

Obsolete
See Mass Pro Series

Air Combination Air Filter + Regulator + Lubricator

AC1000 to 6000



Standard Specifications

Model		AC1000	AC2000	AC2500	AC3000	AC4000	AC4000-06	AC5000	AC5500	AC6000
Combination equipment	Air filter	AF1000	AF2000	AF3000	AF3000	AF4000	AF4000-06	AF5000	AF6000	AF6000
	Regulator	AR1000	AR2000	AR2500	AR3000	AR4000	AR4000-06	AR5000	AR5000	AR6000
	Lubricator	AL1000	AL2000	AL3000	AL3000	AL4000	AL4000-06	AL5000	AL6000	AL6000
Port size		M5 X 0.8	1/8 1/4	1/4 3/8	1/4 3/8	1/4 3/8 1/2	3/4	3/4 1	1	1
Gauge port size		1/16	1/8	1/8	1/8	1/4	1/4	1/4	1/4	1/4
Fluid		Air								
Proof pressure		1.5 MPa								
Max. operating pressure		1.0 MP								
Set pressure range		0.05 to 0.7 MPa	0.05 to 0.85 MPa							
Flow (l/min(ANR))(Port size) ⁽¹⁾		90 (M5 X 0.8)	500(1/4)	1500(3/8)	2000(3/8)	4000(1/2)	4500(3/4)	5000(3/4)	6000(1)	6000(1)
Ambient and fluid temperature		-5 to 60°C (Non-freezing)								
Filtration		5μm								
Recommended lubricant		Turbine oil class 1 (ISO VG32)								
Bowl material		Polycarbonate								
Construction/Regulator		Relieving style								
Weight (kg)		0.26	0.74	1.04	1.18	2.14	2.47	3.82	4.04	4.39
Accessory (Standard equipment)	Bowl guard	—	—	●	●	●	●	●	●	●
	Bracket	B110L	B210L	B310L	B310L	B410L	B510L	B610L	B610L	B610L

Note 1) Supply pressure: 0.7 MPa, Set pressure: 0.5 MPa

Attachments/Accessories (Options)

Description		Part No.								
		For AC1000	For AC2000	For AC2500	For AC3000	For AC4000	For AC4000-06	For AC5000	For AC5500	For AC6000
Attachment	Piping adapter	E10-M5	E20- ⁰¹ ₀₂ ⁰² ₀₃	E30- ⁰² ₀₃ ⁰³ ₀₄	E30- ⁰² ₀₃ ⁰³ ₀₄	E40- ⁰² ₀₃ ⁰³ ₀₄ ⁰⁶	E50-□06	E60- ⁰⁶ ₁₀	E60- ⁰⁶ ₁₀	E60- ⁰⁶ ₁₀
	Pressure switch with piping adapter	—	IS1000E- ⁰¹ ₀₂ ⁰³	IS1000E- ² ₀₃ ⁰⁴	IS1000E- ³ ₀₃ ⁰⁴	IS1000E- ⁴ ₀₃ ⁰⁴ ⁰⁶	—	—	—	—
	Check valve ⁽²⁾	—	AKM2000- ⁰¹ ₀₂	AKM3000- ⁰¹ ₀₂	AKM3000- ⁰¹ ₀₂	AKM4000- ⁰² ₀₃	—	—	—	—
	Pressure switch	—	IS1000M-2Y	IS1000M-3Y	IS1000M-3Y	IS1000M-4Y	IS1000M-5Y	IS1000M-6Y	IS1000M-6Y	IS1000M-6Y
	T type interface ⁽²⁾	Y11-M5	Y21- ⁰¹ ₀₂	Y31- ⁰¹ ₀₂	Y31- ⁰¹ ₀₂	Y41- ⁰² ₀₃	Y51- ⁰² ₀₃	Y61- ⁰³ ₀₄	Y61- ⁰³ ₀₄	Y61- ⁰³ ₀₄
	Residual press. exhaust 3 port valve	—	VHS2000- ⁰¹ ₀₂	VHS3000- ⁰² ₀₃	VHS3000- ⁰² ₀₃	VHS4000- ⁰² ₀₃ ⁰⁴	—	—	—	—
	Cross interface	Y14-M5	Y24- ⁰¹ ₀₂	Y34- ⁰¹ ₀₂	Y34- ⁰¹ ₀₂	Y44- ⁰² ₀₃	Y54- ⁰³ ₀₄	—	—	—
Accessory	T type bracket	B110T	B210T	B310T	B310T	B410T	B510T	B610T	B610T	B610T
	Interface	Y10	Y20	Y30	Y30	Y40	Y50	Y60	Y60	Y60
	Pressure gauge	1.0MPa	G27-10-R1	G36-10-□01	G36-10-□01	G46-10-□02	G46-10-□02	G46-10-□02	G46-10-□02	G46-10-□02
			(G27-10-R1) ⁽³⁾	G36-2-□01	G36-2-□01	G46-2-□02	G46-2-□02	G46-2-□02	G46-2-□02	G46-2-□02
	Auto drain float ⁽⁴⁾	N.O.	—	AD43	AD43	AD44	AD44	AD44	AD44	AD44
		N.C.	—	AD53	AD53	AD54	AD54	AD54	AD54	AD54
Auto drain w/ press. diff.		AD61	AD62	—	—	—	—	—	—	—

Note 2) Standard specification of air combination: Port size without ()

Note 3) Use the one for 1.0MPa

Note 4) Minimum operating pressure: N.O. 0.1 MPa, N.C. 0.15MPa *-01, -02, -03, -04, -06, -10 after part number indicate port size. (01: 1/8, 02: 1/4, 03: 3/8, 04: 1/2, 06: 3/4, 10: 1)

Note 5) □ in the part number indicate a connecting thread. Use nothing for Rc(PT), N for NPT and F for G(PF). G(PF) pressure gauge is unavailable.

Consult SMC for NPT pressure gauges.

Air Combination Filter Regulator + Lubricator

AC1010 to 4010



AC3010

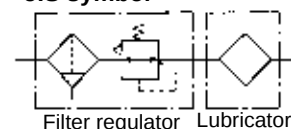


AC2010



AC1010

JIS symbol



Filter regulator Lubricator

Standard Specifications

Model		AC1010	AC2010	AC3010	AC4010	AC4010-06
Combination equipment	Filter regulator	AW1000	AW2000	AW3000	AW4000	AW4000-06
	Lubricator	AL1000	AL2000	AL3000	AL4000	AL4000-06
Port size		M5 X 0.8	1/8 1/4	1/4 3/8	1/4 3/8 1/2	3/4
Gauge port size (Rc(PT))		1/16	1/8	1/8	1/4	1/4
Fluid		Air				
Proof pressure		1.5MPa				
Max. operating pressure		1.0MPa				
Set pressure range		0.05 to 0.7 MPa	0.05 to 0.85 MPa			
Flow (l/min(ANR)) (Port size) ⁽¹⁾		90(M5 X 0.8)	500(1/4)	1700(3/8)	3000(1/2)	3000(3/4)
Ambient and fluid temperature		-5 to 60°C (Non-freezing)				
Filtration		5μm				
Recommended lubricant		Turbin oil class 1 (ISO VG32)				
Bowl material		Polycarbonate				
Construction/Filter regulator		Relieving style				
Weight (kg)		0.22	0.66	0.98	1.93	1.99
Accessory (Standard equipment)	Bowl guard	—	—	●	●	●
	Bracket ⁽²⁾	B110T	B210T	B310T	B410T	B510T

 Note 1) Conditions: Supply pressure 0.7MPa, Set pressure 0.5MPa
Note 2) For a set of 3 pieces or more: L type bracket

Attachments/Accessories (Options)

			Part No.				
			For AC1010	For AC2010	For AC3010	For AC4010	For AC4010-06
Attachment	Description \ Model						
	Piping adapter		E10-M5	E20- □01 □02 □03	E30- □02 □03 □04	E40- □02 □03 □04 □06	E50-□06
	Pressure switch with piping adapter		—	IS1000E- 2□01 2□02 2□03 Y	IS1000E- 3□02 3□03 3□04 Y	1S1000E- 4□02 4□03 4□04 4□06 Y	—
	Check valve (3)		—	AKM2000- □01 □02	AKM3000- □01 □02	AKM4000- □02 □03	—
	Residual pressure exhaust 3 port valve		—	VHS2000- □01 □02	VHS3000- □02 □03	VHS4000- □02 □03 □04	—
Accessory	Cross interface		Y14-M5	Y24- □01 □02	Y34- □01 □02	Y44- □02 □03	Y54- □03 □04
	Interface		Y10	Y20	Y30	Y40	Y50
	Pressure gauge	1.0MPa	G27-10-R1	G36 -10-□01	G36-10-□01	G46-10-□02	G46-10-□02
		0.2MPa	(G27-10-R1) ⁽⁴⁾	G36-2-□01	G36-2-□01	G46-2-□02	G46-2-□02
	Auto drain float style ⁽⁵⁾	N.O.	—	—	AD43	AD44	AD44
		N.C.	—	—	AD53	AD54	AD54
Auto drain pressure differential style			AD61	AD62	—	—	—

 Note 3) Standard specification of air combination: Port size without ()
Note 4) Substitute 1.0MPa type. *-01, -02, -03, -04, -06, after part number indicate port size. (-01: 1/8, -02: 3/8, -03: 3/8, -04: 1/2, -06: 3/4)
Note 5) Minimum operating pressure: N.O. 0.1MPa, N.C. 0.15MPa
Note 6) □ in the part number indicate a connecting thread. Use nothing for Rc(PT), N for NPT and F for G(PF). G(PF) pressure gauge is unavailable.
Consult SMC for NPT pressure gauges.

Air Combination Air Filter + Regulator

AC1020 to 6020



AC4020



AC3020

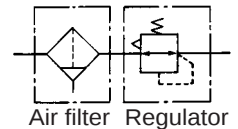


AC2020



AC1020

JIS Symbol



Standard Specifications

Model		AC1020	AC2020	AC2520	AC3020	AC4020	AC4020-06	AC5020	AC5520	AC6020
Combination equipment	Air filter	AF1000	AF2000	AF3000	AF3000	AF4000	AF4000-06	AF5000	AF6000	AF6000
	Regulator	AR1000	AR2000	AR2500	AR3000	AR4000	AR4000-06	AR5000	AR5000	AR6000
Port size		M5 X 0.8	1/8 1/4	1/4 3/8	1/4 3/8	1/4 3/8 1/2	3/4	3/4 1	1	1
Gauge port size		1/16	1/8	1/8	1/8	1/4	1/4	1/4	1/4	1/4
Fluid		Air								
Proof pressure		1.5 MPa								
Max. operating pressure		1.0 MPa								
Set pressure range		0.05 to 0.7 MPa	0.05 to 0.85 MPa							
Flow (l/min(ANR))(Port size) ⁽¹⁾		100 (M5 X 0.8)	550(1/4)	1500(3/8)	2000(3/8)	4000(1/2)	5000(3/4)	6000(3/4)	7000(1)	8000(1)
Ambient and fluid temperature		-5 to 60°C (Non-freezing)								
Filtration		5μm								
Bowl material		Polycarbonate								
Construction/Regulator		Relieving style								
Weight (kg)		0.21	0.54	0.68	0.82	1.61	1.71	2.52	2.63	2.98
Accessory (Standard equipment)	Bowl guard	—	—	●	●	●	●	●	●	●
	Bracket ⁽²⁾	B110T	B210T	B310T	B310T	B410T	B510T	B610T	B610T	B610T

Note 1) Conditions: Supply pressure 0.7MPa, Set pressure 0.5MPa
Note 2) Set of 3 or more than 3 pieces: L type bracket

Attachments/Accessories (Options)

		Part No.								
Description Model		For AC1020	For AC2020	For AC2520	For AC3020	For AC4020	For AC4020-06	For AC5020	For AC5520	For AC6020
Attachment	Piping adapter	E10-M5	E20- ⁰¹ ₀₂ ⁰³	E30- ⁰² ₀₃ ⁰⁴	E30- ⁰² ₀₃ ⁰⁴	E40- ⁰² ₀₃ ⁰⁴ ⁰⁶	E50-□06	E60- ⁰⁶ ₁₀	E60- ⁰⁶ ₁₀	E60- ⁰⁶ ₁₀
	Pressure switch with piping adapter	—	IS1000E- ² ₂ ⁰¹ ₀₂ ⁰³ Y	IS1000E- ³ ₃ ⁰² ₀₃ ⁰⁴ Y	IS1000E- ³ ₃ ⁰² ₀₃ ⁰⁴ Y	IS1000E- ⁴ ₄ ⁰² ₀₃ ⁰⁴ ⁰⁶ Y	—	—	—	—
	Pressure switch	—	IS1000M-2Y	IS1000M-3Y	IS1000M-3Y	IS1000M-4Y	IS1000M-5Y	IS1000M-6Y	IS1000M-6Y	IS1000M-6Y
	T type interface ⁽³⁾	Y11-M5	Y21- ⁰¹ ₀₂ ⁰²	Y31- ⁰¹ ₀₂ ⁰²	Y31- ⁰¹ ₀₂ ⁰²	Y41- ⁰² ₀₃ ⁰³	Y51- ⁰² ₀₃ ⁰³	Y61- ⁰³ ₀₄ ⁰⁴	Y61- ⁰³ ₀₄ ⁰⁴	Y61- ⁰³ ₀₄ ⁰⁴
	Residual press. exhaust 3 port valve	—	VHS2000- ⁰¹ ₀₂ ⁰³	VHS3000- ⁰² ₀₃ ⁰³	VHS3000- ⁰² ₀₃ ⁰³	VHS4000- ⁰³ ₀₄ ⁰⁴	—	—	—	—
	Cross interface	Y14-M5	Y24- ⁰¹ ₀₂ ⁰²	Y34- ⁰¹ ₀₂ ⁰²	Y34- ⁰¹ ₀₂ ⁰²	Y44- ⁰² ₀₃ ⁰³	Y54- ⁰³ ₀₄ ⁰⁴	—	—	—
Accessory	Interface	Y10	Y20	Y30	Y30	Y40	Y50	Y60	Y60	Y60
	Pressure gauge	1.0MPa	G27-10-R1	G36-10-□01	G36-10-□01	G46-10-□02	G46-10-□02	G46-10-□02	G46-10-□02	G46-10-□02
		0.2MPa	(G27-10-R1) ⁽⁴⁾	G36-2-□01	G36-2-□01	G46-2-□02	G46-2-□02	G46-2-□02	G46-2-□02	G46-2-□02
	Auto drain float ⁽⁵⁾	N.O.	—	AD43	AD43	AD44	AD44	AD44	AD44	AD44
		N.C.	—	AD53	AD53	AD54	AD54	AD54	AD54	AD54
	Auto drain press. differential	AD61	AD62	—	—	—	—	—	—	—

Note 3) Standard specification of air combination: Port size without ()
Note 4) Substitute 1.0MPa type.

Note 5) Minimum operating pressure: N.O. 0.1MPa, N.C. 0.15MPa

Note 6) □ in the part number indicate a connecting thread. Use nothing for Rc(PT), N for NPT and F for G(PF). G(PF) pressure gauge is unavailable.

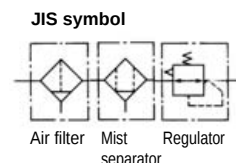
Consult SMC for NPT pressure gauge.

*-01, -02, -03, -04, -06, -10 after part number indicate port size. (-01: 1/8, -02: 1/4, -03: 3/8, -04: 1/2, -06: 3/4, -10: 1)

Air Combination

Air Filter + Mist Separator + Regulator

AC2030 to 4030



Standard Specifications

Model		AC2030	AC2530	AC3030	AC4030	AC4030-06
Combination equipment	Air filter	AF2000	AF3000	AF3000	AF4000	AF4000-06
	Mist separator	AFM2000	AFM3000	AFM3000	AFM4000	AFM4000-06
	Regulator	AR2000	AR2500	AR3000	AR4000	AR4000-06
Port size		1/8 1/4	1/4 3/8	1/4 3/8	1/4 3/8 1/2	3/4
Gauge port size		1/8	1/8	1/8	1/4	1/4
Fluid		Air				
Proof pressure		1.5MPa				
Max. operating pressure		1.0MPa				
Min. operating pressure		0.05MPa				
Set pressure range		0.05 to 0.85MPa				
Flow (l/min (ANR)) ⁽¹⁾		200	450	450	1100	1100
Ambient and fluid temperature		-5 to 60°C (Non-freezing)				
Filtration		AF: 5μm, AFM: 0.3μm(95% scavenging particle diameter)				
Density of oil mist on secondary side		Max. 1.0mgf/Nm ³ (≒0.8ppm) ⁽²⁾				
Bowl material		Polycarbonate				
Construction/Filter regulator		Relieving style				
Weight (kg)		0.71	1.03	1.17	2.21	2.46
Accessory (Standard equipment)	Bowl guard	—	●	●	●	●
	Bracket	B210L	B310L	B310L	B410L	B510L



Note 1) Conditions: Supply pressure 0.7MPa, Set pressure 0.5MPa Rated flow changes depending on supply pressure

Note 2) With compressor discharging density of 30mgf/Nm³

Attachments/Accessories (Options)

Description			Model	Part No.				
				For AC2030	For AC2530	For AC3030	For AC4030	For AC4030-06
Attachment	Piping adapter		E20- □01 □02 □03	E30- □02 □03 □04	E30- □02 □03 □04	E40- □02 □03 □04 □06	E50-□06	
	Pressure switch with piping adapter		IS1000E- 2□01 2□02 2□03 Y	IS1000E- 3□02 3□03 3□04 Y	IS1000E- 3□02 3□03 3□04 Y	IS1000E- 4□02 4□03 4□04 4□06 Y	Y54- □03 □04	
	Pressure switch		IS1000M-2Y	IS1000M-3Y	IS1000M-3Y	IS1000M-4Y	IS1000M-5Y	
	T type interface ⁽³⁾		Y21- □01 □02	Y31- □01 □02	Y31- □01 □02	Y41- □02 □03	Y51- □02 □03	
	Residual pressure exhaust 3 port valve		VHS2000- □01 □02	VHS3000- □02 □03	VHS3000- □02 □03	VHS4000- □02 □03 □04	—	
Accessory	Cross interface		Y24- □01 □02	Y34- □01 □02	Y34- □03 □02	Y44- □02 □03	Y54- □03 □04	
	T type brcket		B210T	B310T	B310T	B410T	B510T	
	Interface		Y20	Y30	Y30	Y40	Y50	
	Pressure gauge	1.0MPa	G36-10-□01	G36-10-□01	G36-10-□01	G46-10-□02	G46-10-□02	
		0.2MPa	G36-2-□01	G36-2-□01	G36-2-□01	G46-2-□02	G46-2-□02	
	Auto drain float style ⁽⁴⁾	N.O.	—	AD43	AD43	AD44	AD44	
		N.C.	—	AD53	AD53	AD54	AD54	
Auto drain pressure differential style			AD62	—	—	—	—	



Note 3) Standard specification of air combination: Port size without ()

Note 4) Minimum operating pressure: N.O. 0.1MPa, N.C. 0.15MPa

Note 5) □ in the part number indicate a connecting thread. Use nothing for Rc(PT),

N for NPT and F for G(PF). G(PF) pressure gauge is unavailable.

Consult SMC for NPT gauges.

*-01, -02, -03, -04, -06, after part number indicate port size. (-01: 1/8, -02: 1/4, -03: 3/8, -04: 1/2, -06: 3/4)

Air Combination Filter Regulator + Mist Separator



AC2040/3040/4040



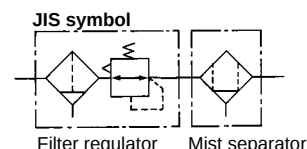
AC4040



AC3040



AC2040



Standard Specifications

Model		AC2040	AC3040	AC4040	AC4040-06
Combination equipment	Filter regulator	AW2000	AW3000	AW4000	AW4000-06
	Mist separator	AFM2000	AFM3000	AFM4000	AFM4000-06
Port size		1/8 1/4	1/4 3/8	1/4 3/8 1/2	3/4
Gauge port size		1/8	1/8	1/4	1/4
Fluid		Air			
Proof pressure		1.5MPa			
Max. operating pressure		1.0MPa			
Min. operating pressure		0.05MPa			
Set pressure range		0.05to0.85MPa			
Flow (l/min (ANR))(Port size) ⁽¹⁾		150	330	800	800
Ambient and fluid temperature		-5 to 60°(Non-freezing)			
Filtration		AW: 5μm, AFM: 0.3μm(95% scavenging particle diameter)			
Density of oil mist on secondary side		Max1.0mgf/Nm ³ (≒0.8ppm) ⁽²⁾			
Bowl material		Polycarbonate			
Construction/Filter regulator		Relieving style			
Weight (kg)		0.63	0.97	1.91	1.99
Accessory (Standard equipment)	Bowl guard	—	●	●	●
	Bracket ⁽³⁾	B210T	B310T	B410T	B510T



Note 1) Conditions: Supply pressure 0.7MPa, Set pressure 0.5MPa Rated flow changes depending on supply pressure.

Note 2) With compressor discharging density of 30mgf/Nm³

Note 3) L bracket for a set of 3 pieces or more.

Attachments/Accessories (Options)

			Part No.			
			Description		Model	For AC2040
Attachment	Piping adapter		E20- □01 □02 □03	E30- □02 □03 □04	E40- □02 □03 □04 □06	E50-□06
	Pressure switch with piping adapter		IS1000E- 2□01 2□02 2□03 Y	IS1000E- 3□02 3□03 3□04 Y	IS1000E- 4□02 4□03 4□04 4□06 Y	—
	Residual pressure exhaust 3 port valve		VHS2000- □01 □02	VHS3000- □02 □03	VHS4000- □02 □03 □04	—
	Cross interface		Y24- □01 □02	Y34- □01 □02	Y44- □02 □03	Y54- □03 □04
Accessory	Interface		Y20	Y30	Y40	Y50
	Pressure gauge	1.0MPa	G36-10-□01	G36-10-□01	G46-10-□02	G46-10-□02
		0.2MPa	G36-2-□01	G36-2-□01	G46-2-□02	G36-2-□02
	Auto drain float style ⁽⁴⁾	N.O.	—	AD43	AD44	AD44
		N.C.	—	AD53	AD54	AD54
	Auto drain pressure differential style		AD62	—	—	—



Note 4) Minimum operating pressure: N.O. 0.1MPa, N.C. 0.15MPa

Note 5) □ in the part number indicate a connecting thread. Use nothing for Rc(PT), N for NPT and F for G(PF). G(PF) pressure gauge is unavailable.

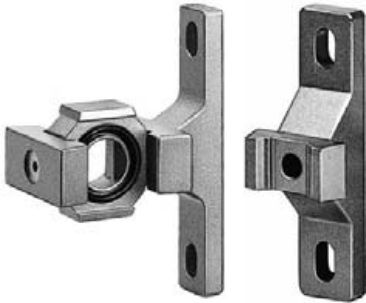
Consult SMC for NPT pressure gauges.

*-01, -02, -04, -06 after part number indicate port size. (-01: 1/8, -02: 1/4, -03: 3/8, -04: 1/2, -06: 3/4)

Accessories



T Bracket/ Interface with T Bracket

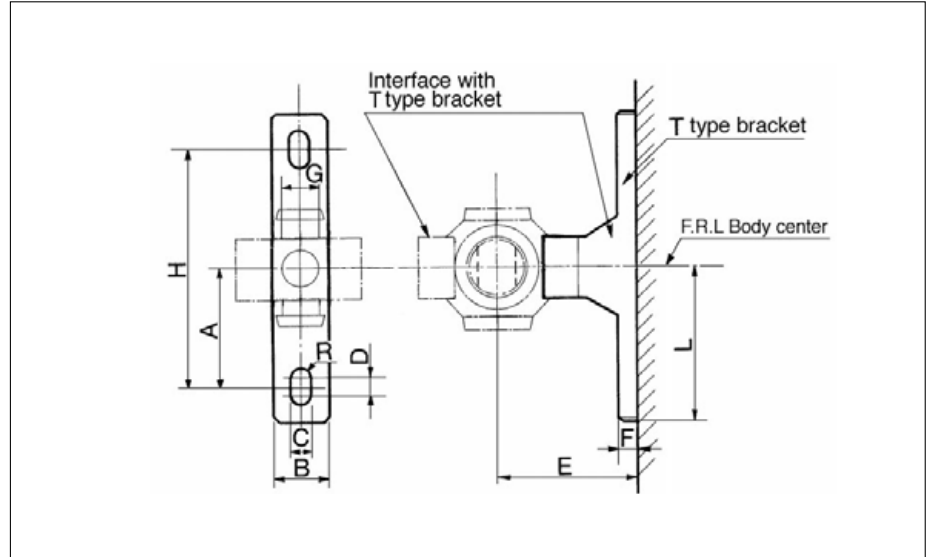


Interface with T bracket

T bracket



Model		File
T bracket	Interface with T bracket	
B110T	Y10T	SAC1000, #14
B210T	Y20T	SAC2000, #14
B310T	Y30T	SAC2503, #14
B410T	Y40T	SAC4000, #14
B510T	Y50T	SAC4006, #14
B610T	Y60T	SAC5000, #14



T bracket	Interface with T 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	AC1000 to AC1020
B210T	Y20T	24	15	5.5	3	30	5	10	48	2.75	33	AC2000 to AC2040
B310T	Y30T	35	16	7	4	41	7	11	70	3.5	45	AC2500 to AC2540 AC3000 to AC3040
B410T	Y40T	40	22	9	4	50	7	14	80	4.5	50	AC4000 to 4040
B510T	Y50T	40	22	9	4	50	7	14	80	4.5	50	AC4000-06 to AC4040-06
B610T	Y60T	50	24	12	4	70	10	15	100	6	62.5	AC5000, AC5500, AC6000 AC5020, AC5520, AC6020

Bracket For AF/AL For AFM/AFD For AR



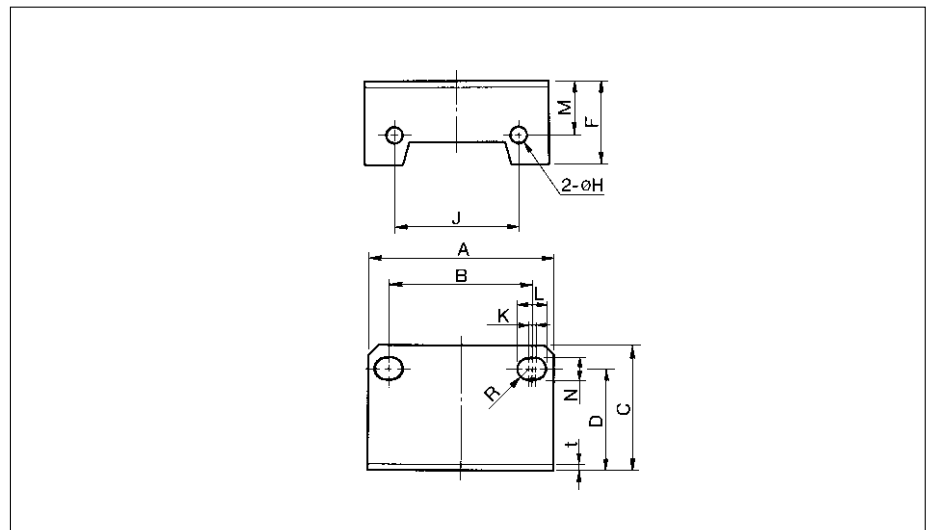
B340



B240



Model		File
Model	File	
B240	SAC2000, #15	
B340	SAC2503, #15	
B440	SAC4000, #15	
B540	SAC4006, #15	
B640	SAC5000, #15	



Model	A	B	C	D	F	H	J	K	L	M	N	R	t	Mounting thread	Applicable model
B240A	40	27	33	27	18	4.5	26	3	8.4	14	5.4	2.7	2.3	M4 X 8 ℓ (Round head Phillips screw)	AF2000, AL2000 AFM2000, AFD2000
B340A	53	40	39	32	22.5	4.5	35	1.5	8	19	6.5	3.25	2.3	M4 X 8 ℓ (Hexagon socket head cap screw)	AF3000, AL3000 AFM3000, AFD3000
B440A	70	54	47	38	31.5	5.5	47	2	10.5	20	8.5	4.25	2.3	M5 X 10 ℓ (Hexagon socket head cap screw)	AF4000, AL4000 AFM4000, AFD4000
B540A	70	54	47	38	27.5	5.5	47	2	10.5	20	8.5	4.25	2.3	M5 X 10 ℓ (Hexagon socket head cap screw)	AF4000-06, AL4000-06 AFM4000-06, AFD4000-06
B640A	90	66	64	52	43	6.5	65	2	13	30	11	5.5	3.2	M6 X 10 ℓ (Hexagon socket head cap screw)	AF5000, 6000 AR5000, 6000, 5060, 6060 AL5000, 6000

*With 2 mounting screws.

Modular Style Air Combination
with Integral Pressure Gauge

Air Filter + Regulator + Lubricator

AC2001 to 4001



AC4001

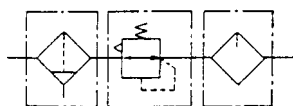


AC3001



AC2001

JIS symbol



Air filter Regulator Lubricator

Standard Specifications

Model		AC2001	AC2501	AC3001	AC4001
Combination equipment	Air filter	AF2000	AF3000	AF3000	AF4000
	Regulator	AR2001	AR2501	AR3001	AR4001
	Lubricator	AL2000	AL3000	AL3000	AL4000
Port size		1/8, 1/4	1/4, 3/8	1/4, 3/8	1/4, 3/8, 1/2
Fluid		Air			
Proof pressure		1.5MPa			
Max. operating pressure		1.0MPa			
Set pressure range		0.05 to 0.85MPa			
Flow (l/min(ANR))(Port size) ⁽¹⁾		500(1/4)	1500(3/8)	2000(3/8)	4000(1/2)
Ambient and fluid temperature		-5 to 60°C (Non-freezing)			
Filtration		5μm			
Recommended lubricant		Turbin oil class 1 (ISO VG32)			
Bowl material		Polycarbonate			
Construction/Regulator		Relieving style			
Weight (kg)		0.74	1.04	1.18	2.14
Accessory (Standard equipment)	Bowl guard	—	●	●	●
	Bracket	B210L	B310L	B310L	B410L



Note 1) Supply pressure: 0.7MPa, Set pressure: 0.5MPa

Attachments/Accessories (Options)

Description		Model	Part No.			
			For AC2001	For AC2501	For AC3001	For AC4001
Attachment	Piping adapter		E20- □01 □02 □03	E30- □02 □03 □04	E30- □02 □03 □04	E40- □02 □03 □04 □06
	Pressure switch with piping adapter		IS1000E- 2□01 2□02 2□03 Y	IS1000E- 3□02 3□03 3□04 Y	IS1000E- 3□02 3□03 3□04 Y	IS1000E- 4□02 4□03 4□04 4□06 Y
	Check valve ⁽²⁾		AKM2000- □01 □02	AKM3000- □01 □02	AKM3000- □01 □02	AKM4000- □02 □03
	Pressure switch		IS1000M-2Y	IS1000M-3Y	IS1000M-3Y	IS1000M-4Y
	T type bracket ⁽²⁾		Y21- □01 □02	Y31- □01 □02	Y31- □01 □02	Y41- □02 □03
	Residual press. exhaust 3 port valve		VHS2000- □01 □02	VHS3000- □02 □03	VHS3000- □02 □03	VHS4000- □02 □03
	Cross interface		Y24- □01 □02	Y34- □01 □02	Y34- □01 □02	Y44- □02 □03
Accessory	T type bracket		B210T	B310T	B310T	B410T
	Interface		Y20	Y30	Y30	Y40
	Pressure gauge	1.0MPa	GC30-10	GC30-10	GC30-10	GC30-10
		0.2MPa	GC30-2	GC30-2	GC30-2	GC30-2
	Auto drain ⁽³⁾ float style	N.O.	—	AD43	AD43	AD44
		N.C.	—	AD53	AD53	AD54
	Auto drain pressure differential style		AD62	—	—	—



Note 2) Standard specification of air combination: Port size without ()

Note 3) Minimum operating pressure: N.O. 0.1MPa, N.C. 0.15MPa

Note 4) □ in part number indicate connecting thread. Use nothing for Rc(PT), N for NPT and F for G(PF).

* -01, -02, -03, -04, -06, -10 after part number indicate port size.

(-01: 1/8, -02: 1/4, -03: 3/8, -04: 1/2, -06: 3/4, -10: 1)

Modular Style Air Combination
with Integral Pressure Gauge

Filter Regulator + Lubricator

AC2011 to 4011



AC4011



AC3011



AC2011

Standard Specifications

Model		AC2011	AC3011	AC4011
Combination equipment	Filter regulator	AW2001	AW3001	AW4001
	Lubricator	AL2000	AL3000	AL4000
Port size		1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2
Fluid		Air		
Proof pressure		1.5MPa		
Max. operating pressure		1.0MPa		
Set pressure range		0.05 to 0.85MPa		
Flow (l/min (ANR)) (Port size) ⁽¹⁾		500(1/4)	1700(3/8)	3000 (1/2)
Ambient and fluid temperature		-5 to 60°C (Non-freezing)		
Filtration		5μm		
Recommended lubricant		Turbin oil class 1 (ISO VG32)		
Bowl material		Polycarbonate		
Construction/Filter regulator		Relieving style		
Weight (kg)		0.66	0.98	1.93
Accessory (Standard equipment)	Bowl guard	—	●	●
	Bracket	B210T	B310T	B410T

Note 1) Conditions: Supply pressure 0.7MPa, Set pressure 0.5MPa

Attachments/Accessories (Options)

	Description Model		Part No.		
			For AC2011	For AC3011	For AC4011
Attachment	Piping adapter		E20- □01 □02 □03	E30- □02 □03 □04	E40- □02 □03 □04 □06
	Pressure switch with piping adapter		IS1000E- 2-□01 2-□02 2-□03 Y	IS1000E- 3-□02 3-□03 3-□04 Y	IS1000E- 4-□02 4-□03 4-□04 4-□06 Y
	Check valve ⁽²⁾		AKM2000- □01 □02	AKM3000- □01 □02	AKM4000- □02 □03
	Residual pressure exhaust 3 port valve		VHS2000- □01 □02	VHS3000- □02 □03	VHS4000- □02 □03 □04
	Cross interface		Y24- □01 □02	Y34- □01 □02	Y44- □02 □03
Accessory	Interface		Y20	Y30	Y40
	Pressure gauge	1.0MPa	GC30-10	GC30-10	GC30-10
		0.2MPa	GC30-2	GC30-2	GC30-2
	Auto drain ⁽³⁾ float style	N.O.	—	AD43	AD44
		N.C.	—	AD53	AD54
	Auto drain pressure differential style		AD62	—	—

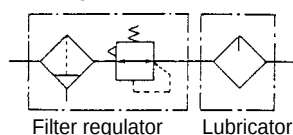
Note 2) Standard specification of air combination: Port size without ()

Note 3) Minimum operating pressure: N.O. 0.1MPa, N.C. 0.15MPa

Note 4) □ in part number indicate connecting thread. Use nothing for Rc(PT), N for NPT and F for G(PF).

*-01, -02, -03, -04 after part number indicate port size. (-01: 1/8, -02: 1/4, -03: 3/8, -04: 1/2)

JIS symbol



Modular Style Air Combination
with Integral Pressure Gauge
Air Filter + Regulator

AC2021 to 4021



AC4021

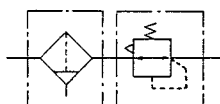


AC3021



AC2021

JIS symbol



Air filter

Regulator

Standard Specifications

Model		AC2021	AC2521	AC3021	AC4021
Combination equipment	Air filter	AF2000	AF3000	AF3000	AF4000
	Regulator	AR2001	AR2501	AR3001	AR4001
Port size		1/8, 1/4	1/4, 3/8	1/4, 3/8	1/4, 3/8, 1/2
Fluid		Air			
Proof pressure		1.5MPa			
Max. operating pressure		1.0MPa			
Set pressure range		0.05 to 0.85MPa			
Flow (l/min(ANR)) (Port size) (1)		550 (1/4)	1500 (3/8)	2000 (3/8)	4000 (1/2)
Ambient and fluid temperature		-5 to 60°C (Non-freezing)			
Filtration		5μm			
Bowl material		Polycarbonate			
Construction/Regulator		Relieving style			
Weight (kg)		0.54	0.68	0.82	1.61
Accessory (Standard equipment)	Bowl guard	—	●	●	●
	Bracket	B210T	B310T	B310T	B410T



Note 1) Conditions: Supply pressure 0.7MPa, Set pressure 0.5MPa

Attachments/Accessories (Options)

Description / Model		Part No.				
		For AC2021	For AC2521	For AC3021	For AC4021	
Attachment	Piping adapter		E20- □01 □02 □03	E30- □02 □03 □04	E30- □02 □03 □04	E40- □02 □03 □04 □06
	Pressure switch with piping adapter		IS1000E- 2 □ 01 □ 02 Y 2 □ 03	IS1000E- 3 □ 02 □ 03 Y 3 □ 04	IS1000E- 3 □ 02 □ 03 Y 3 □ 04	IS1000E- 4 □ 02 □ 03 Y 4 □ 04 4 □ 06
	Pressure switch		IS1000M-2Y	IS1000M-3Y	IS1000M-3Y	IS1000M-4Y
	T type interface ⁽²⁾		Y21- □01 □02	Y31- □01 □02	Y31- □01 □02	Y41- □02 □03
	Residual press. exhaust 3 port valve		VHS2000- □01 □02	VHS3000- □02 □03	VHS3000- □02 □03	VHS4000- □02 □03 □04
	Cross interface		Y24- □01 □02	Y34- □01 □02	Y34- □01 □02	Y44- □02 □03
Accessory	Interface		Y20	Y30	Y30	Y40
	Pressure gauge	1.0MPa	GC30-10	GC30-10	GC30-10	GC30-10
		0.2MPa	GC30-2	GC30-2	GC30-2	GC30-2
	Auto drain ⁽³⁾ floating style	N.O.	—	AD43	AD43	AD44
		N.C.	—	AD53	AD53	AD54
	Auto drain pressure differential style		AD62	—	—	—



Note 2) Standard specification of air combination: Port size without ()

Note 3) □ in part number indicate connecting thread. Use nothing for Rc(PT), N for NPT and F for G(PF).

Note 4) Minimum operating pressure: [N.O.: 0.1MPa], [N.C.: 0.15MPa]

*-01, -02, -03, -04, -06, after part number indicate port size. (-01: 1/8, -02: 1/4, -03: 3/8, -04: 1/2)

AC

AV

AU

AF

AR

IR

VEX

AW

AMR

AWM

AWD

ITV

VBA

VE

VY

G

AL

Modular Style Air Combination with Integral Pressure Gauge Air Filter + Mist Separator + Regulator **AC2031 to 4031**



AC4031

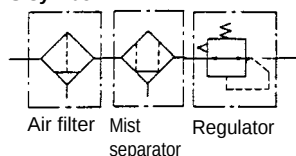


AC3031



AC2031

JIS symbol



Standard Specifications

Model		AC2031	AC2531	AC3031	AC4031
Combination equipment	Air filter	AF2000	AF3000	AF3000	AF4000
	Mist separator	AFM2000	AFM3000	AFM3000	AFM4000
	Regulator	AR2001	AR2501	AR3001	AR4001
Port size		1/8, 1/4	1/4, 3/8	1/4, 3/8	1/4, 3/8, 1/2
Fluid		Air			
Proof pressure		1.5MPa			
Max. operating pressure		1.0MPa			
Min. operating pressure		0.05MPa			
Set pressure range		0.05 to 0.85MPa			
Flow (l/min(ANR)) ⁽¹⁾		200	450	450	1100
Ambient and fluid temperature		-5 to 60°C (Non-freezing)			
Filtration		AF: 5μm, AFM: 0.3μm(95% scavenging particle size)			
Density of oil mist on secondary side		Max 1.0mgf/Nm ³ (≒ 0.8ppm) ⁽²⁾			
Bowl material		Polycarbonate			
Construction/Filter regulator		Relieving style			
Weight (kg)		0.71	1.03	1.17	2.21
Accessory (Standard equipment)	Bowl guard	—	●	●	●
	Bracket	B210L	B310L	B310L	B410L



Note 1) Conditions: Supply pressure 0.7MPa, Set pressure 0.5MPa
Rated flow changes depending on flow.

Note 2) When density of air compressed from compressor is 30mgf/Nm³

Attachments/Accessories (Options)

Description		Part No.			
		For AC2031	For AC2531	For AC3031	For AC4031
Attachment	Piping adapter	E20-□01 □02 □03	E30-□02 □03 □04	E30-□02 □03 □04	E40-□02 □03 □04
	Pressure switch with piping adapter	IS1000E-201 202Y 203	IS1000E-302 303Y 304	IS1000E-302 303Y 304	IS1000E-402 403Y 404 406
	Pressure switch	IS1000M-2Y	IS1000M-3Y	IS1000M-3Y	IS1000M-4Y
	T type interface ⁽³⁾	Y21-□01 □02	Y31-□01 □02	Y31-□01 □02	Y41-□02 □03
	Residual press. exhaust 3 port valve	VHS2000-□01 □02	VHS3000-□02 □03	VHS3000-□02 □03	VHS4000-□02 □03 □04
	Cross interface	Y24-□01 □02	Y34-□01 □02	Y34-□01 □02	Y44-□02 □03
Accessory	T type bracket	B210T	B310T	B310T	B410T
	Interface	Y20	Y30	Y30	Y40
	Pressure gauge	1.0MPa	GC30-10	GC30-10	GC30-10
		0.2MPa	GC30-2	GC30-2	GC30-2
	Auto drain float ⁽⁴⁾	N.O.	AD43	AD43	AD44
		N.C.	AD53	AD53	AD54
Auto drain pressure differential		AD62	—	—	—



Note 2) Standard specification of air combination: Port size without ()

Note 3) □ in part number indicates connecting thread. Use nothing for Rc(PT), N for NPT and F for G(PF).

Note 4) Minimum operating pressure: [N.O. 0.1MPa], [N.C. 0.15MPa]

*-01, -02, -03, -04, -06, -10 after part number indicate port size. (-01: 1/8, -02: 1/4, -03: 3/8, -04: 1/2)

AC

AV

AU

AF

AR

IR

VEX

AW

AMR

AWM

AWD

ITV

VBA

VE

VY

G

AL

Modular Style Air Combination with Integral Pressure Gauge Filter Regulator + Mist Separator

AC2041/3041/4041



AC4041

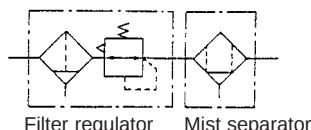


AC3041



AC2041

JIS symbol



Standard Specifications

Model		AC2041	AC3041	AC4041
Combination equipment	Filter regulator	AW2001	AW3001	AW4001
	Mist separator	AFM2000	AFM3000	AFM4000
Port size		1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2
Fluid		Air		
Proof pressure		1.5MPa		
Max. operating pressure		1.0MPa		
Min. operating pressure		0.05MPa		
Set pressure range		0.05 to 0.85MPa		
Flow (l/min(ANR)) ⁽¹⁾		150	330	800
Ambient and fluid temperature		-5 to 60°C (Non-freezing)		
Filtration		AW: 5μm, AFM: 0.3μm(95% scavenging particle size)		
Density of oil mist on secondary side		Max. 1.0mgf/Nm ³ (≒ 0.8ppm) ⁽²⁾		
Bowl material		Polycarbonate		
Construction/Filter regulator		Relieving style		
Weight (kg)		0.63	0.97	1.91
Accessory (Standard equipment)	Bowl guard	—	●	●
	Bracket	B210T	B310T	B410T



Note 1) Conditions: Supply pressure 0.7MPa, Set pressure 0.5MPa
Rated flow changes depending on set pressure.

Note 2) When density of air compressed from compressor is 30mgf/Nm³

Attachments/Accessories (Options)

Description / Model			Part No.		
			For AC2041	For AC3041	For AC4041
Attachment	Piping adapter		E20- □01 □02 □03	E30- □02 □03 □04	E40- □02 □03 □06
	Pressure switch with piping adapter		IS1000E- □201 □202 Y □203	IS1000E- □302 □303 Y □304	IS1000E- □402 □403 Y □404 □406
	Residual press. exhaust 3 port valve		VHS2000- □01 □02	VHS3000- □02 □03	VHS4000- □02 □03 □04
	Cross interface		Y24- □01 □02	Y34- □01 □02	Y44- □02 □03
Accessory	Interface		Y20	Y30	Y40
	Pressure gauge	1.0MPa	GC30-10	GC30-10	GC30-10
		0.2MPa	GC30-2	GC30-2	GC30-2
	Auto drain floating style ⁽³⁾	N.O.	—	AD43	AD44
		N.C.	—	AD53	AD54
	Auto drain pressure differential style		AD62	—	—



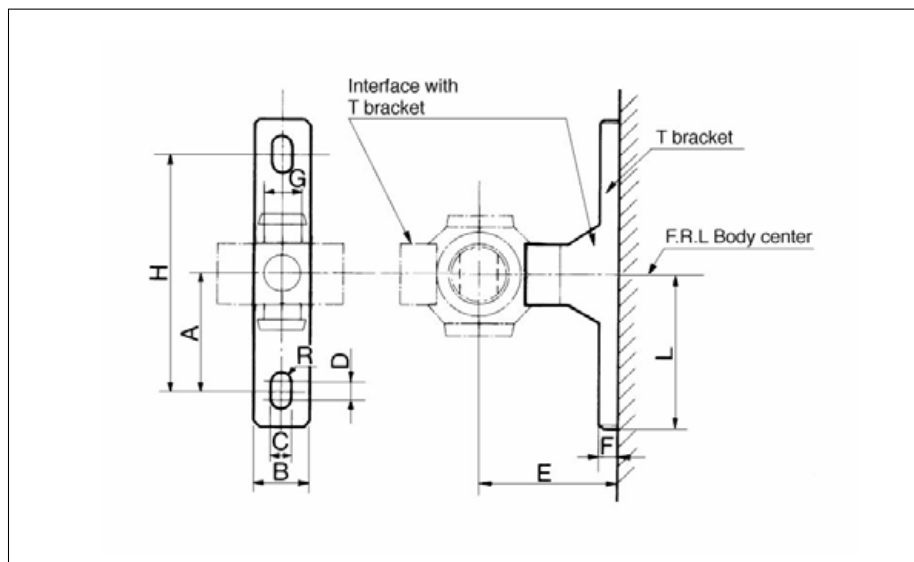
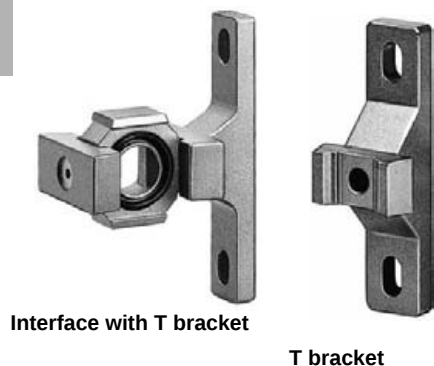
Note 3) Minimum operating pressure: N.O. 0.1MPa, N.C. 0.15MPa

Note 4) □ in part number indicate connecting thread. Use nothing for Rc(PT), N for NPT and F for G(PF).

*-01, -02, -03, -04 after part number indicate port size. (-0: 1/8, -02: 1/4, -03: 3/8, -04: 1/2)

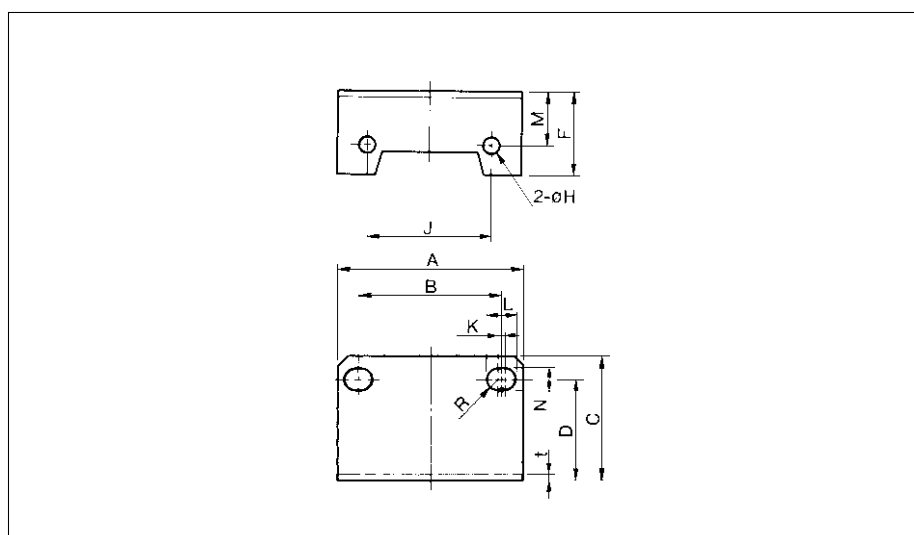
Accessories

T Bracket/ Interface with T Bracket



T bracket	Interface with T bracket	A	B	C	D	E	F	G	H	R	L	Applicable model
B210T	Y20T	24	15	5.5	3	30	5	10	48	2.75	33	AC2001 to AC2041
B310T	Y30T	35	16	7	4	41	7	11	70	3.5	45	AC2501 to AC2541 AC3001 to AC3041
B410T	Y40T	40	22	9	4	50	7	14	80	4.5	50	AC4001 to AC4041

Bracket For AF/AL For AFM/AFD



Model	A	B	C	D	F	H	J	K	L	M	N	R	t	Mounting thread	Applicable model
B240A	40	27	33	27	18	4.5	26	3	8.4	14	5.4	2.7	2.3	M4 X 8 ℓ (Round head phillips screw)	AF2000, AL2000 AFM2000, AFD2000
B340A	53	40	39	32	22.5	4.5	35	1.5	8	19	6.5	3.25	2.3	M4 X 8 ℓ (Hexagon socket head cap screw)	AF3000, AL3000 AFM3000, AFD3000
B440A	70	54	47	38	31.5	5.5	47	2	10.5	20	8.5	4.25	2.3	M5 X 10 ℓ (Hexagon socket head cap screw)	AF4000, AL4000 AFM4000, AFD4000

*With 2 mounting screws.