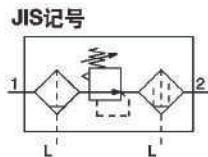


**Symbol**



**Ordersymbol**

**AC****30** **D-** **03** **DE** - **-** **-** **B**

1      2      3      4      5      6

- Option/Semi-standard: Select one each for 1 to 6.
- Option/Semi-standard symbol: When more than one specification is required, indicate in alphanumeric order.
- Example) AC30D-F03DE1-SV-16NR-B



		Symbol	Description				①	Body size			
			20	30	40	45					
②	Pipe thread type	Nil	Rc	●	●	●	●				
		N	NPT	●	●	●	●				
		F	G	●	●	●	●				
+											
③	Port size	01	1/8	●	—	—	—				
		02	1/4	●	●	●	●				
		03	3/8	—	●	●	●				
		04	1/2	—	—	●	●				
		06	3/4	—	—	—	●				
		10	3/4	—	—	—	●				
+											
④	Option	a	Float type auto drain	Nil	Without auto drain	●	●	●	●		
		C <small>(Note 1)</small>	N.C. (Normally closed)	Drain port is closed when pressure is not applied.		●	●	●	●		
		D <small>(Note 2)</small>	N.O. (Normally open)	Drain port is open when pressure is not applied.		—	●	●	●		
+											
⑤	Attachment	b	Pressure gauge	Nil	Without pressure gauge	●	●	●	●		
				E	Square embedded type pressure gauge (with limit indicator)	●	●	●	●		
				G	Round type pressure gauge (without limit indicator)	●	●	●	●		
		b	Digital pressure switch	M	Round type pressure gauge (with color zone)	●	●	●	●		
				E1	Output: NPN output, Electrical entry: Wiring bottom entry	●	●	●	●		
				E2	Output: NPN output, Electrical entry: Wiring top entry	●	●	●	●		
				E3	Output: PNP output, Electrical entry: Wiring bottom entry	●	●	●	●		
				E4	Output: PNP output, Electrical entry: Wiring top entry	●	●	●	●		
+											
⑥	Semi-standard	c	Pressureswitch	Nil	Without attachment	●	●	●	●		
		S		Mounting position: AW+S+AFM		●	●	●	●		
+											
⑦	Attachment	d	Pressure relief 3 port valve	Nil	Without attachment	●	●	●	●		
		V		Mounting position: AW+AFM+V		●	●	●	●		
		V1		Mounting position: V+AW□K+AFM		●	●	●	●		
+											
⑧	Semi-standard	e	Set pressure	Nil	0.05 ~ 0.85 MPa setting	●	●	●	●		
		1		0.02 ~ 0.2 MPa setting		●	●	●	●		
+											
⑨	Semi-standard	f	Bowl	Nil	Polycarbonate bowl	●	●	●	●		
		2		Metal bowl		●	●	●	●		
		8		Metal bowl with level gauge		—	●	●	●		
		C		With bowl guard		●	—	—	—		
+											
⑩	Semi-standard	g	Air filter drain por	Nil	With bowl guard	●	●	●	●		
		J		Drain guide 1/8		●	—	—	—		
		W		Drain guide 1/4		—	●	●	●		
+											

## Ordersymbol

6	Symbol	Description	Body size			
			20	30	40	
Semi-standard	<b>h</b>	Exhaust mechanism	<b>Nil</b> Relieving type <b>N</b> Non-relieving type	● ●	● ●	● ●
+	<b>i</b>	Flow direction	<b>Nil</b> Flow direction: Left to right <b>R</b> Flow direction: Right to left	● ●	● ●	● ●

Note 1) When pressure is not applied, condensate which does not start the auto drain mechanism will be left in the bowl. Releasing the residual condensate before ending operations for the day is recommended.  
Note 2) If the compressor is small (0.75 kW), discharge flow is less than 100 L/min [ANR]), air leakage from the drain cock may occur during start of operations. N.C. type is recommended.  
Note 3) When the pressure gauge is attached, a 1.0 MPa pressure gauge will be fitted for standard (0.85 MPa) type. 0.4 MPa pressure gauge for 0.2 MPa type.

## Commonspecification

Model	AC20D-B	AC30D-B	AC40D-B	AC45D-B
Component	Filter Regulator [AW]	AW20-B	AW30-B	AW40-B
	Mist Separator [AFM]	AFM20-A	AFM30-A	AFM40-A
Port size	1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	3/4, 1
Pressure gauge port size [AW] <sup>1)</sup>		1/8		
Fluid		Air		
Ambient and fluid temperature <sup>2)</sup>		−5 to 60°C (with no freezing)		
Proof pressure		1.5 MPa		
Maximum operating pressure		1.0 MPa		
Set pressure range [AW]		0.05 ~ 0.85 MPa		
Nominal filtration rating [AW/AFM]		AW:5 μm, AFM:0.3 μm (99.9% filtered particle size)		
Rated flow [L/min(ANR)] [AFM] <sup>3)</sup>	160	330	800	800
Outlet side oil mist concentration [AFM] <sup>4)</sup>		Max.1.0 mg/m <sup>3</sup> (ANR) (=0.8 ppm)		
Bowl material [AW/AFM]		Polycarbonate		
Bowl guard [AW/AFM]	Semi-standard (Steel)	Standard (Polycarbonate)		
Construction [Aw]		Relieving type		
Weight [kg]	0.32	0.62	1.15	1.25

Note 1) Pressure gauge connection threads are not available for F.R.L. unit with a square embedded type pressure gauge or with a digital pressure switch.

Note 2) −5 to 50°C for the products with the digital pressure switch

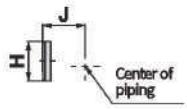
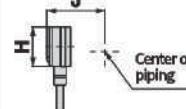
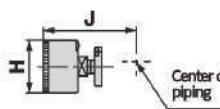
Note 3) Conditions: Mist separator inlet pressure: 0.5 MPa; The rated flow varies depending on the inlet pressure.

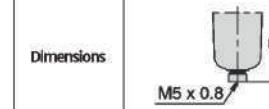
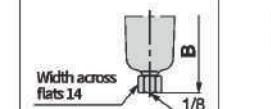
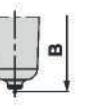
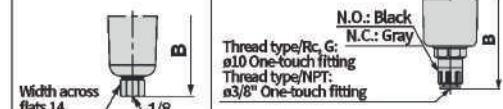
Keep the air flow within the rated flow to prevent an outflow of lubricant to the outlet side.

Note 4) When the compressor oil mist discharge concentration is 30 mg/m<sup>3</sup> (ANR).

Note 5) Bowl seal and other O-rings are slightly lubricated with a square embedded type pressure gauge or with a digital pressure switch.

## Shapedimensionfigure

Option	Square embedded type pressure gauge	Digital pressure switch	Round type pressure gauge	Round type pressure gauge (with color zone)
Dimensions				

Applicable mode	AC20D-B			AC30D-B ~ AC45D-B
Optional/Semi-standard specifications	With auto drain (N.O./N.C.)	With auto drain	Metal bowl	Metal bowl with drain guide
Dimensions				 Thread type/Rc, G: ø10 One-touch fitting Thread type/NPT: ø3/8" One-touch fitting