y60L	50	23	12	4	69.8	10.5	15	6	63	EC5000
IB210L	IY20L	24	15	5.5	3	30	5	10	2.75	33	EIC2000
ILB310L	ILY30L	35	16	7	4	41	7	11	3.5	45	Connect EIC3000 filter and regulator
IRB310L	IRY30L	35	16	7	4	41	7	11	3.5	45	Connect EIC3000 regulator and lubricator

*EIC4000/5000 adopts EC series corresponding model.



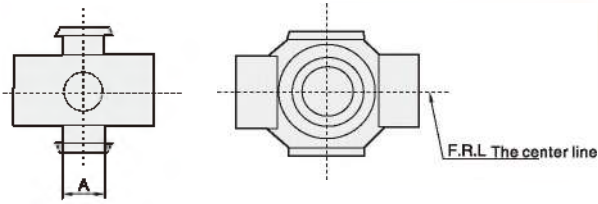
T-Type Bracket Spacer with T-Type Bracket

T-Type Bracket	Spacer with T-Type Bracket	A	B	C	D	E	F	G	H	R	L	Applicable Model
B110T	Y10T	20	12	4.5	3	25	5	8	40	2.25	27	EC1010
B210T	Y20T	24	15	5.5	3	30	5	10	48	2.75	33	EC2010
B310T	Y30T	35	16	7	4	41	7	11	70	3.5	45	EC3010
B410T	Y40T	40	22	9	4	50	7	14	80	4.5	50	EC4010
B510T	Y50T	40	22	9	4	50	7	14	80	4.5	50	EC4010-06
B610T	Y60T	50	23	12	4	69.8	10.5	15	100	6	63	EC5010
IB210T	IY20T	24	15	5.5	3	30	5	10	48	2.75	33	EIC2010
IRB310T	IY30T	35	16	7	4	41	7	11	70	3.5	45	EIC3010

*EIC4000/5000 adopts EC series corresponding model.

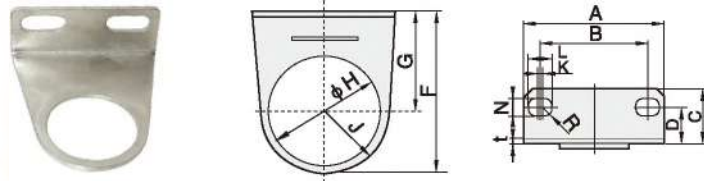
Accessory

Y-Type Spacer



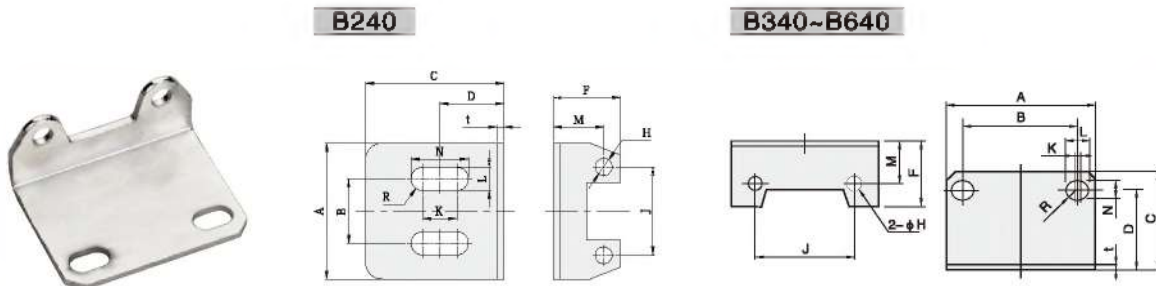
Model	A	Applicable model
Y10	8	EC1000
Y20	10	EC2000
Y30	11	EC2500-3000
Y40	14	EC4000
Y50	14	EC4000-06
Y60	15	EC5000

20-Type Bracket



Model	A	B	C	D	F	G	φH	J	K	L	N	R	t	Applicable model
B120	40	28	17	11	37.8	25	20	12.3	2	6.5	4.5	2.25	2	ER/EW 1000
B220	55	33.5	24	18	50.5	30.5	33	20	10	15	5.4	2.7	2	ER/EW 2000, ER2500
B320	53	40	22	14	64	39	42	25	1.5	8	6.5	3.25	2	ER/EW 3000
B420	70	53.5	27	18	78.5	46.2	52	30	2	10.5	6.5	4.25	2	ER4000 5000 EW4000 5000

20-Type Bracket



Model	A	B	C	D	F	φH	J	K	L	M	N	R	t	Fixing screw	Applicable model
B240	40	19	41	19	20	5	26	10.2	6.8	15	17	3.4	2	M4x8	EF/EL2000
B340	53	40	38	31.2	23	4.6	35	1.5	8	19	6.5	3.25	2	M4x8	EF/EL3000
B440	70	54	49	40	30	5.5	47	2	10.5	18.4	6.5	4.25	2	M5x10	EF/EL4000
B540	70	54	49	40	30	5.5	47	2	10.5	21.6	8.5	4.25	2	M5x10	EF/EL4000-06
B640	90	66	64	52	43	6.5	60	2	13	29	11	5.5	2	M6x10	EF/EL5000

HED402

Auto Drain



HED402 Auto Drain

◎ Purpose

This product often applies to the low places of auto-remove piping, frozen type air drying machine, oil separator, air storage tank and the bottom of various air filters. It can be installed in the places which are not convenient for manual discharge of sewage, such as high, low, narrow places. Especially, it can be installed in the places with large consumption of air or frequent drain times, to prevent the compressed air to be re-polluted by condensed water resulting from the neglect of manual drain.

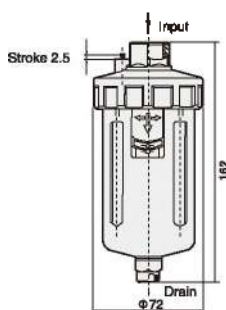
◎ Features

Auto drain/ Zero pressure drain/ The water cup with

◎ Attention

The drainer should be installed vertically and the port should face down, when using.

◎ Main Dimension



Model	HED402-02	HED402-03	HED402-04
Working medium	Compressed air		
Working pressure (MPa)	0.15~1.0		
Guaranteed pressure resistance (MPa)	1.5		
Working temperature (°C)	5~60		
Port size	G1/4	G3/8	G1/2
Drain port size	G1/8		
Drain status	Normal open		

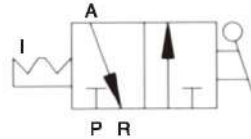
EVSH Series 3/2 way Pressure Relief Valve

EVSH

Pressure Relief Valve (3/2)



EVSH



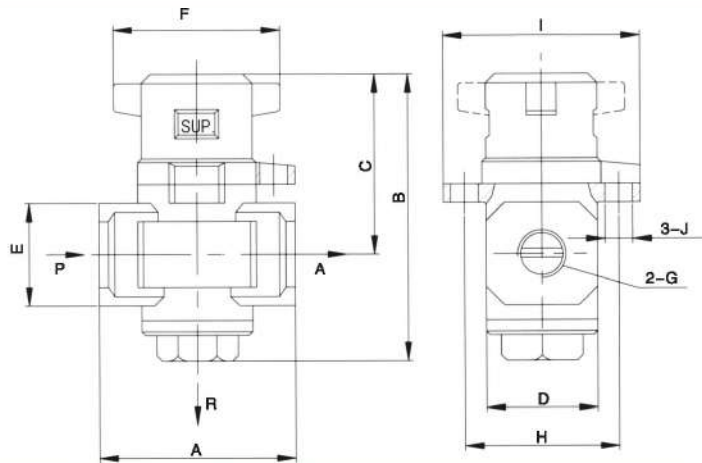
How to Order?

Series No.	Body Size	Port Size	Thread Type
EVSH Series	2000: 2000 Body 3000: 3000 Body 4000: 4000 Body	01: 1/8" 02: 1/4" 03: 3/8" 04: 1/2"	Blank: G P: PT

Order Example:

EVSH series 3/2 way check valve, 2000 body size, 1/4" body size, PT thread, ERP code is: EVSH2000-02-P

Main Dimension



Model	G	Exhaust port	A	B	C	D	E	F	H	I	J
EVSH2000-01	1/8	1/8	40	59	39	28	22	40	32	41	Φ6
EVSH2000-02	1/4	1/8	40	59	39	28	22	40	32	41	Φ6
EVSH3000-02	1/4	1/4	53	78	49	30	28	45	41.5	53	Φ7.5
EVSH3000-03	3/8	1/4	53	78	49	30	28	45	41.5	53	Φ7.5
EVSH4000-03	3/8	3/8	70	84	52	36	36	45	41.5	53	Φ7.5
EVSH4000-04	1/2	3/8	70	84	52	36	36	45	41.5	53	Φ7.5

FEO Series Mini Air Preparation Unit

FEO



How to Order?

Series No.	Type Code	Port Size	Regulate Range	Filter Precision	Pressure Gauge Code	Regulator Type	Body Dimension	Drain Type
FE	C: Filter+regulator+lubricator CS: Filter+regulator+lubricator (With lock) W: Filter+regulator WS: Filter+regulator (With lock) F: Filter R: Regulator RS: Regulator(With lock) L: Lubricator	M5: M5 M7: M7 Qs4: Push-in fitting QS4 Qs6: Push-in fitting QS6 01: G1/8" 02: G1/4" 03: G3/8" 04: G1/2" 06: G3/4" 10: G1"	Blank: 0.5~12 bar 7: 0.5~7 bar	Blank: 40 μm 5M: 5 μm	Blank: With pressure gauge N: No pressure gauge	D1: Directly actuate pressure regulator with integrated return flow function (FEC and MAXI size only)	MICRO: Body dimension 25mm MINI: Body dimension 40mm MIDI: Body dimension 55mm MAXI: Body dimension 66mm (All without Connecting Plates)	Blank: Manual Drain H: Semi-Autodrain A: Full-Autodrain

Order Example:

FE series filter+regulator, 1/8 port size, pressure regulate range 0.5~12 bar, 40 μm filter precision, body dimension 40mm, manual drain, ERP code is: FEC-01 MINI

Specifications

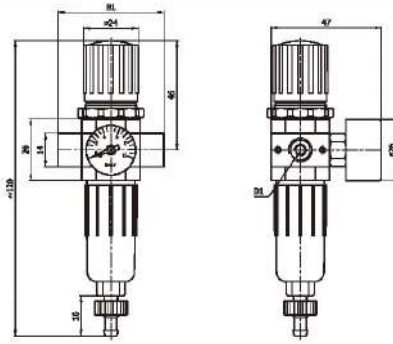
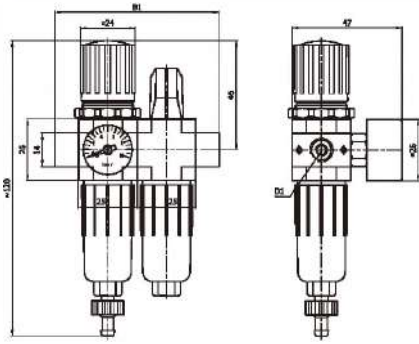
Working medium	Compressed air				
Structural characteristics	Direct acting diaphragm regulator, no inner air loss; With sintered filter and adjustable lubricator				
Installation	Pipe or bracket installation				
Installation position	Vertical ±5°				
Connecting dimensions	Female thread connection		The connecting plate		
	M5	M7	M7	1/8	
Standard rated flow	FEOC	90	130	170	140
	FEOW	120	280	300	410
	FEOR	120	300	320	450
	FEOF	170	280	280	280
	FEOL	200	430	380	410
The input pressure(MPa)	0~1.0				
Working pressure(MPa)	0.05~0.7				
Minimum mist flow	31/min				
Filter accuracy (μ m)	5				
The maximum gelation capacity	6.5cm ³				
Temperature range (°C)	0~60				
Material Science	Body: Aluminum ; Filter bowl and lubricator bowl: PC, Seal: NBR, Regulator nut: POM				

FEO Series Mini Air Preparation Unit

Main Dimension

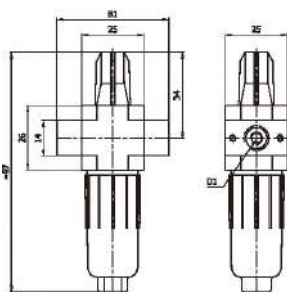
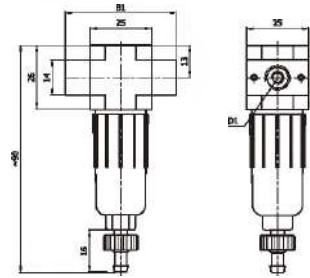
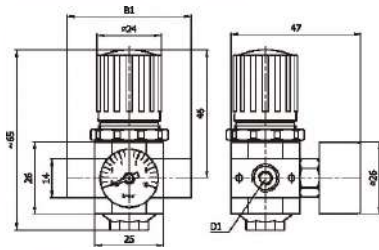
Model	B1	D1
FEOC-M5	50	M5
FEOC-M7		M7
FEOC-M7	70	M7
FEOC-01		1/8

Model	B1	D1
FEOW-M5	25	M5
FEOW-M7		M7
FEOW-M7	45	M7
FEOW-01		1/8



Model	B1	D1
FEOR-M5	25	M5
FEOR-M7		M7
FEOR-M7	45	M7
FEOR-01		1/8

Model	B1	D1
FEOF-M5	25	M5
FEOF-M7		M7
FEOF-M7	45	M7
FEOF-01		1/8



Model	B1	D1
FEOL-M5	25	M5
FEOL-M7		M7
FEOL-M7	45	M7
FEOL-01		1/8

AE/BE Series Air Preparation Unit

AEC/BEC

F.R.L



How to Order?

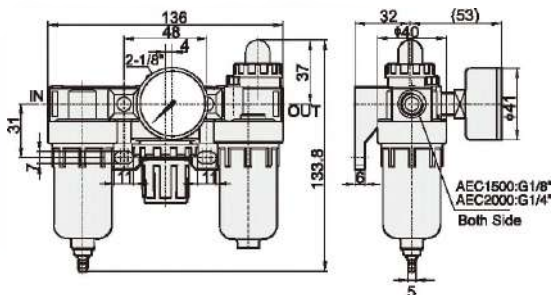
Series No.	Type Code	Body Size	Pressure Gauge Code	Bracket Code	Scale Unit	Thread Type
AE: Small body size without bowl guard BE: Larger body size with bowl guard	C: Filter+regulator+lubricator	1500: 1/8" 2000: 1/4" 3000: 3/8" 4000: 1/2"	Blank: With pressure gauge N: No pressure gauge	Blank: With bracket J: No bracket	4: Mpa/Psi(Default) 5: Bar/Psi	Blank: G P: PT T: NPT

Order Example:

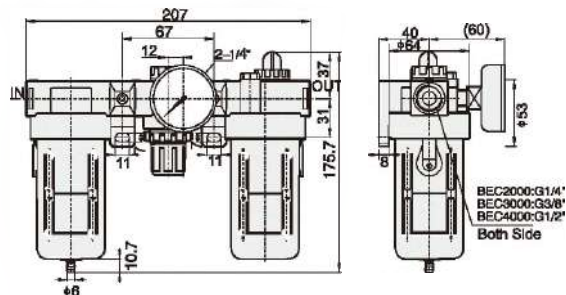
AE series three units, 1/4" body size, Mpa/Psi pressure scale unit, PT thread, ERP code is: AEC2000-4-P

Main Dimension

AEC 1500 / 2000



BEC 2000 - 4000



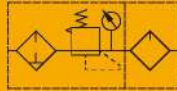
Specifications

Model	AEC1500	AEC2000	BEC2000	BEC3000	BEC4000	
Working medium	air					
Port size	G1/8	G1/4	G1/4	G3/8	G1/2	
Filter precision	40µm (5, 40µm is optional)					
Adjusting pressure range (MPa)	0.15-0.85					
Max. adjusting pressure (MPa)	1.0					
Guaranteed pressure (MPa)	1.5					
Working temperature(°C)	5-60					
Filter bowl capacity (CC)	15			60		
Lubricator bowl capacity (CC)	25			90		
Recommend oil	ISO VG32 or equivalent oil					
Weight (g)	700		900			
Components	Filter	AEF1500	AEF2000	BEF2000	BEF3000	BEF4000
	Regulator	AER1500	AER2000	BER2000	BER3000	BER4000
	Lubricator	AEL1500	AEL2000	BEL2000	BEL3000	BEL4000

AEFC/BEFC Series Air Preparation Unit

AEFC/BEFC

FR.L



How to Order?

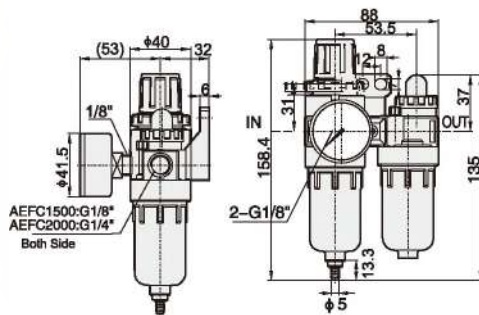
Series No.	Type Code	Body Size	Pressure Gauge Code	Bracket Code	Scale Unit	Thread Type
AE: Small body size without bowl guard BE: Larger body size with bowl guard	FC: Filter & Regulator +lubricator	1500: 1/8" 2000: 1/4" 3000: 3/8" 4000: 1/2"	Blank: With pressure gauge N: Without pressure gauge	Blank: With bracket J: Without bracket	4: Mpa/Psi (Default) 5: Bar/Psi	Blank: G P: PT T: NPT

Order Example:

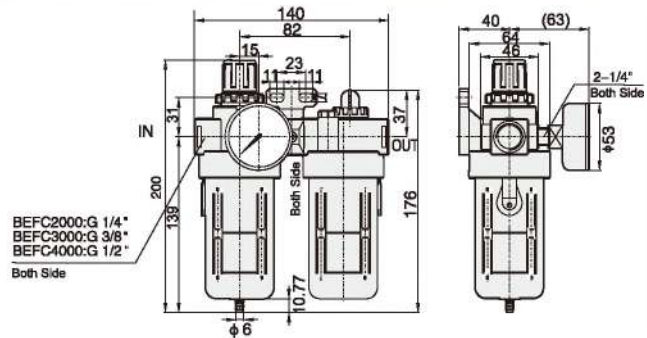
AE series two units, 1/4" body size, Mpa/Psi pressure scale unit, PT thread, ERF code is: AEFC2000-4-P

Main Dimension

AEFC1500/2000



BEFC2000-4000



Specifications

Model	AEFC1500	AEFC2000	BEFC2000	BEFC3000	BEFC4000	
Working medium	air					
Port size	G1/8	G1/4	G1/4	G3/8	G1/2	
Filter precision	40 μm (5, 40 μm is optional)					
Adjusting pressure range (MPa)	0.15-0.85					
Max. adjusting pressure (MPa)	1.0					
Guaranteed pressure (MPa)	1.5					
Working temperature (°C)	5-60					
Filter bowl capacity (CC)	15		60			
Lubricator bowl capacity (CC)	25		90			
Recommend oil	ISO VG32 or equivalent oil					
Weight (g)	500			700		
Components	Filter, Regulator	AEFR1500	AEFR2000	BEFR2000	BEFR3000	BEFR4000
	Lubricator	AEL1500	AEL2000	BEL2000	BEL3000	BEL4000

AEFR/BEFR Series Air Preparation Unit

AEFR/BEFR



How to Order?

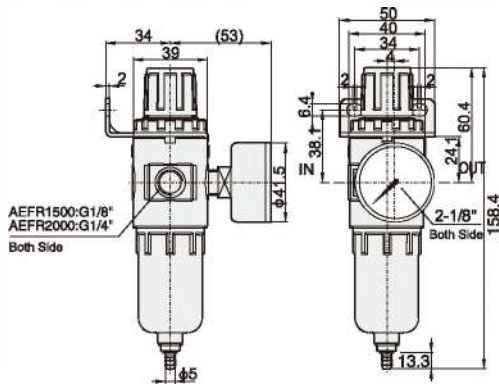
Series No.	Type Code	Body Size	Pressure Gauge Code	Bracket Code	Scale Unit	Thread Type
AE: Small body size without bowl guard BE: Larger body size with bowl guard	FR: Regulator+Filter	1500: 1/8" 2000: 1/4" 3000: 3/8" 4000: 1/2"	Blank: With pressure gauge N: No pressure gauge	Blank: With bracket J: No bracket	4: Mpa/Psi(Default) 5: Bar/Psi	Blank: G P: PT T: NPT

Order Example:

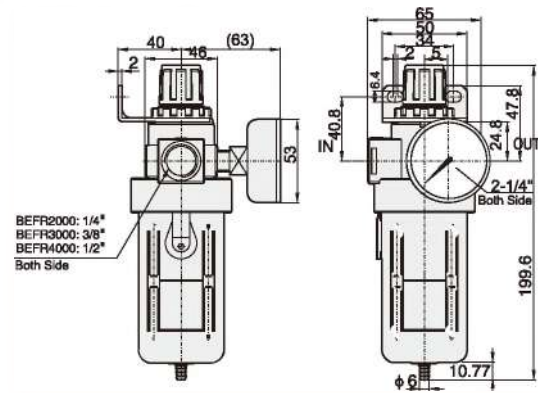
AE series Filter+regulator, 1/4" body size, Mpa/Psi pressure scale unit, PT thread, ERP code is: AEFR2000-4-P

Main Dimension

AEFR1500/2000



BEFR2000-4000



Specifications

Model	AEFR1500	AEFR2000	BEFR2000	BEFR3000	BEFR4000
Working medium	air				
Port size	G1/8	G1/4	G1/4	G3/8	G1/2
Filter precision	40 μm (5, 60 μm is optional)				
Adjusting pressure range (MPa)	0.15-0.85				
Max. adjusting pressure (MPa)	1.0				
Guaranteed. pressure (MPa)	1.5				
Working temperature(°C)	5-80				
Filter bowl capacity (CC)	15		80		400
Weight (g)	280		400		

AEF/BEF Series Air Preparation Unit

AEF/BEF Filter



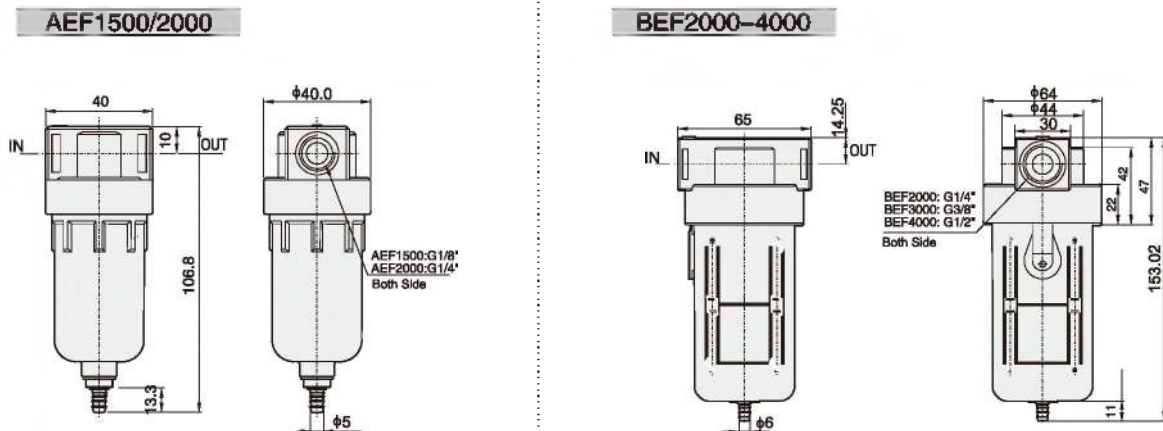
How to Order?

Series No.	Type Code	Body Size	Bracket Code	Thread Type
AE: Small body size without bowl guard	F: Filter	1500: 1/8"	Blank: With bracket	Blank: G
BE: Larger body size with bowl guard		2000: 1/4"	J: No bracket	P: PT
		3000: 3/8"		T: NPT
		4000: 1/2"		

Order Example:

AE series filter, 1/4" body size, with bracket, PT thread, ERP code is: AEF2000-P

Main Dimension



Specifications

Model	AEF1500	AEF2000	BEF2000	BEF3000	BEF4000
Working medium	air				
Port size	G1/8	G1/4	G1/4	G3/8	G1/2
Filter precision	40 μ m (5, 50 μ m is optional)				
Working pressure (MPa)	0.16-1.0				
Guaranteed pressure (MPa)	1.5				
Working temperature (°C)	6-80				
Filter bowl capacity (CC)	15		60		
Weight (g)	140		330		

AEL/BEL Series Air Preparation Unit

AEL/BEL Lubricator



How to Order?

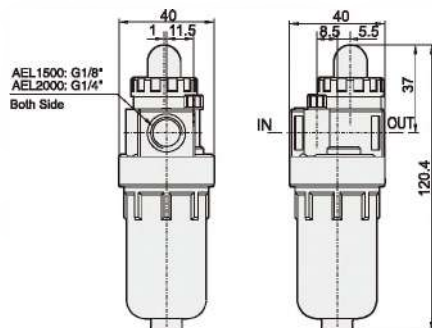
Series No.	Type Code	Body Size	Bracket Code	Thread Type
AE: Small body size without bowl guard BE: Larger body size with bowl guard	L: Lubricator	1500: 1/8" 2000: 1/4" 3000: 3/8" 4000: 1/2"	Blank: With bracket J: No bracket	Blank: G P: PT T: NPT

Order Example:

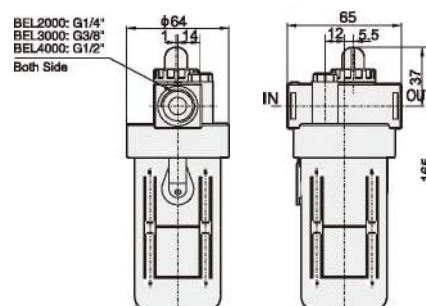
AE series Lubricator, 1/4" body size, with bracket, PT thread, ERP code is: AEL 2000-P

Main Dimension

AEL1500/2000



BEL2000-4000



Specifications

Model	AEL1500	AEL2000	BEL2000	BEL3000	BEL4000
Working medium	air				
Port size	G1/8	G1/4	G1/4	G3/8	G1/2
Guaranteed pressure resistance(MPa)	1.5				
Working temperature(°C)	5-80				
Lubricator bowl capacity	25CC		90CC		
Recommend oil	ISO VG32 or equivalent oil				
Weight (g)	170g		250g		

AER/BER Series Air Preparation Unit

AER/BER Regulator



How to Order?

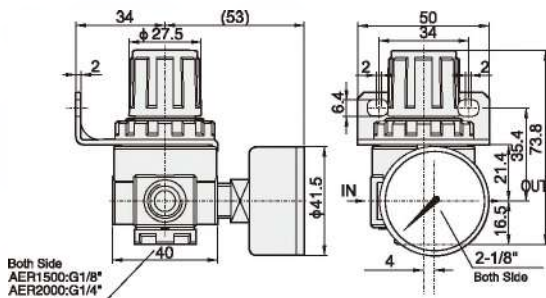
Series No.	Type Code	Body Size	Pressure Gauge Code	Bracket Code	Scale Unit	Thread Type
AE: Small body size without bowl guard BE: Larger body size with bowl guard	R: Regulator	1500: 1/8" 2000: 1/4" 3000: 3/8" 4000: 1/2"	Blank: With pressure gauge N: No pressure gauge	Blank: With bracket J: No bracket	4: Mpa/Psi(Default) 5: Bar/Psi	Blank: G P: PT T: NPT

Order Example:

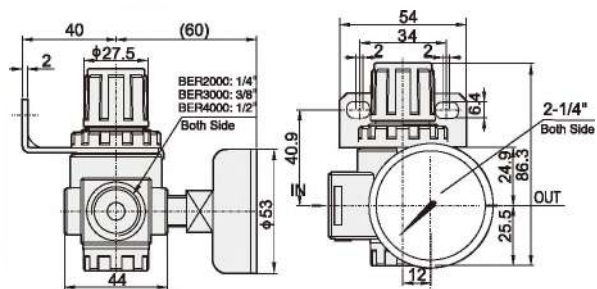
AE series Regulator, 1/4" body size, Mpa/Psi pressure scale unit, PT thread, ERP code is: AEC2000-4-P

Main Dimension

AER1500/2000



BER2000-4000

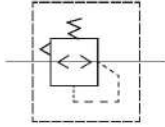


Specifications

Model	AER1500	AER2000	BER2000	BER3000	BER4000
Working medium	Air				
Port size	G1/8	G1/4	G1/4	G3/8	G1/2
Adjusting pressure range(MPa)	0.05-0.85				
Max. adjusting pressure(MPa)	1.0				
Guaranteed pressure(MPa)	1.5				
Working temperature(°C)	5-60				
Weight (g)	200		230		

ER Series Air Source Treatment Unit

3.15



Specifications

Model	ER1000	ER2000	ER2500	ER3000	ER4000	ER5000
Guaranteed pressure resistance(MPa)	1.5					
Max. working pressure(MPa)	1.0					
Working temperature(°C)	5~60					
Pressure adjusting range(MPa)	0.05~0.85					
Valve type	With overflow					

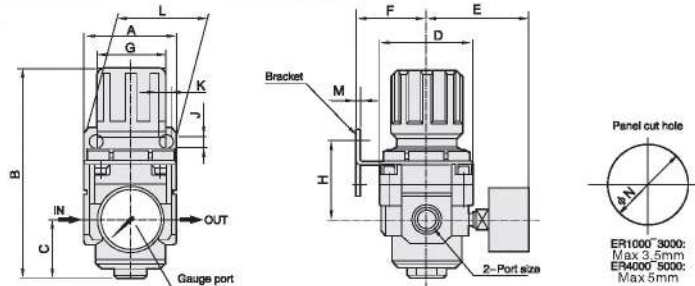
Model	Specifications				Accessories Bracket
	Flow rate(l/min)	Port size (G)	Pressure gauge thread size (G)	Weight (kg)	
ER1000-M5	100	M5	1/16	0.08	B120
ER2000-01	1178	1/8	1/8	0.27	B220
ER2000-02	1200	1/4	1/8	0.27	B220
ER2500-02	2000	1/4	1/8	0.27	B220
ER2500-03	2000	3/8	1/8	0.27	B220
ER3000-02	2112	1/4	1/8	0.41	B320
ER3000-03	2212	3/8	1/8	0.41	B320
ER4000-03	5020	3/8	1/4	0.64	B420
ER4000-04	5312	1/2	1/4	0.64	B420
ER4000-06	6000	3/4	1/4	0.84	B420
ER5000-06	6400	3/4	1/4	1.19	B420
ER5000-10	6800	1	1/4	1.19	B420

* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure

* NPT,PT port size is optional

Main Dimensions (mm)

ER1000-ER5000



Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	M	N
ER1000	M5	28	61.5	11	25	26	25	28	30	4.5	8.5	40	2	20.5
ER2000	1/8"-1/4"	40	95	17	40	56.8	30	34	44	5.4	15.4	55	2.3	33.5
ER2500	1/4"-3/8"	53	102.5	25	48	50.8	30	34	44	5.4	15.4	55	2.3	33.5
ER3000	1/4"-3/8"	63	127.5	35	53	60.8	39	40	46	6.5	8	53	2.3	42.5
ER4000	3/8"-1/2"	70	149.5	37.5	70	65.5	49.2	54	54	8.5	10.5	70	2.3	52.5
ER4000-06	3/4"	75	154	40.5	70	69.5	48.2	54	55.5	8.5	10.5	70	2.3	52.5
ER5000	3/4"-1"	90	168	48	90	75.5	49.2	54	62	8.5	10.5	70	2.3	52.5

HE Series Air Source Treatment Unit

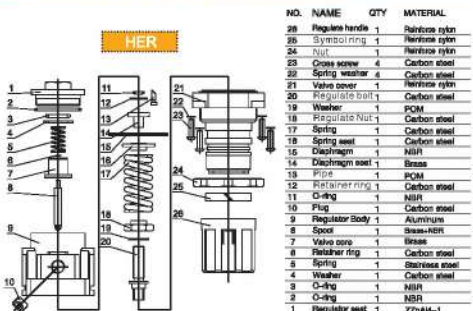
HE series 3.16

How to Order?

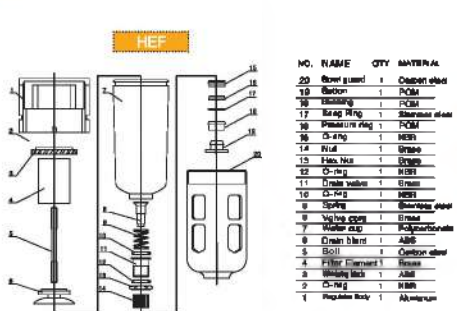
Series No	Type code	Body size	Combination QTY	Port size	Drain type	Pressure gauge code	Bracket code	Scale unit	Filter Precision	Thread type
HE: Environment protection type	C: Filter+regulator+lubricator W: Filter+regulator F: Filter R: Regulator L: Lubricator	20 2000 body 30 3000 body 40 4000 body 50 5000 body	10: Two units (Regulator/Lubricator) 00: Others	2000 01: 1/8" 02: 1/4" 3000 02: 1/4" 03: 3/8"	4000 03: 3/8" 04: 1/2" 06: 3/4" 5000 06: 3/4"	Blank: Manual drain type D: Auto Drain type	Blank: With bracket J: Without bracket	Blank: Mpa/Psi (Default) 5: Bar/Psi	Blank: 25 μm 5A: 5 μm	Blank: G P: PT T: NPT

Order Example:

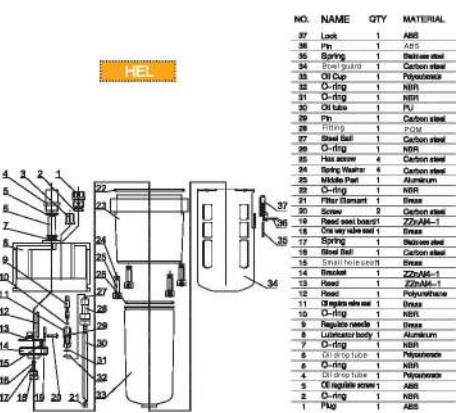
HE series three units, 2000 body size, 1/8 port size, manual drain, with bracket, Mpa/Psi pressure gauge, 25 μm filter precision, G thread, ERP code is HEC2000-01-4



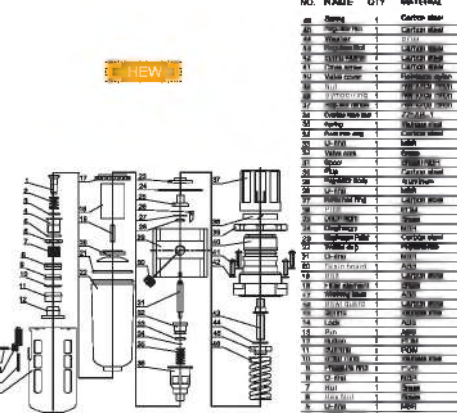
NO.	NAME	QTY	MATERIAL
26	Regulate handle	1	Hardness nylon
25	Symbol ring	1	Hardness nylon
24	Nut	1	Hardness nylon
23	Cross screw	4	Carbon steel
22	Spring washer	4	Carbon steel
21	Valve cover	1	Hardness nylon
20	Regulate bolt	1	Carbon steel
19	Washer	1	PCB
18	Regulate Nut	1	Carbon steel
17	Spring	1	Carbon steel
16	Spring seal	1	Carbon steel
15	Diaphragm	1	NBR
14	Diaphragm seal	1	Brass
13	PIPC	1	PCB
12	Interlocking ring	1	Carbon steel
11	O-ring	1	NBR
10	Plug	1	Carbon steel
9	Regulator body	1	Aluminum
8	Spool	1	Brass-NBR
7	Valve core	1	Brass
6	Valve ring	1	Carbon steel
5	Spring	1	Stainless steel
4	Washer	1	Carbon steel
3	O-ring	1	NBR
2	O-ring	1	NBR
1	Regulate seat	1	ZZNAM-1



NO.	NAME	QTY	MATERIAL
20	Blow gun	1	Carbon steel
19	Blow gun	1	PCB
18	Blow gun	1	PCB
17	Blow ring	1	Stainless steel
16	Pressure ring	1	PCB
15	O-ring	1	NBR
14	Nut	1	Brass
13	Valve Nut	1	Brass
12	O-ring	1	NBR
11	Drain valve	1	Brass
10	O-ring	1	NBR
9	Spring	1	Stainless steel
8	Valve core	1	Brass
7	Washer cap	1	Polycarbonate
6	Drain ball	1	ABS
5	Body	1	Carbon steel
4	Filter Element	1	Brass
3	Blow ring	1	ABS
2	O-ring	1	NBR
1	Regulate Body	1	Aluminum



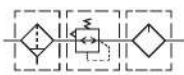
NO.	NAME	QTY	MATERIAL
37	Lock	1	ABS
36	Pin	1	ABS
35	Spring	1	Stainless steel
34	Flow guard	1	Carbon steel
33	Oil Cup	1	Polycarbonate
32	O-ring	1	NBR
31	O-ring	1	NBR
30	Oil Line	1	PU
29	Pin	1	Carbon steel
28	PIPC	1	PCB
27	Steel ball	1	Carbon steel
26	O-ring	1	NBR
25	Hex screw	4	Carbon steel
24	Ring Washer	4	Carbon steel
23	Middle Part	1	Aluminum
22	O-ring	1	NBR
21	Filter Element	1	Brass
20	Spool	1	Carbon steel
19	Need seal board	1	ZZNAM-1
18	Oil seal seal	1	Brass
17	Spring	1	Stainless steel
16	Steel ball	1	Carbon steel
15	Small PCB board	1	Brass
14	Resistor	1	ZZNAM-1
13	Need	1	ZZNAM-1
12	Need	1	Polycarbonate
11	Drain side seal	1	Brass
10	O-ring	1	NBR
9	Regulate handle	1	Brass
8	Lubricator body	1	Aluminum
7	O-ring	1	NBR
6	Oil port tube	1	Polycarbonate
5	O-ring	1	NBR
4	Oil port tube	1	Polycarbonate
3	Oil port tube	1	ABS
2	O-ring	1	NBR
1	Plug	1	ABS



NO.	NAME	QTY	MATERIAL
44	Spring	1	Carbon steel
43	Regulate Nut	1	Carbon steel
42	Washer	1	PCB
41	Blow gun	1	Carbon steel
40	Blow ring	1	Carbon steel
39	Pressure ring	1	Carbon steel
38	Blow gun	1	Carbon steel
37	Blow gun	1	Carbon steel
36	Blow gun	1	Carbon steel
35	Blow gun	1	Carbon steel
34	Blow gun	1	Carbon steel
33	Blow gun	1	Carbon steel
32	Blow gun	1	Carbon steel
31	Blow gun	1	Carbon steel
30	Blow gun	1	Carbon steel
29	Blow gun	1	Carbon steel
28	Blow gun	1	Carbon steel
27	Blow gun	1	Carbon steel
26	Blow gun	1	Carbon steel
25	Blow gun	1	Carbon steel
24	Blow gun	1	Carbon steel
23	Blow gun	1	Carbon steel
22	Blow gun	1	Carbon steel
21	Blow gun	1	Carbon steel
20	Blow gun	1	Carbon steel
19	Blow gun	1	Carbon steel
18	Blow gun	1	Carbon steel
17	Blow gun	1	Carbon steel
16	Blow gun	1	Carbon steel
15	Blow gun	1	Carbon steel
14	Blow gun	1	Carbon steel
13	Blow gun	1	Carbon steel
12	Blow gun	1	Carbon steel
11	Blow gun	1	Carbon steel
10	Blow gun	1	Carbon steel
9	Blow gun	1	Carbon steel
8	Blow gun	1	Carbon steel
7	Blow gun	1	Carbon steel
6	Blow gun	1	Carbon steel
5	Blow gun	1	Carbon steel
4	Blow gun	1	Carbon steel
3	Blow gun	1	Carbon steel
2	Blow gun	1	Carbon steel
1	Blow gun	1	Carbon steel

HE Series Air Source Treatment Unit

3.17 HE series



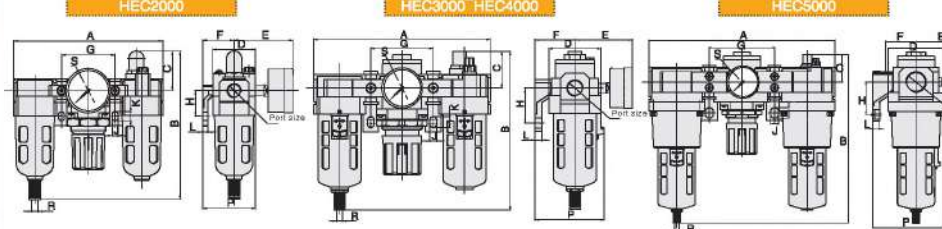
Specifications

Model	HEC2000	HEC2500	HEC3000	HEC4000	HEC5000
Guaranteed pressure resistance (MPa)	1.5				
Max. working pressure (MPa)	1.0				
Working temperature (°C)	5-60				
Filter precision	40µm (5µm is optional)				
Recommended oil	Turjint No.1 Oil ISOVG32				
Body material	Polycarbonate				
Blow gun	None	Available			
Pressure adjusting range (MPa)	0.15-0.85				
Valve type	With overflow				

Model	Assembly			Specifications					Accessories
	Filter	Regulator	Lubricator	Rated flow (L/min)	* Port size (G)	Pressure Gauge (G)	Weight (kg)	Bracket (T/w)	
HEC2000-01	HEF2000	ER2000	HEL2000	1000	1/8		0.74	Y20L	
HEC2000-02				1100	1/4				
HEC2500-02	HEF3000	ER2500	HEL3000	1500	1/4		1.04	Y30L	
HEC2500-03				1500	3/8	1/8			
HEC3000-02	HEF3000	ER3000	HEL3000	1950	1/4	1/8	1.18	Y30L	
HEC3000-03				2105	3/8				
HEC4000-03	HEF4000	ER4000	HEL4000	4950	3/8	1/4	2.14	Y40L	
HEC4000-04				5200	1/2				
HEC4000-06	HEF4000-06	ER4000-06	HEL4000-06	5600	3/4	1/4	2.47	Y50L	
HEC5000-06	HEF5000	ER5000	HEL5000	6200	3/4	1/4	3.82	Y80L	
HEC5000-10				6500	1				

* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure. * NPT,PT port size is optional

Main Dimensions (mm)



Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	P	R	S
HEC2000	1/8"-1/4"	180	149.5	38	40	58.8	30	50	28	5.5	8.5	5	30	118	G1/8
HEC3000	1/4"-3/8"	181	163.5	38	53	60.8	41	64	35	7.0	11	7	70.5	118	G1/8
HEC4000-04	1/2"	238	198.5	41	70	65.5	50	84	40	9.0	13	7	98	118	G1/4
HEC4000-06	3/4"	263	200	40.5	70	69.5	50	89	40	9.0	13	7	88	118	G1/4
HEC5000	3/4"-1"	300	278.5	48	90	75.5	69.8	105	50	12	16	10.5	115.0	118	G1/4

HE Series Air Source Treatment Unit

HE series 3.18



Specifications

Model	HEC2010	HEC3010	HEC4010	HEC5010
Guaranteed pressure resistance(MPa)	1.5			
Max. working pressure(MPa)	1.0			
Working temperature(°C)	5-60			
Filter precision	40µm (5µm is optional)			
Recommended oil	Turboine No.1 Oil ISOVG32			
Bowl material	Polycarbonate			
Bowl guard	Available			
Pressure adjusting range(MPa)	0.15-0.85			
Valve type	With overflow			

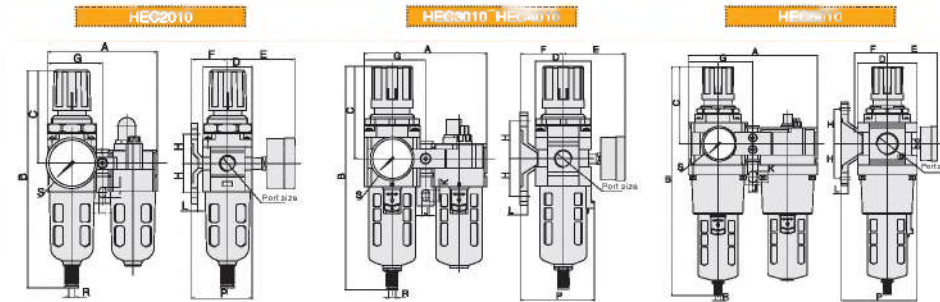
Model	Specifications					Accessories	
	Filter with pressure indicator	Lubricator	Rated flow(L/min)	* Port size (G)	Pressure Gauge	Weight (kg)	Bracket(Two)
HEC2010-01	HEW2000	HEL2000	945	1/8		0.66	Y20T
HEC2010-02			960	1/4	1/8		
HEC3010-02	HEW3000	HEL3000	1874	1/4	1/8	0.98	Y30T
HEC3010-03			1956	3/8			
HEC4010-03	HEW4000	HEL4000	4923	3/8	1/4	1.99	Y40T
HEC4010-04			5120	1/2			
HEC4010-06	HEW4000-06	HEL4000-06	5000	3/4	1/4	1.99	Y60T
HEC5010-06	HEW5000	HEL5000	8000	3/4	1/4	3.20	Y60T
HEC5010-10			8200	1			

* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure

* NPT,PT port size is optional

3

Main Dimensions (mm)



Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	P	R	S
HEC2010	1/8"-1/4"	90	180	78	40	56.8	30	45	24	5.5	8.5	5	50	φ8	G1/8
HEC3010	1/4"-3/8"	117	218	92.5	53	60.8	41	58.5	35	7	11	7	70.5	φ8	G1/8
HEC4010-04	1/2"	154	269	112	70	65.5	50	77	40	9	13	7	88	φ8	G1/4
HEC4010-06	3/4"	164	274	114	70	69.5	50	82	40	9	13	7	88	φ8	G1/4
HEC5010	3/4"-1"	195	345	116	90	75.5	69.8	97.5	50	12	16	10.5	115	φ8	G1/4

HEW Series Air Source Treatment Unit

3.19



Specifications

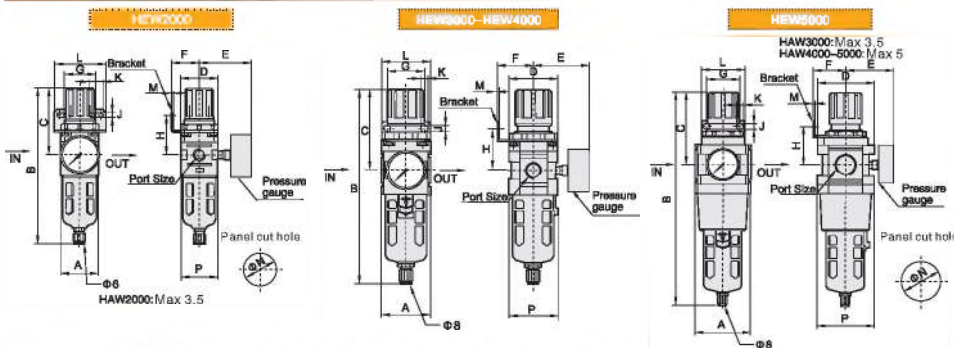
Model	HEW2000	HEW3000	HEW4000	HEW5000
Guaranteed pressure resistance(MPa)	1.5			
Max. working pressure(MPa)	1.0			
Working temperature(°C)	5-60			
Filter precision	40µm (5µm is optional)			
Bowl material	Polycarbonate			
Bowl guard	Available			
Entrance pressure(MPa)	0.15-1.0			
Pressure adjusting range(MPa)	0.15-0.85			
Valve type	With overflow			

Model	Specifications				Accessories Bracket (Two)	Drain function	Auto drain model	
	Rated flow (L/min)	Port size (G)	Flow capacity (GPM)	Weight (kg)				
HEW2000-01	1078	1/8	1/8	0.3	B220	Manual drain		
HEW2000-02	1165	1/4	1/4					
HEW3000-02	1998	1/4			B320	a. Zero pressure drain	HEW3000-02D	
HEW3000-03	2177	3/8	1/8	0.53			HEW3000-03D	
HEW4000-03	5108	3/8			B420	b. Manual drain	HEW4000-03D	
HEW4000-04	5211	1/2	1/4	1.15				HEW4000-04D
HEW4000-06	5750	3/4	1/4	1.19				HEW4000-06D
HEW5000-06	6200	3/4						HEW5000-06D
HEW5000-10	6400	1	1/4	1.78				HEW5000-10D

* The above information is based on 8.0 Bar supply pressure and 6.3 Bar set pressure

* NPT,PT port size is optional

Main Dimensions (mm)



Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	M	P	N
HEW2000	1/8" 1/4"	40	180	78	40	56.8	30	34	43.5	5.4	15.4	65	2.3	40	33.5
HEW3000	1/4" 3/8"	53	218	92.5	53	60.8	39	40	46	6.5	8	63	2.3	56	42.5
HEW4000	3/8" 1/2"	70	289.5	112	70	70.5	49.2	54	53.5	8.5	10.5	70	2.3	79	52.5
HEW4000-06	3/4"	75	273.5	114	70	70.5	48.2	54	55.5	8.5	10.5	70	2.3	73	52.5
HEW5000	3/4" 1"	90	345.5	116	90	75.5	49.2	54	62	8.5	10.5	70	2.3	90	52.5

HEF Series Air Source Treatment Unit



HEF series 3.20

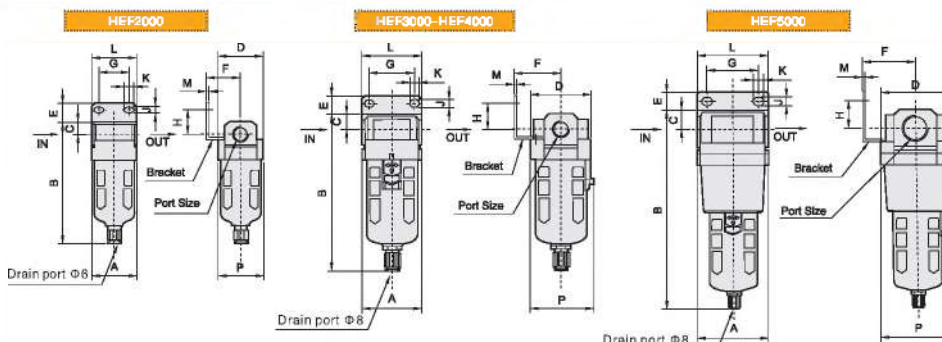
Specifications

Model	HEF2000	HEF3000	HEF4000	HEF5000
Guaranteed pressure resistance (MPa)	1.5			
Max. working pressure (MPa)	1.0			
Working temperature (°C)	5-80			
Filter precision	40µm (5µm is optional)			
Flow material	Polycarbonate			
Bowl guard	Available			
Inlet pressure (Pa)	0.15-1.0			

Model	Specifications				Accessories Bracket (Two)	Drain function	Auto drain model	
	Rated flow (L/min)	Port size (G)	Flow capacity (GPM)	Weight (kg)				
HEF2000-01	1222	1/8	15	0.18	B220	Manual drain		
HEF2000-02	1278	1/4						
HEF3000-02	2008	1/4			B340	a. Zero pressure drain	HEF3000-02D	
HEF3000-03	2148	3/8	20	0.28			HEF3000-03D	
HEF4000-03	5120	3/8			B440	b. Manual drain	HEF4000-03D	
HEF4000-04	5430	1/2	45	0.52				HEF4000-04D
HEF4000-06	7680	3/4	45	0.57			B540	HEF4000-06D
HEF5000-06	8200	3/4						HEF5000-06D
HEF5000-10	8500	1	130	1.04			B640	HEF5000-10D

* The above information is based on 6.3 Bar supply pressure and 1.0 Bar set pressure * NPT,PT port size is optional

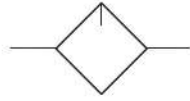
Main Dimensions (mm)



Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	M	P
HEF2000	1/8" 1/4"	40	113	11	40	17	30	27	22	5.4	8.4	40	2.3	40
HEF3000	1/4" 3/8"	53	139.5	14	53	16	41	40	23	6.5	8	53	2.3	56
HEF4000	3/8" 1/2"	70	175.5	16	70	17	50	54	26	8.5	10.5	70	2.3	73
HEF4000-06	3/4"	75	179.5	20	70	14	50	54	25	8.5	10.5	70	2.3	73
HEF5000	3/4" 1"	90	254.5	24	90	23	66.5	66	35	11	13	90	3.2	90

HEL Series Air Source Treatment Unit

3.21 HEL series



3

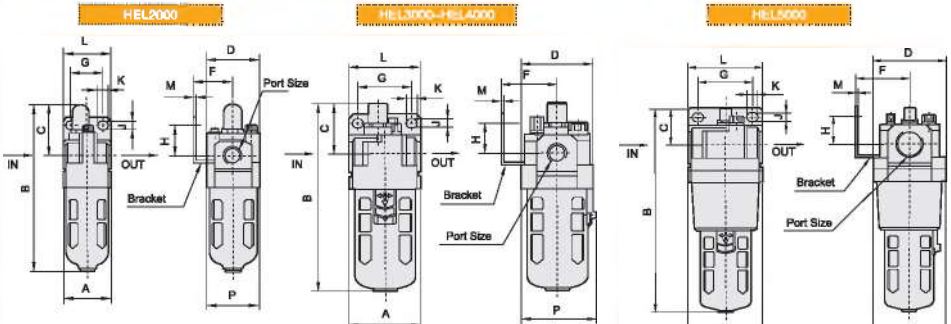
Specifications

Model	HEL2000	HEL3000	HEL4000	HEL5000
Guaranteed pressure resistance(MPa)			1.5	
Max. working pressure(MPa)			1.0	
Working temperature(°C)			5-60	
Recommended oil	Turbine No.1 Oil ISOVG32			
Bowl material	Polycarbonate			
Bowl guard	Available			
Population pressure(MPa)	0.15-1.0			

Model	Specifications					Accessories
	MIN. level of drop (L/min)	MAX. drop (L/min)	* Port size (G)	Bowl capacity (cm ³)	Weight(kg)	
HEL2000-01	15	1300	1/8			B240
HEL2000-02		1345	1/4	25	0.18	
HEL3000-02	30	2340	1/4			B340
HEL3000-08	40	2375	3/8	50	0.27	
HEL4000-08	40	5321	3/8			B440
HEL4000-04	50	5532	1/2	130	0.5	
HEL4000-06	50	6700	3/4	130	0.57	B640
HEL5000-06	180	7700	3/4	130	1.1	B640
HEL5000-10		8000	1			

* The above information is based on 6.3Bar supply pressure, the flow of oil drop is 2-3 drops/min, the temperature of Turbine No.1 oil is 20°C
 * The above information is based on 6.3Bar supply pressure and 1.0Bar step down
 * NPT,PT port size is optional

Main Dimensions (mm)



Model	Port Size (G)	A	B	C	D	F	G	H	J	K	L	M	P
HEL2000	1/8" 1/4"	40	121.5	98	40	90	27	22	5.4	8.4	40	2.9	40
HEL3000	1/4" 3/8"	53	142	98	53	41	40	23	6.5	8	53	2.8	56
HEL4000	3/8" 1/2"	70	177	41	70	50	54	26	8.5	10.5	70	2.8	73
HEL4000-08	3/4"	75	177	39	70	50	54	26	8.5	10.5	70	2.8	73
HEL5000	3/4" 1"	90	254	45	90	66.5	66	35	11	13	90	3.2	90

HNE Series Air Source Treatment Unit

3.22

How to Order?

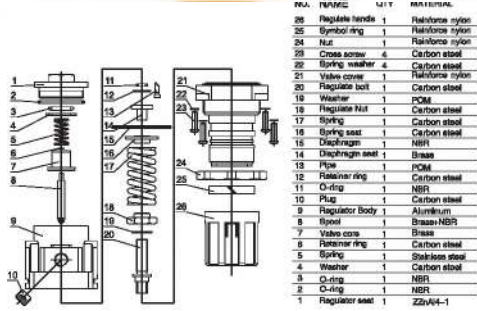
Series No.	Type code	Body size	Combination O/V	Port size	Drain type	Pressure gauge code	Bracket code	Scale unit	Filter Precision	Thread type
HNE: Fullmetal bowl series			10: Two units 1: Regulator+Lubricator 00: Others		Blank: Manual drain type D: Auto Drain type (Available only for 3000 or bigger body size)		Blank: With bracket J: Without bracket		Blank: 25 μm 5M: 5 μm	Blank: G P: PT I: NPT
	C: Filter+regulator+ lubricator W: Filter+regulator F: Filter R: Regulator L: Lubricator	20: 2000 body 30: 3000 body 40: 4000 body 50: 5000 body		2000 01: 1/8" 02: 1/4" 3000 02: 1/4" 03: 3/8"	4000 03: 3/8" 04: 1/2" 06: 3/4" 5000 06: 3/4"	Blank: With pressure gauge N: Without pressure gauge		4: Mpa/Psi(Default) 5: Bar/Pa		

Order Example

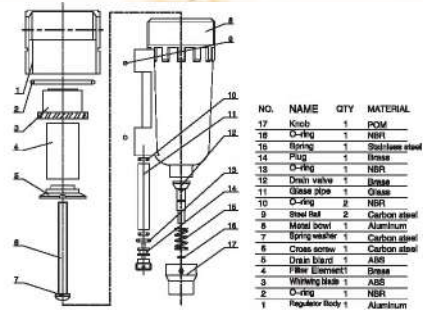
HNE series three units, 2000 body size, 1/8" thread size, manual drain type, with bracket, Mpa/Psi pressure gauge, 25 μm filter precision, G thread, ERP code is: HNEC2000-01-4

Air source treatment unit kits

UNEF

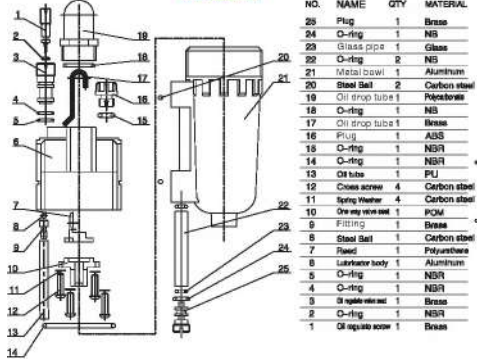


HNEF

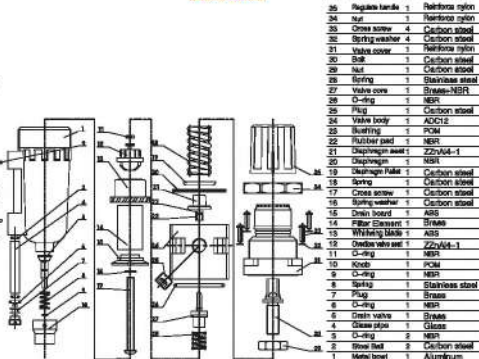


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HNEL



HNEW



EFRH F&R High pressure

EFRH Valve body size - Port size

EFRH series	Valve body size	Port size
20:	2000 Valve body	02: G1/4"
30:	3000 Valve body	03: G3/8"
40:	4000 Valve body	04: G1/2"
50:	5000 Valve body	06: G3/4"
		10: G1"

Order Example:

EFRH series, 4000 valve body, port size G1/2", EFRH code: EFRH40-04

ELH Valve body size - Port size

ELH series	Valve body size	Port size
20:	2000 Valve body	02: G1/4"
30:	3000 Valve body	03: G3/8"
40:	4000 Valve body	04: G1/2"
50:	5000 Valve body	06: G3/4"
		10: G1"

Order Example:

ELH series, 4000 valve body, port size G1/2", ELH code: ELH40-04

■ Specifications:

Model	EFRH-02	EFRH-03	EFRH-04	EFRH-06	EFRH-10
The use of fluid	air				
Port size	G1/4	G3/8	G1/2	G3/4	G1
Filter accuracy	20 μm or 40 μm				
Adjust the pressure range(MPa)	0.15 - 3.5MPa				
Maximum input pressure (MPa)	4MPa				
Operating temperature range (°C)	5 - +80°C				

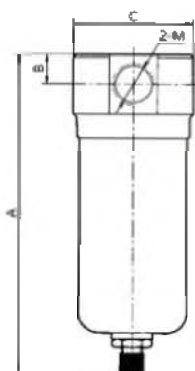
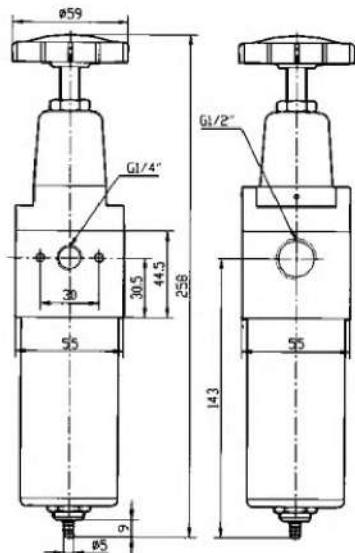
Model	ELH-02	ELH-03	ELH-04	ELH-06	ELH-10
The use of fluid	air				
Port size	G1/4	G3/8	G1/2	G3/4	G1
Filter accuracy	20 μm or 40 μm				
Adjust the pressure range(MPa)	0.15 - 3.5MPa				
Maximum input pressure (MPa)	4MPa				
Operating temperature range (°C)	5 - +80°C				

BE: Larger body size with bowl guard

3000: 3/8"
4000: 1/2"

T: NPT

■ Main Dimensions:



Model	A	B	C	M
8	160	15	60	1/4"
10	160	15	60	3/8"
15	160	15	60	1/2"
20	215	75	90	3/4"
25	215	75	90	1"



Pneumatic Cylinder

- SG Series High Precision Guide
- Pneumatic Cylinder
- EN Series Double Piston Pneumatic Cylinder
- EXS Series Double Piston Pneumatic Cylinder
- EMQ Series Rotary Pneumatic Cylinder
- SHY Series Y Type Air Gripper
- SHZ Series Parallel Type Air Gripper
- EXH Series High Precision Slide Pneumatic Cylinder
- ELS Slide Cylinder
- ELQ Series Slide Cylinder
- EXSW Series Double Piston Pneumatic Slide Cylinder
- ESW Series Rodless Cylinder
- ESWT Guide Rod Type Rodless Cylinder

Directional Valve

- SV Solenoid Valve & Valve Terminal
- ESV Solenoid Valve & Valve Terminal
- ET307
- SR Series Valve Terminal
- RV Standard/Low Power Solenoid Valve(5/2, 5/3)
- RV Standard/Low Power Solenoid Valve(3/2)
- RV Air Control Valve(5/2, 5/3)
- RV Air Control Valve(3/2)
- V/RV Manifold(5/2, 5/3)
- V/RV Manifold(3/2)
- RV MAMUR Solenoid Valve(5/2, 5/3)
- RV MAMUR Solenoid Valve(3/2)

Fluid Solenoid Valve

- ELP Solenoid Valve
- ZS-H 2/2 Solenoid Valve(N.O.)
- SLP Series 2/2 Solenoid Valve(Normal Close)
- ZS 2/2 Solenoid Valve(N.C.)
- 2V 2/2 Solenoid Valve(N.C.)
- SLG Series 2/2 Solenoid Valve(Normal Close)
- HUS Series 2/2 Solenoid Valve
- EMCJ Series Full Stainless Steel Angle Valve
- EMCP Plastic Actuator Series Angle Valve
- Connector+ Coil
- Coil

Air Treatment Unit

- EAC F.R.L Unit
- EAC FR.L Unit
- EAW F&R
- EAF Filter
- EAR Regulator
- EAL Lubricator
- EPR3000 Precision Pressure Regulator
- EA series Accessories
- ETV Electro-Pneumatic Proportional Regulator
- EI Series Air Source Treatment Unit
- E Series Air Source Treatment Unit
- HNE Series Air Source Treatment Unit

Pneumatic Accessories

- Muffler
- One Touch-In Fitting
- Hand Valve
- Stop Fitting/Check Valve
- USA Style Brass Fitting
- Metal Fitting
- SS One Touch Fitting
- Air Gun
- PU/PE & PUS/PES Tube
- PA Tube/PU Cutter
- TSB Flame Resistant Tubing
- Pressure Switch

ERH Regualtor High pressure



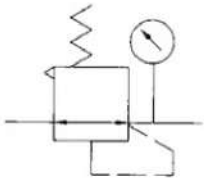
How To Order:

ERH	Valve Body Size	Port Size
ERH series	20: 2000 Valve body 30: 3000 Valve body 40: 4000 Valve body 50: 5000 Valve body	02: G1/4 " 03: G3/8 " 04: G1/2 " 06: G3/4 " 10: G1 "

Order Example:

ERH series, 4000 valve body, port size G1/2", ERP code: ERH40-04

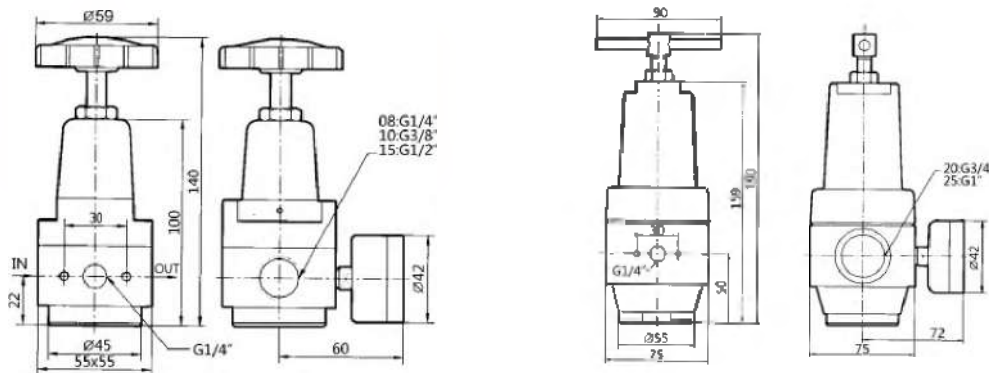
Symbol:



Specifications:

Model	ERH-02	ERH-03	ERH-04	ERH-06	ERH-10
The use of fluid	air				
Port size	G1/4	G3/8	G1/2	G3/4	G1
Adjust the pressure range (MPa)	0.05 - 3.5MPa				
Maximum input pressure (MPa)	4MPa				
Operating temperature range (°C)	-25 ~ +80°C				

Main Dimensions:



Pneumatic Cylinder

- SG Series High Precision Guide Pneumatic Cylinder
- EN Series Double Piston Pneumatic Cylinder
- EXS Series Double Piston Pneumatic Cylinder
- EMQ Series Rotary Pneumatic Cylinder
- SHY Series Y Type Air Gripper
- SHZ Series Parallel Type Air Gripper
- EXH Series High Precision Slide Pneumatic Cylinder
- ELS Slide Cylinder
- ELQ Series Slide Cylinder
- EXSW Series Double Piston Pneumatic Slide Cylinder
- ESW Series Rodless Cylinder
- ESWT Guide Rod Type Rodless Cylinder

Directional Valve

- SV Solenoid Valve & Valve Terminal
- ESV Solenoid Valve & Valve Terminal
- ET307
- SR Series Valve Terminal
- RV Standard/Low Power Solenoid Valve(5/2,5/3)
- RV Standard/Low Power Solenoid Valve(3/2)
- RV Air Control Valve(5/2,5/3)
- RV Air Control Valve(3/2)
- V/RV Manifold(5/2,5/3)
- V/RV Manifold(3/2)
- RV MAMUR Solenoid Valve(5/2,5/3)
- RV MAMUR Solenoid Valve(3/2)

Fluid Solenoid Valve

- ELP Solenoid Valve
- ZS-H 2/2 Solenoid Valve(N.O.)
- SLP Series 2/2 Solenoid Valve(Normal Close)
- ZS 2/2 Solenoid Valve(N.C.)
- 2V 2/2 Solenoid Valve(N.C.)
- SLG Series 2/2 Solenoid Valve(Normal Close)
- HUS Series 2/2 Solenoid Valve
- EMCJ Series Full Stainless Steel Angle Valve
- EMCP Plastic Actuator Series Angle Valve
- Connector+ Coil
- Coil

Air Treatment Unit

- EAC F.R.L Unit
- EAC F.R.L Unit
- EAW F&R
- EAF Filter
- EAR Regulator
- EAL Lubricator
- EPR2000 Precision Pressure Regulator
- EA series Accessories
- ETV Electro-Pneumatic Proportional Regulator
- EI Series Air Source Treatment Unit
- E Series Air Source Treatment Unit
- HNE Series Air Source Treatment Unit

Pneumatic Accessories

- Muffler
- One Touch-in Fitting
- Hand Valve
- Stop Fitting/Check Valve
- USA Style Brass Fitting
- Metal Fitting
- SS One Touch Fitting
- Air Gun
- PU/PE & PUS/PES Tube
- PA Tube/PU Cutter
- TSB Flame Resistant Tubing
- Pressure Switch

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
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Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

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