

Specifications

Model	HNEC2000	HNEC3000	HNEC4000	HNEC5000
Guaranteed pressure resistance(Bar)	15			
Max. working pressure(Bar)	10			
Working temperature(°C)	5~60			
Filter precision	25 μm (5μm is optional)			
Recommended oil	Turbine No.1 Oil ISOVG32			
Bowl material	Aluminum die-casting			
Bowl guard	None	Available		
Pressure adjusting range(Bar)	0.5~8.5			
Valve type	With overflow			

Model	Specifications							Accessories	
	Assembly			Rated flow (L/min)	Port size (G)	Pressure gauge thread size (G)	Weight (kg)		Bracket (2个)
	Filter	Regulator	Lubricator						
HNEC2000-01	HNEF2000	ER2000	HNEL2000	500	1/8	1/8	0.74	Y20L	
HNEC2000-02				1500	1/4				
HNEC2500-02	HNEF3000	ER2500	HNEL3000	1500	1/4	1/8	1.04	Y30L	
HNEC2500-03				2000	3/8				
HNEC3000-02	HNEF3000	ER3000	HNEL3000	2000	1/4	1/8	1.18	Y30L	
HNEC3000-03				4000	3/8				
HNEC4000-03	HNEF4000	ER4000	HNEL4000	4000	1/2	1/4	2.14	Y40L	
HNEC4000-04				4500	3/4				
HNEC4000-06	HNEF4000-06	ER4000-06	HNEL4000-06M	4500	3/4	1/4	2.47	Y50L	
HNEC5000-06				5000	3/4				
HNEC5000-10	HNEF5000	ER5000	HNEL5000	5000	1	1/4	3.82	Y60L	

* The above information is based on 7.1 Bar supply pressure and 5.1 Bar set pressure.
* NPT, PT port size is optional

Specifications

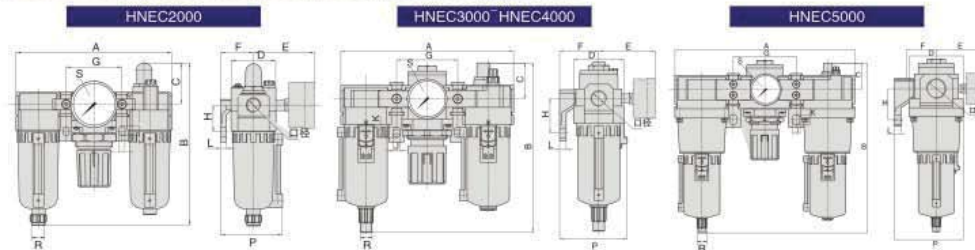
Model	HNEC2010	HNEC3010	HNEC4010	HNEC5010
Guaranteed pressure resistance(Bar)	15			
Max. working pressure(Bar)	10			
Working temperature(°C)	5~60			
Filter precision	25 μm (5μm is optional)			
Recommended oil	Turbine No.1 Oil ISOVG32			
Bowl material	Aluminum die-casting			
Bowl guard	None	Available		
Pressure adjusting range(Bar)	0.5~8.5			
Valve type	With overflow			

Model	Specifications						Accessories	
	Assembly		Rated flow (L/min)	Port size (G)	Pressure gauge thread size (G)	Weight(kg)		Bracket(2个)
	Filter with pressure reducer	Lubricator						
HNEC2010-01	HNEW2000	HNEL2000	500	1/8	1/8	0.66	Y20T	
HNEC2010-02				1/4				
HNEC3010-02	HNEW3000	HNEL3000	1700	1/4	1/8	0.98	Y30T	
HNEC3010-03				3/8				
HNEC4010-03	HNEW4000	HNEL4000	3000	3/8	1/4	1.93	Y40T	
HNEC4010-04				1/2				
HNEC4010-06	HNEW4000-06	HNEL4000-06	3000	3/4	1/4	1.99	Y50T	
HNEC5010-06				3/4				
HNEC5010-10	HNEW5000	HNEL5000	4000	1	1/4	3.20	Y60T	

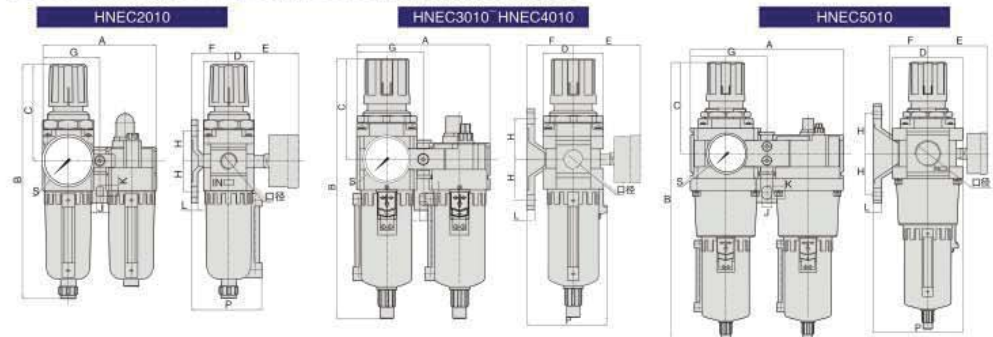
* Under the circumstance that the supply pressure is 7.1Bar and set pressure is 5.1Bar
* NPT, PT port size are available

Main Dimensions (mm)

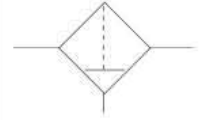
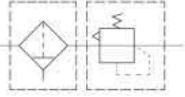
Main Dimensions (mm)



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



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



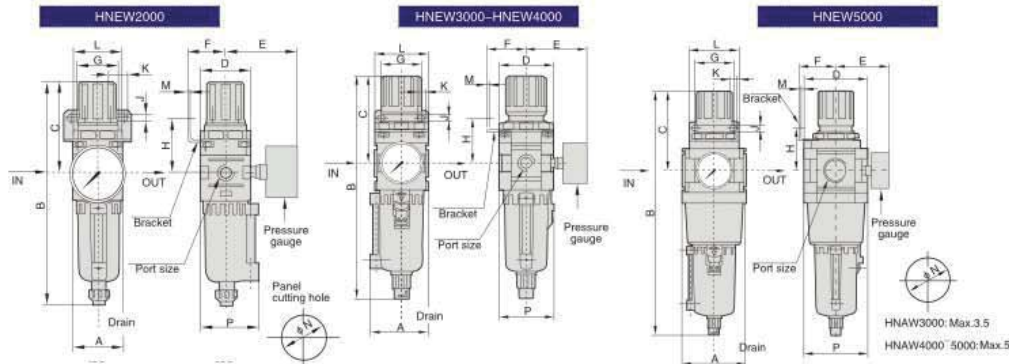
Specifications

Model	HNEW2000	HNEW3000	HNEW4000	HNEW5000
Guaranteed pressure resistance(Bar)	15			
Max. working pressure(Bar)	10			
Working temperature(°C)	5~60			
Filter precision	25 μm (5μm is optional)			
Bowl material	Aluminum die-casting			
Bowl guard	None		Available	
Pressure adjusting range(Bar)	0.5~8.5			
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)	Bracket (2个)			
HNEW2000-01	550	1/8	1/8	0.29	B220		Manual drain	HNAW2000-01MD
HNEW2000-02		1/4						HNAW2000-02MD
HNEW3000-02	2000	1/4	1/8	0.55	B320		Zero pressure drain	HNAW3000-02MD
HNEW3000-03		3/8						HNAW3000-03MD
HNEW4000-03	4000	3/8	1/4	1.16	B420		Manual drain	HNAW4000-03MD
HNEW4000-04		1/2						HNAW4000-04MD
HNEW4000-06	4500	3/4	1/4	1.2				HNAW4000-06MD
HNEW5000-06		3/4						HNAW5000-06MD
HNEW5000-10	5500	1	1/4	1.79				HNAW5000-10MD

* The above information is based on 7.1 Bar supply pressure and 5.1 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
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

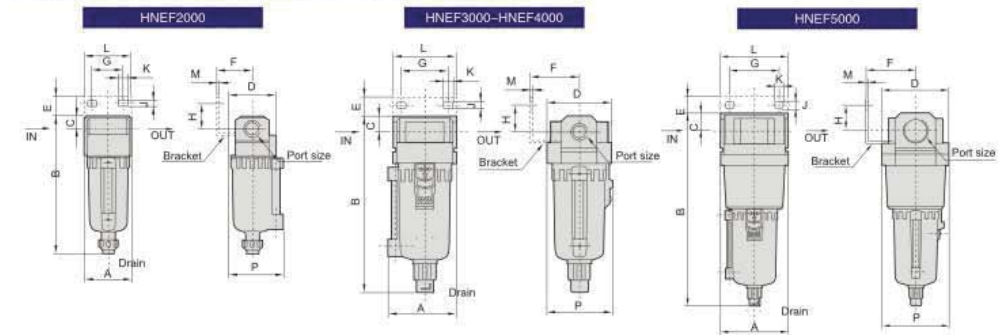
Specifications

Model	HNEF2000	HNEF3000	HNEF4000	HNEF5000
Guaranteed pressure resistance(Bar)	15			
Max. working pressure(Bar)	10			
Working temperature(°C)	5~60			
Filter precision	25 μm (5μm is optional)			
Bowl material	Aluminum die-casting			
Bowl guard	None		Available	
Pressure adjusting range(Bar)	0.5~8.5			
Valve type	With overflow			

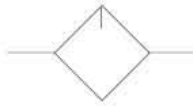
Model	Specifications				Accessories		Drain function	Auto drain model
	Rated flow (L/min)	Port size (G)	Bowl capacity (cm)	Weight(kg)	Bracket(2个)			
HNEF2000-01	750	1/8	15	0.17	B240		Manual drain	HNEF2000-01MD
HNEF2000-02		1/4						HNEF2000-02MD
HNEF3000-02	1500	1/4	20	0.29	B340		Zero pressure drain	HNEF3000-02MD
HNEF3000-03		3/8						HNEF3000-03MD
HNEF4000-03	4000	3/8	45	0.53	B440		Manual drain	HNEF4000-03MD
HNEF4000-04		1/2						HNEF4000-04MD
HNEF4000-06	6000	3/4	45	0.58	B540			HNEF4000-06MD
HNEF5000-06		3/4						HNEF5000-06MD
HNEF5000-10	7000	1	130	1.05	B640			HNEF5000-10MD

* The above information is based on 7.1 Bar supply pressure and 5.1 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
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



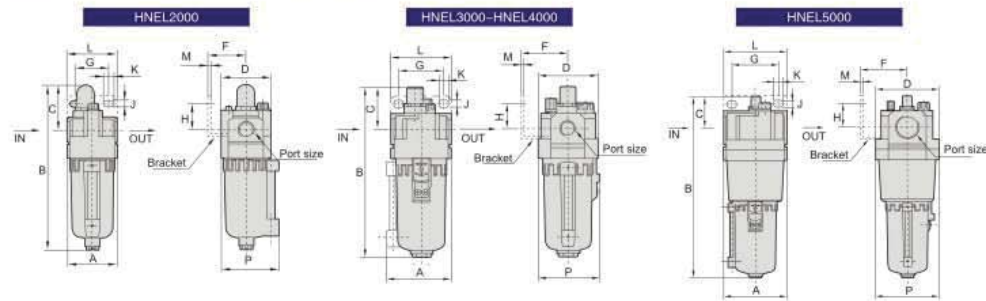
Specifications

Model	HNEL2000	HNEL3000	HNEL4000	HNEL5000
Guaranteed pressure resistance(Bar)	15			
Max. working pressure(Bar)	10			
Working temperature(°C)	5~60			
Recommended oil	Turbine No.1 Oil ISOVG32			
Bowl material	Aluminum die-casting			
Bowl guard	None	Available		
Valve type	With overflow			

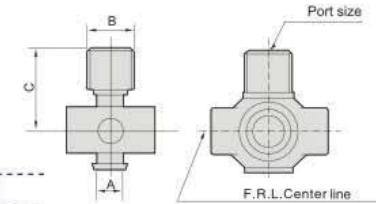
Model	Specifications					Accessories
	Minimal flow of oil drop (L/min)	Rated flow(L/min)	Port size(G)	Bowl capacity (cm ³)	Weight(kg)	Bracket
HNEL2000-01			1/8			
HNEL2000-02	15	800	1/4	25	0.17	B240
HNEL3000-02	30	1700	1/4	50	0.30	B340
HNEL3000-03	40		3/8			
HNEL4000-03	40	5000	3/8	130	0.53	B440
HNEL4000-04	50		1/2			
HNEL4000-06	50	6300	3/4	130	0.59	B540
HNEL5000-06	190		3/4			
HNEL5000-10		7000	1	130	1.13	B640

*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 Dimensions (mm)

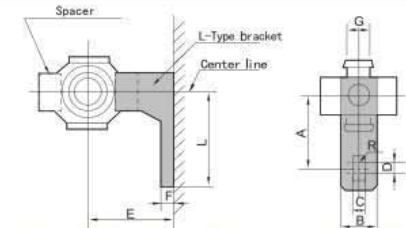


Model	Port size (G)	A	B	C	D	F	G	H	J	K	L	M	P
HNEL2000	1/8" 1/4"	40	137	38	50	30	27	22	5.4	8.4	40	2.3	40
HNEL3000	1/4" 3/8"	57.4	154.5	38	53	41	40	23	8.5	8	53	2.3	55
HNEL4000	3/8" 1/2"	74	185.5	41	70	50	54	26	8.5	10.5	70	2.3	72.5
HNEL4000-06	3/4"	76.5	185.5	39	70	50	54	25	8.5	10.5	70	2.3	72.5
HNEL5000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



T-Type Spacer

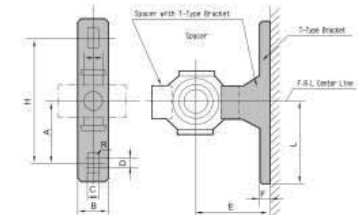
Model	Port Size	A	B	C	适用型号 Applicable Model
Y21-01	G1/8	10	19	29	EC2000
Y21-02	G1/4				
Y31-01	G1/8	11	19	33	EC3000
Y31-02	G1/4				
Y41-02	G1/4	14	24	39	EC4000
Y41-03	G3/8				
Y61-03	G3/8	15	30	50.5	EC5000
Y61-04	G1/2				



L-Type Bracket

Spacer with L-Type Bracket

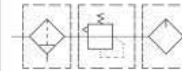
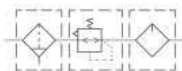
L-Type Bracket	Spacer with L-Type Bracket	A	B	C	D	E	F	G	R	L	Applicable Model
B110L	Y10L	20	12	4.5	3	25	5	8	2.25	27	EC1000
B210L	Y20L	24	15	5.5	3	30	5	10	2.75	33	EC2000
B310L	Y30L	35	16	7	4	41	7	11	3.5	45	EC2500-EC3000
B410L	Y40L	40	22	9	4	50	7	14	4.5	50	EC4000
B510L	Y50L	40	22	9	4	50	7	14	4.5	50	EC4000-06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



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



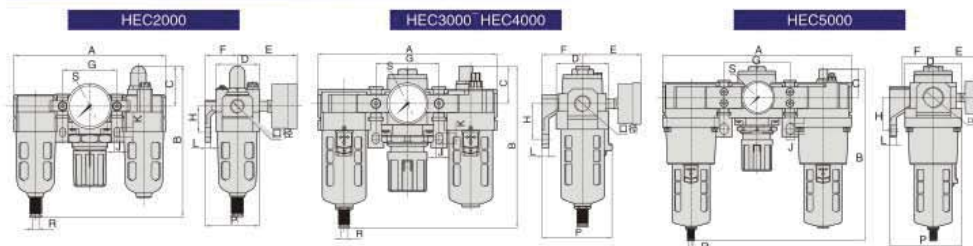
Specifications

Model	HEC2000	HEC2500	HEC3000	HEC4000	HEC5000
Guaranteed pressure resistance(Bar)	15				
Max. working pressure(Bar)	10				
Working temperature(°C)	5~60				
Filter precision	25µm (5µm is optional)				
Recommended oil	Turbine No.1 Oil ISOVG32				
Bowl material	Polycarbonate				
Bowl guard	None	Available			
Pressure adjusting range(Bar)	0.5~8.5				
Valve type	With overflow				

Model	Specifications							Accessories
	Assembly			Rated flow (L/min)	Port size (G)	Pressure Gauge thread size (G)	Weight (kg)	
Filter	Regulator	Lubricator						
HEC2000-01				500	1/8			
HEC2000-02	HEF2000	ER2000	HEL2000	500	1/4	1/8	0.74	Y20L
HEC2500-02				1500	1/4			
HEC2500-03	HEF3000	ER2500	HEL3000	1500	3/8	1/8	1.04	Y30L
HEC3000-02				2000	1/4			
HEC3000-03	HEF3000	ER3000	HEL3000	2000	3/8	1/8	1.18	Y30L
HEC4000-03				4000	3/8			
HEC4000-04	HEF4000	ER4000	HEL4000	4000	1/2	1/4	2.14	Y40L
HEC4000-06	HEF4000-06	ER4000-06	HEL4000-06	4500	3/4	1/4	2.47	Y50L
HEC5000-06				5000	3/4			
HEC5000-10	HEF5000	ER5000	HEL5000	5000	1	1/4	3.82	Y60L

* The above information is based on 7.1 Bar supply pressure and 5.1 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"	140	140.5	38	40	56.8	30	50	24	5.5	8.5	5	50	46	G1/8
HEC3000	1/4"-3/8"	181	163.5	38	53	60.8	41	64	35	7.0	11	7	70.5	48	G1/8
HEC4000-04	1/2"	238	198.5	41	70	65.5	50	84	40	9.0	13	7	88	48	G1/4
HEC4000-06	3/4"	253	200	40.5	70	69.5	50	89	40	9.0	13	7	88	48	G1/4
HEC5000	3/4"-1"	300	278.5	48	90	75.5	69.8	105	50	12	16	10.5	115.0	48	G1/4

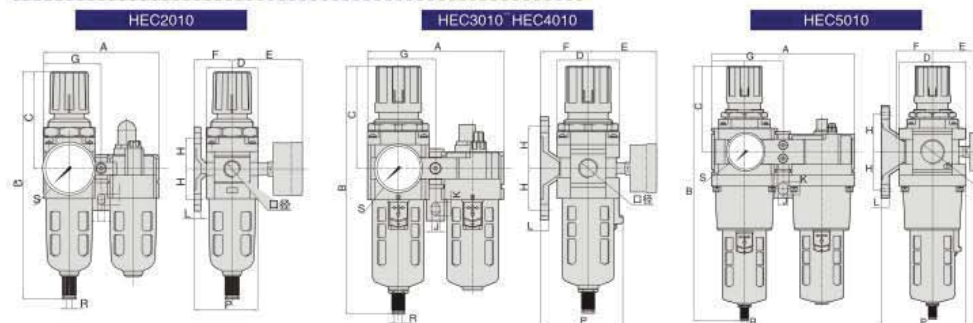
Specifications

Model	HEC2010	HEC3010	HEC4010	HEC5010
Guaranteed pressure resistance(Bar)	15			
Max. working pressure(Bar)	10			
Working temperature(°C)	5~60			
Filter precision	25µm (5µm is optional)			
Recommended oil	透平1号油 Turbine No.1 Oil ISOVG32			
Bowl material	聚碳酸酯 Polycarbonate			
Bowl guard	无 None			有 Available
Pressure adjusting range(Bar)	0.5~8.5			
Valve type	带溢流型 With overflow			

Model	Assembly		Specifications				Accessories
	Filter with pressure reducer	Lubricator	Rated flow (L/min)	Port size (G)	Pressure gauge thread size (G)	Weight (kg)	
HEC2010-01			500	1/8			
HEC2010-02	HEW2000	HEL2000	500	1/4	1/8	0.66	Y20T
HEC3010-02			1700	1/4			
HEC3010-03	HEW3000	HEL3000	1700	3/8	1/8	0.98	Y30T
HEC4010-03			3000	3/8			
HEC4010-04	HEW4000	HEL4000	3000	1/2	1/4	1.93	Y40T
HEC4010-06	HEW4000-06	HEL4000-06	3000	3/4	1/4	1.99	Y50T
HEC5010-06			4000	3/4			
HEC5010-10	HEW5000	HEL5000	4000	1	1/4	3.20	Y60T

* The above information is based on 7.1 Bar supply pressure and 5.1 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
HEC2010	1/8"-1/4"	90	180	78	40	56.8	30	45	24	5.5	8.5	5	50	46	G1/8
HEC3010	1/4"-3/8"	117	218	92.5	53	60.8	41	58.5	35	7	11	7	70.5	48	G1/8
HEC4010-04	1/2"	154	269	112	70	65.5	50	77	40	9	13	7	88	48	G1/4
HEC4010-06	3/4"	164	274	114	70	69.5	50	82	40	9	13	7	88	48	G1/4
HEC5010	3/4"-1"	195	345	116	90	75.5	69.8	97.5	50	12	16	10.5	115	48	G1/4

How to Order?

E -- **C** -- **30** -- **00** -- **03** --

E Series C: Filter+Regulator+Lubricator
 F: Filter
 W: F+R
 R: Regulator
 L: Lubricator

10: 1000 body size
 20: 2000 body size
 25: 2500 body size
 30: 3000 body size
 40: 4000 body size
 50: 5000 body size

10: Two units (F+R)+(L)
 00: Other types

Port size
 M5: M5
 01: 1/8"
 02: 1/4"
 03: 3/8"
 04: 1/2"
 06: 3/4"
 10: 1"

Blank: Manual drain type
 D: Auto drain type

* E series, F,R,L,3000 body size, port size: 3/8", manual drain type, model: EC3000-03

Air source treatment unit kits

ER

NO	NAME	QTY	MATERIAL
26	Regulate handle	1	Resin/nylon
25	Symbol ring	1	Resin/nylon
24	Nut	1	Resin/nylon
23	Cross screw	4	Carbon steel
22	Spring washer	4	Carbon steel
21	Valve cover	1	Resin/nylon
20	Regulate body	1	Carbon steel
19	Washer	1	POW
18	Regulate Nut	1	Carbon steel
17	Spring	1	Carbon steel
16	Spring seat	1	Carbon steel
15	O-ring	1	NBR
14	Diaphragm seat	1	Brass
13	Pipe	1	POW
12	Washer ring	1	Carbon steel
11	O-ring	4	NBR
10	Plug	1	Carbon steel
9	Regulator Body	1	Aluminum
8	Spool	1	Brass
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	Z2NiAl-1

EF

NO	NAME	QTY	MATERIAL
18	Lock	1	ABS
17	Pin	1	ABS
16	Spring	1	Stainless steel
15	Bowl guard	1	Carbon steel
14	Nut	1	Brass
13	Hex 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	Water cup	1	Polycarbonate
6	Drain blade	1	ABS
5	Ball	1	Carbon steel
4	Filter Element	1	Brass
3	Whirling blade	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	Bowl guard	1	Carbon steel
33	Cross screw	4	Carbon steel
32	O-ring	1	Polycarbonate
31	O-ring	1	NBR
30	O-ring	1	NBR
29	O-ring	1	NBR
28	Pin	1	Carbon steel
27	Spring	1	POW
26	Steel Ball	1	Carbon steel
25	O-ring	1	NBR
24	Hex screw	4	Carbon steel
23	Spring Washer	4	Carbon steel
22	Washer	1	Aluminum
21	Fiber Element	1	Brass
20	Spring	2	Carbon steel
19	Steel ball seat	1	Z2NiAl-1
18	Steel ball	1	NBR
17	Small hole seat	1	Brass
16	Spring	1	Stainless steel
15	Steel ball	1	Carbon steel
14	Small hole seat	1	Brass
13	Head seat	1	Z2NiAl-1
12	Head	1	Polycarbonate
11	O-ring	1	Brass
10	O-ring	1	NBR
9	Regulate needle	1	Brass
8	Levitate body	1	Aluminum
7	W-ring	1	ABS
6	O-ring tube	1	Polycarbonate
5	O-ring	1	NBR
4	O-ring tube	1	Polycarbonate
3	O-ring	1	NBR
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	POW
38	Regulate Nut	1	Carbon steel
37	Spring washer	4	Carbon steel
36	Cross screw	4	Carbon steel
35	Valve cover	1	Resin/nylon
34	Nut	1	Carbon steel
33	Symbol ring	1	Resin/nylon
32	Regulate body	1	Carbon steel
31	Valve core	1	Z2NiAl-1
30	Spring	1	Stainless steel
29	Beaker ring	1	ABS
28	O-ring	1	NBR
27	Valve core	1	Brass
26	Spring	1	Brass/NBR
25	Plug	1	Carbon steel
24	Regulate Body	1	Aluminum
23	O-ring	1	NBR
22	Regulate ring	1	Carbon steel
21	Spring	1	NBR
20	Diaphragm seat	1	Brass
19	Diaphragm	1	NBR
18	Diaphragm Filter	1	Carbon steel
17	Diaphragm	1	NBR
16	Diaphragm	1	Carbon steel
15	O-ring	1	Polycarbonate
14	Drain blade	1	ABS
13	Ball	1	Carbon steel
12	Filter element	1	Brass
11	Whirling blade	1	ABS
10	Drain valve	1	Carbon steel
9	Spring	1	Stainless steel
8	Pin	1	Carbon steel
7	Spring	1	Stainless steel
6	Pin	1	Carbon steel
5	Spring	1	Stainless steel
4	Pin	1	Carbon steel
3	Spring	1	Stainless steel
2	Pin	1	Carbon steel
1	Valve core	1	Brass

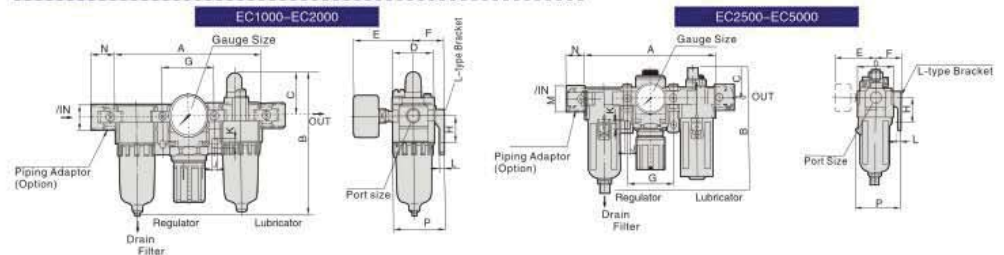
Specifications

Model	EC1000	EC2000	EC2500	EC3000	EC4000	EC5000
Guaranteed pressure resistance(Bar)	15					
Max. working pressure(Bar)	10					
Working temperature(C)	5-60					
Filter precision	25 μm (5 μm is optional)					
Recommended oil	Turbine No.1 oil ISOVG32					
Bowl material	Polycarbonate			Available		
Bowl guard	None			Available		
Pressure adjusting range(Bar)	0.5-8.5					
Valve type	With overflow					

Model	Assembly			Specifications				Accessories
	Filter	Regulator	Lubricator	Rated flow (L/min)	Port size (G)	Pressure gauge thread size (G)	Weight (kg)	Bracket(2个)
EC1000-M5	EF1000	ER1000	EL1000	90	M5	1/16	0.26	Y10L
EC2000-01	EF2000	ER2000	EL2000	500	1/8	1/8	0.74	Y20L
EC2500-02	EF3000	ER2500	EL3000	1500	1/4	1/8	1.04	Y30L
EC2500-03	EF3000	ER2500	EL3000	1500	3/8	1/8	1.04	Y30L
EC3000-02	EF3000	ER3000	EL3000	2000	1/4	1/8	1.18	Y30L
EC3000-03	EF3000	ER3000	EL3000	2000	3/8	1/8	1.18	Y30L
EC4000-03	EF4000	ER4000	EL4000	4000	1/2	1/4	2.14	Y40L
EC4000-04	EF4000	ER4000	EL4000	4000	3/4	1/4	2.47	Y50L
EC4000-06	EF4000-06	ER4000-06	EL4000-06	4500	3/4	1/4	2.47	Y50L
EC5000-06	EF5000	ER5000	EL5000	5000	3/4	1/4	3.82	Y60L
EC5000-10	EF5000	ER5000	EL5000	5000	1	1/4	3.82	Y60L

* The above information is based on 7.1 Bar supply pressure and 5.1 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	N	P
EC1000	M5	91	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	125	38	40	56.8	30	50	24	5.5	8.5	5	22	23	50
EC2500	1/4"-3/8"	181	156.5	38	53	60.8	41	64	35	7	11	7	34.2	26	70.5
EC3000	1/4"-3/8"	181	156.5	38	53	60.8	41	64	35	7	11	7	34.2	26	70.5
EC4000	3/8"-1/2"	238	191.5	41	70	65.5	50	84	40	9	13	7	42.2	33	88
EC4000-06	3/4"	253	193	40.5	70	69.5	50	89	40	9	13	7	46.2	36	88
EC5000	3/4"-1"	300	271.5	48	90	75.5	69.8	105	50	12	16	10.5	55.2	40	115

How to Order?

E -- **C** -- **30** -- **00** -- **03** --

E Series C: Filter+Regulator+Lubricator
 F: Filter
 W: F+R
 R: Regulator
 L: Lubricator

10: 1000 body size
 20: 2000 body size
 25: 2500 body size
 30: 3000 body size
 40: 4000 body size
 50: 5000 body size

10: Two units (F+R)+(L)
 00: Other types

Port size
 M5: M5
 01: 1/8"
 02: 1/4"
 03: 3/8"
 04: 1/2"
 06: 3/4"
 10: 1"

Blank: Manual drain type
 D: Auto drain type

* E series, F,R,L,3000 body size, port size: 3/8", manual drain type, model: EC3000-03

Air source treatment unit kits

ER

NO.	NAME	QTY	MATERIAL
26	Regulate handle	1	Resin/nylon
25	Symbol ring	1	Resin/nylon
24	Nut	1	Resin/nylon
23	Cross screw	4	Carbon steel
22	Spring washer	4	Carbon steel
21	Valve cover	1	Resin/nylon
20	Regulate body	1	Carbon steel
19	Washer	1	POW
18	Regulate Nut	1	Carbon steel
17	Spring	1	Carbon steel
16	Spring seat	1	Carbon steel
15	O-ring	1	NBR
14	Diaphragm seat	1	Brass
13	Pipe	1	POW
12	Washer ring	1	Carbon steel
11	O-ring	4	NBR
10	Plug	1	Carbon steel
9	Regulator Body	1	Aluminum
8	Spool	1	Brass
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	Z2NiAl-1

EF

NO.	NAME	QTY	MATERIAL
18	Lock	1	ABS
17	Pin	1	ABS
16	Spring	1	Stainless steel
15	Bowl guard	1	Carbon steel
14	Nut	1	Brass
13	Hex 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	Water cup	1	Polycarbonate
6	Drain blade	1	ABS
5	Ball	1	Carbon steel
4	Filter Element	1	Brass
3	Whirling blade	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	Bowl guard	1	Carbon steel
33	Cross screw	4	Carbon steel
32	O-ring	1	Polycarbonate
31	O-ring	1	NBR
30	O-ring	1	NBR
29	Pin	1	ABS
28	Spring	1	Carbon steel
27	Steel Ball	1	Carbon steel
26	O-ring	1	NBR
25	Hex screw	4	Carbon steel
24	Spring Washer	4	Carbon steel
23	Washer	1	Aluminum
22	Filter Element	1	Brass
21	Filter Element	1	Brass
20	Spring	2	Carbon steel
19	Steel ball seat	1	Z2NiAl-1
18	Steel ball	1	NBR
17	Small hole seat	1	Brass
16	Spring	1	Stainless steel
15	Steel ball	1	Carbon steel
14	Small hole seat	1	Brass
13	Head seat	1	Z2NiAl-1
12	Head	1	Polycarbonate
11	O-ring	1	Brass
10	O-ring	1	Brass
9	Regulate needle	1	Brass
8	Regulator body	1	Aluminum
7	O-ring	1	NBR
6	O-ring	1	Polycarbonate
5	O-ring	1	Polycarbonate
4	O-ring	1	Polycarbonate
3	O-ring	1	ABS
2	O-ring	1	ABS
1	Plug	1	ABS

EW

NO.	NAME	QTY	MATERIAL
41	Spring	1	Carbon steel
40	Regulate Nut	1	Carbon steel
39	Washer	1	POW
38	Regulate Nut	1	Carbon steel
37	Spring washer	4	Carbon steel
36	Cross screw	4	Carbon steel
35	Valve cover	1	Resin/nylon
34	Nut	1	Carbon steel
33	Symbol ring	1	Resin/nylon
32	Regulate body	1	Carbon steel
31	Valve core	1	Z2NiAl-1
30	Spring	1	Stainless steel
29	Beaker ring	1	ABS
28	O-ring	1	NBR
27	Valve core	1	Brass
26	Spring	1	Brass/NBR
25	Plug	1	Carbon steel
24	Regulate Body	1	Aluminum
23	O-ring	1	NBR
22	Regulate ring	1	Carbon steel
21	Pin	1	NBR
20	Diaphragm seat	1	Brass
19	Diaphragm	1	NBR
18	Spring Filter	1	Carbon steel
17	Diaphragm	1	NBR
16	O-ring	1	Polycarbonate
15	Drain blade	1	ABS
14	Ball	1	Carbon steel
13	Filter element	1	Brass
12	Whirling blade	1	ABS
11	Drain valve	1	Carbon steel
10	Spring	1	Stainless steel
9	Lock	1	ABS
8	Pin	1	ABS
7	Hex Nut	1	Brass
6	O-ring	1	NBR
5	Drain valve	1	Brass
4	O-ring	1	NBR
3	O-ring	1	NBR
2	Spring	1	Stainless steel
1	Valve core	1	Brass

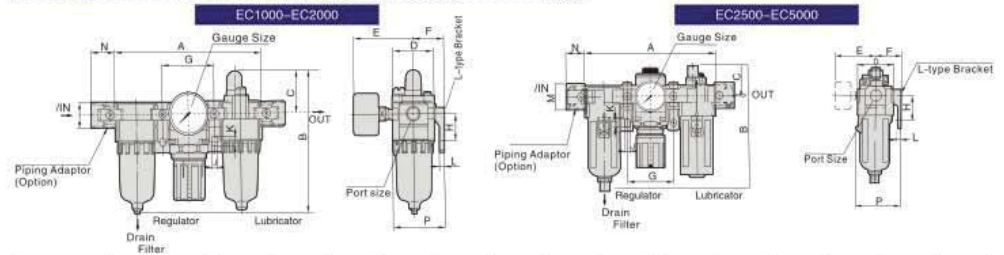
Specifications

Model	EC1000	EC2000	EC2500	EC3000	EC4000	EC5000
Guaranteed pressure resistance(Bar)	15					
Max. working pressure(Bar)	10					
Working temperature(C)	5-60					
Filter precision	25 μm (5 μm is optional)					
Recommended oil	Turbine No.1 oil ISOVG32					
Bowl material	Polycarbonate			Available		
Bowl guard	None			Available		
Pressure adjusting range(Bar)	0.5-8.5					
Valve type	With overflow					

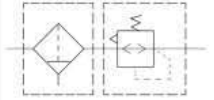
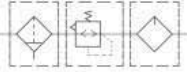
Model	Assembly			Specifications				Accessories
	Filter	Regulator	Lubricator	Rated flow (L/min)	Port size (G)	Pressure gauge thread size (G)	Weight (kg)	
EC1000-M5	EF1000	ER1000	EL1000	90	M5	1/16	0.26	Y10L
EC2000-01	EF2000	ER2000	EL2000	500	1/8	1/8	0.74	Y20L
EC2500-02	EF3000	ER2500	EL3000	1500	1/4	1/8	1.04	Y30L
EC2500-03				3/8	1/8	1.18	Y30L	
EC3000-02	EF3000	ER3000	EL3000	2000	1/4	1/8	1.18	Y30L
EC3000-03				3/8	1/8	1.18	Y30L	
EC4000-03	EF4000	ER4000	EL4000	4000	3/8	1/4	2.14	Y40L
EC4000-04				1/2	1/4	2.14	Y40L	
EC4000-06	EF4000-06	ER4000-06	EL4000-06	4500	3/4	1/4	2.47	Y50L
EC5000-06	EF5000	ER5000	EL5000	5000	3/4	1/4	3.82	Y60L
EC5000-10					1	1/4	3.82	Y60L

* The above information is based on 7.1 Bar supply pressure and 5.1 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	N	P
EC1000	M5	91	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	125	38	40	56.8	30	50	24	5.5	8.5	5	22	23	50
EC2500	1/4"-3/8"	181	156.5	38	53	60.8	41	64	35	7	11	7	34.2	26	70.5
EC3000	1/4"-3/8"	181	156.5	38	53	60.8	41	64	35	7	11	7	34.2	26	70.5
EC4000	3/8"-1/2"	238	191.5	41	70	65.5	50	84	40	9	13	7	42.2	33	88
EC4000-06	3/4"	253	193	40.5	70	69.5	50	89	40	9	13	7	46.2	36	88
EC5000	3/4"-1"	300	271.5	48	90	75.5	69.8	105	50	12	16	10.5	55.2	40	115



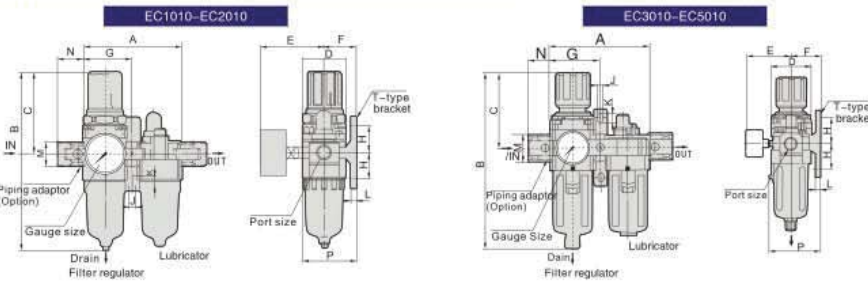
Specifications

Model	EC1010	EC2010	EC2510	EC3010	EC4010	EC5010
Guaranteed pressure resistance(Bar)	15					
Max. working pressure(Bar)	10					
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(Bar)	0.5~8.5					
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						
EC1010-M5	EW1000	EL1000	90	M5	1/16	0.22	Y10T
EC2010-01	EW2000	EL2000	500	1/8	1/8	0.66	Y20T
EC2010-02				1/4	1/4		
EC3010-02	EW3000	EL3000	1700	1/4	1/8	0.98	Y30T
EC3010-03				3/8	3/8		
EC4010-03				3/8	3/8		
EC4010-04	EW4000	EL4000	3000	1/2	1/4	1.93	Y40T
EC4010-06	EW4000-06	EL4000-06	3000	3/4	1/4	1.99	Y50T
EC5010-06	EW5000	EL5000	4000	3/4	1/4	3.20	Y60T
EC5010-10				1	1/4		

* The above information is based on 7.1 Bar supply pressure and 5.1 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	N	P
EC1010	M5	58	109.5	50.5	25	26	25	29	20	4.5	7.5	5	17.5	16	38.5
EC2010	1/8"-1/4"	90	164.5	78	40	56.8	30	45	24	5.5	8.5	5	22	23	50
EC3010	1/4"-3/8"	117	211	92.5	53	60.8	41	58.5	35	7	11	7	34.2	26	70.5
EC4010	1/4"-3/8"	154	262	112	70	65.5	50	77	40	9	13	7	42.2	33	88
EC4010-06	3/4"	164	267	114	70	69.5	50	82	40	9	13	7	46.2	36	88
EC5010	3/4"-1"	195	338	116	90	75.5	69.8	97.5	50	12	16	10.5	55.2	40	115

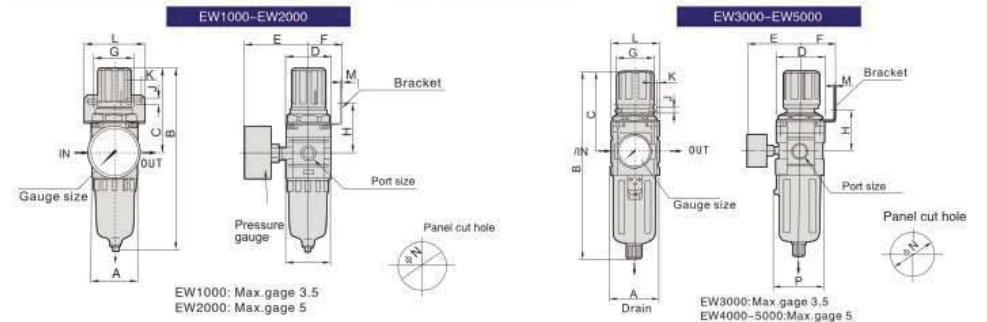
Specifications

Model	EW1000	EW2000	EW3000	EW4000	EW5000
Guaranteed pressure resistance(Bar)	15				
Max. working pressure(Bar)	10				
Working temperature(°C)	5~60				
Filter precision	25 μm (5 μm is optional)				
Bowl material	Polycarbonate				
Bowl guard	None	Available			Available
Pressure adjusting range(Bar)	0.5~8.5				
Valve type	With overflow				

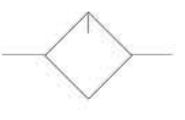
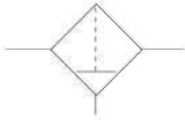
Model	Specifications				Accessories		
	Rated flow (L/min)	Port size (G)	Pressure gauge thread size (G)	Weight (kg)	Bracket	Drain function	Auto drain model
EW1000-M5	100	M5	1/16	0.09	B120	手动排水 Manual drain	EW2000-01D
EW2000-01	550	1/8	1/8	0.36	B220		EW2000-02D
EW2000-02		1/4	1/8			EW3000-02D	
EW3000-02	2000	1/4	1/8	0.56	B320	a.零压排水 Zero pressure drain	EW3000-03D
EW3000-03		3/8	3/8				EW4000-03D
EW4000-03		3/8	1/4				1.15
EW4000-04	4000	1/2	1/4	1.21	B420	A.手动排水 Manual drain	EW4000-06D
EW4000-06	4500	3/4	1/4	1.70			EW5000-06D
EW5000-06	5500	3/4	1/4	1.70			EW5000-06D
EW5000-10		1	1/4				EW5000-10D

* The above information is based on 7.1 Bar supply pressure and 5.1 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	N	P
EW1000	M5	25	109.5	50.5	25	26	25	28	30	4.5	6.5	40	2	20.5	28
EW2000	1/8"-1/4"	40	164.5	78	40	56.8	30	34	43.5	5.4	15.4	55	2.3	33.5	40
EW3000	1/4"-3/8"	53	211	92.5	53	60.8	39	40	46	6.5	8	53	2.3	42.5	56
EW4000	3/8"-1/2"	70	262	112	70	70.5	49.2	54	53.5	8.5	10.5	70	2.3	52.5	73
EW4000-06	3/4"	75	267	114	70	70.5	49.2	54	55.5	8.5	10.5	70	2.3	52.5	73
EW5000	3/4"-1"	90	338	116	90	75.5	49.2	54	62	8.5	10.5	70	2.3	52.5	90



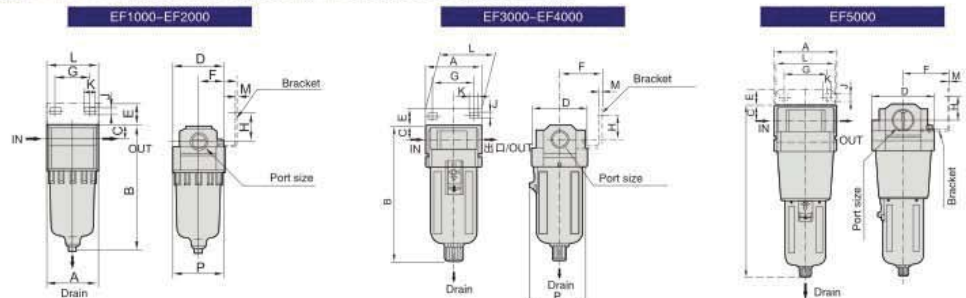
Specifications

Model	EF1000	EF2000	EF3000	EF4000	EF5000
Guaranteed pressure resistance(Bar)	15				
Max. working pressure(Bar)	10				
Working temperature(°C)	5~60				
Filter precision	25 μm (5 μm is optional)				
Bowl material	Polycarbonate				
Bowl guard	None		Available		
Pressure adjusting range(Bar)	0.5~8.5				
Valve type	With overflow				

Model	Specifications				Accessories	Drain function	Auto drain model
	Rated flow (L/min)	Port size (G)	Bowl capacity (CM ³)	Weight(kg)			
EF1000-M5	110	M5	4	0.07	-	Manual drain	EF2000-01D
EF2000-01	750	1/8	15	0.19	B240		EF2000-02D
EF2000-02		1/4					EF3000-02D
EF3000-02	1500	1/4	20	0.29	B340	EF3000-03D	
EF3000-03		3/8				EF4000-03D	
EF4000-03		3/8				EF4000-04D	
EF4000-04	4000	1/2	45	0.55	B440	Zero pressure drain	EF4000-06D
EF4000-06	6000	3/4	45	0.58	B540		EF5000-06D
EF5000-06	7000	3/4	130	1.08	B640		EF5000-10D
EF5000-10		1				Manual drain	

* The above information is based on 7.1 Bar supply pressure and 5.1 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
EF1000	M5	25	66	7	25	-	-	-	-	-	-	-	-	26.5
EF2000	1/8"-1/4"	40	97.5	11	40	17	30	27	22	5.4	8.4	40	2.3	40
EF3000	1/4"-3/8"	53	132.5	14	53	16	41	40	23	6.5	8	53	2.3	56
EF4000	3/8"-1/2"	70	168.5	18	70	17	50	54	26	8.5	10.5	70	2.3	73
EF4000-06	3/4"	75	172.5	20	70	14	50	54	25	8.5	10.5	70	2.3	73
EF5000	3/4"-1"	90	247.5	24	90	23	66.5	66	35	11	13	90	3.2	90

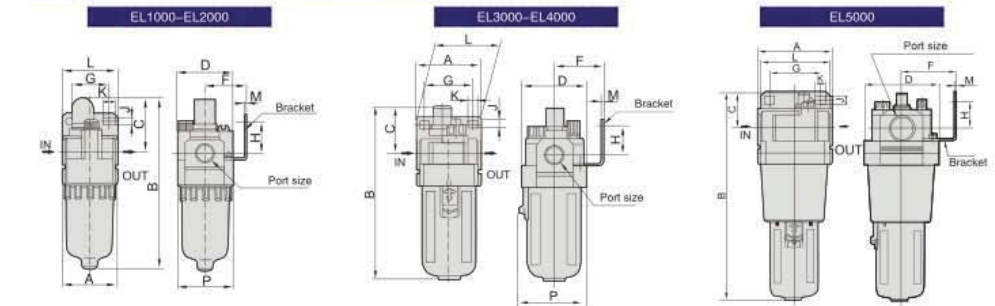
Specifications

Model	EL1000	EL2000	EL2500	EL3000	EL4000	EL5000
Guaranteed pressure resistance(Bar)	15					
Max. working pressure(Bar)	10					
Working temperature(°C)	5~60					
Recommended oil	Turbine No 1 Oil . ISOVG32					
Bowl material	Polycarbonate					
Bowl guard	None			Available		
Valve type	With overflow					

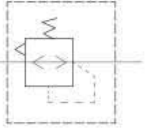
Model	Specifications					Accessories
	Minimal flow of oil drop (L/min)	Rated flow (L/min)	Port size (G)	Bowl capacity (CM ³)	Weight (kg)	
EL1000-M5	4	95	M5	7	0.07	-
EL2000-01	15	800	1/8	25	0.22	B240
EL2000-02			1/4			
EL3000-02	30	1700	1/4	50	0.50	B340
EL3000-03			3/8			
EL4000-03			3/8			
EL4000-04	50	5000	1/2	130	0.56	B440
EL4000-06			3/4			
EL5000-06	190	7000	3/4	130	1.08	B640
EL5000-10			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 Dimensions (mm)



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	122	38	40	30	27	22	5.4	8.4	40	2.3	40
EL3000	1/4"-3/8"	53	142	38	53	41	40	23	6.5	8	53	2.3	56
EL4000	3/8"-1/2"	70	177	41	70	50	54	26	8.5	10.5	70	2.3	73
EL4000-06	3/4"	75	177	39	70	50	54	25	8.5	10.5	70	2.3	73
EL5000	3/4"-1"	90	254	45	90	66.5	66	35	11	13	90	3.2	90



Specifications

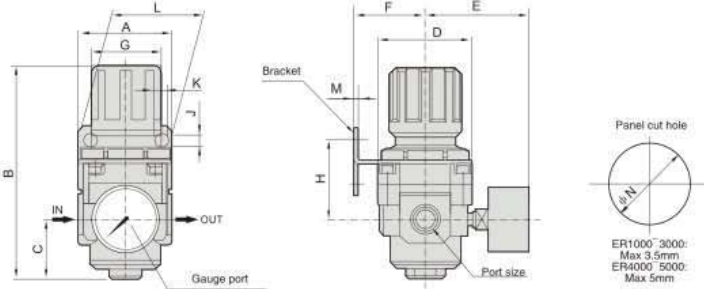
Model	ER1000	ER2000	ER2500	ER3000	ER4000	ER5000
Guaranteed pressure resistance(Bar)	15					
Max. working pressure(Bar)	10					
Working temperature(°C)	5 60					
Pressure adjusting range(Bar)	0.5 8.5					
Valve type	With overflow					

Model	Specifications				Accessories
	Rated flow (L/min)	Port size (G)	Pressure gauge thread size (G)	Weight (kg)	
ER1000-M5	100	M5	1/16	0.08	B120
ER2000-01	550	1/8	1/8	0.27	B220
ER2000-02		1/4			
ER2500-02	2000	1/4	1/8	0.27	B220
ER2500-03		3/8			
ER3000-02	2500	1/4	1/8	0.41	B320
ER3000-03		3/8			
ER4000-03	6000	3/8	1/4	0.84	
ER4000-04		1/2			
ER4000-06	6000	3/4	1/4	0.94	B420
ER5000-06		3/4			
ER5000-10	8000	1	1/4	1.19	

* The above information is based on 7.1 Bar supply pressure and 5.1 Bar set pressure
* NPT,PT port size is optional

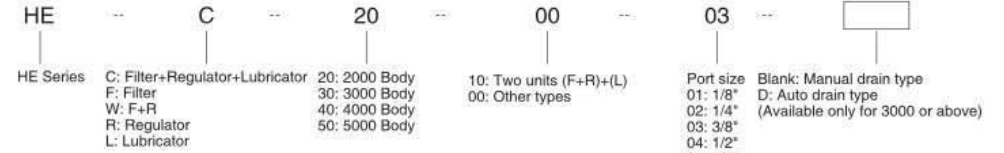
Main Dimensions (mm)

ER1000-ER5000



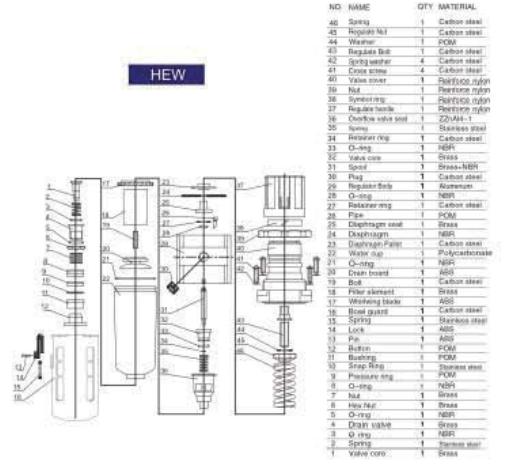
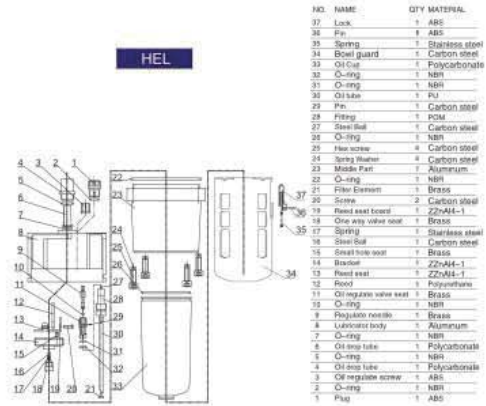
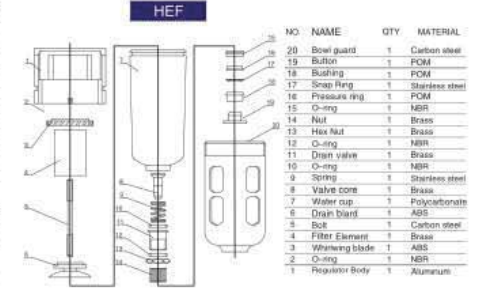
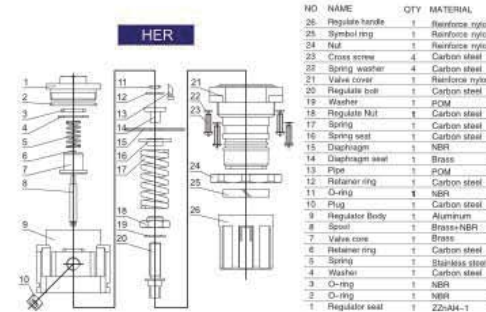
Model	Port Size (G)	A	B	C	D	E	F	G	H	J	K	L	M	N
ER1000	M5	25	61.5	11	25	26	25	28	30	4.5	6.5	40	2	20.5
ER2000	1/8"-1/4"	40	95	17	40	56.8	30	34	44	5.4	15.4	55	2.3	33.5
ER2500	1/4"-3/8"	53	102.5	25	48	60.8	30	34	44	5.4	15.4	55	2.3	33.5
ER3000	1/4"-3/8"	53	127.5	35	53	60.8	39	40	46	6.5	8	53	2.3	42.5
ER4000	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	49.2	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

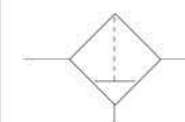
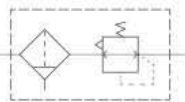
How to Order?



* HE series,F,R,L,3000 body size,port size: 3/8",manual drain type,model: HEC3000-03

Air source treatment unit kits





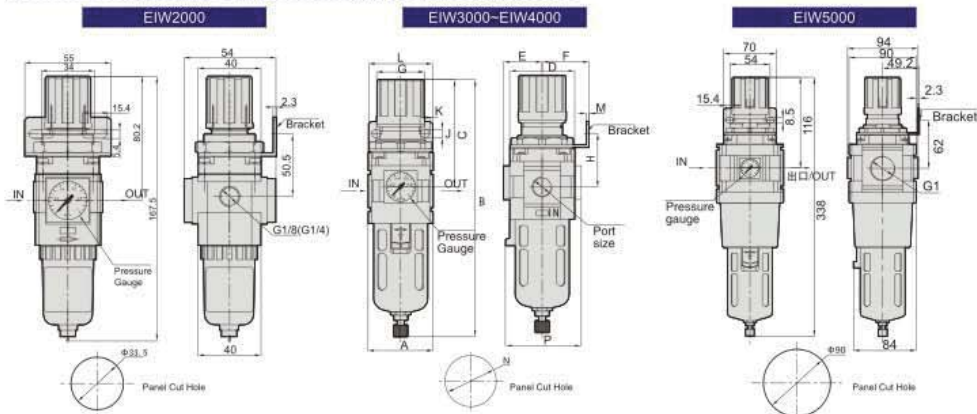
Specifications

Model	EIW2000	EIW3000	EIW4000	EIW5000
Guaranteed pressure resistance(Bar)	15			
Max. working pressure(Bar)	10			
Working temperature(°C)	5~60			
Filter precision	25 μm(5 μm is optional)			
Bowl material	Polycarbonate			
Bowl guard	None	Available		
Pressure adjusting range(Bar)	0.5~8.5			
Valve type	With overflow			

Model	Specifications			Drain function	Auto drain model
	Rated flow (L/min)	Port size(G)			
EIW2000-01	550	1/8	Manual drain	Zero pressure drain	EIW2000-01D
EIW2000-02		1/4			EIW2000-02D
EIW3000-02		1/4			EIW3000-02D
EIW3000-03	2000	3/8	Zero pressure drain	Zero pressure drain	EIW3000-03D
EIW4000-03		3/8			EIW4000-03D
EIW4000-04	4000	1/2	Manual drain	Manual drain	EIW4000-04D
EIW5000-06		3/4			EIW5000-06D
EIW5000-10	5500	1			EIW5000-10D

* The above information is based on 7.1 Bar supply pressure and 5.1 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	N	P
EIW3000	1/4"-3/8"	54	213	89	54	32	39	40	45	6.5	8	53	2.3	42.5	63
EIW4000	3/8"-1/2"	70	259	111	70	42	49.2	54	53.5	8.5	10.5	70	2.3	52.5	74

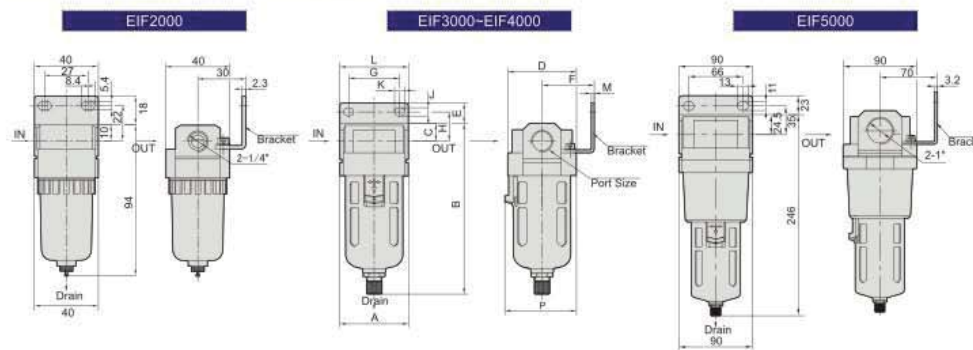
Specifications

Model	EIF2000	EIF3000	EIF4000	EIF5000
Guaranteed pressure resistance(Bar)	15			
Max. working pressure(Bar)	10			
Working temperature(°C)	5~60			
Filter precision	25 μm (5 μm is optional)			
Bowl material	Polycarbonate			
Bowl guard	None	Available		
Pressure adjusting range(Bar)	0.5~8.5			
Valve type	With overflow			

Model	Specifications			Drain function	Auto drain model
	Rated flow (L/min)	Port size (G)	Bowl capacity (cm ³)		
EIF2000-01	750	1/8	15	手动排水 Manual drain	EIF2000-01D
EIF2000-02		1/4			EIF2000-02D
EIF3000-02		1/4			EIF3000-02D
EIF3000-03	1500	3/8	20	a. 零压排水 Zero pressure drain b. 手动排水 Manual drain	EIF3000-03D
EIF4000-03		3/8			EIF4000-03D
EIF4000-04	4000	1/2	45	Zero pressure drain Manual drain	EIF4000-04D
EIF5000-06		3/4			EIF5000-06D
EIF5000-10	7000	1	130		EIF5000-10D

* The above information is based on 7.1 Bar supply pressure and 5.1 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
EIF3000	1/4"-3/8"	54	134	14	54	16	41	40	23	6.5	8	54	2.3	56
EIF4000	3/8"-1/2"	70	165	18	70	17	50	54	26	8.5	10.5	70	2.3	73