

Symbol



Ordersymbol

AC **30** **C** - **03** **DE** - **5** - **6** - **B**

- Option/Semi-standard: Select one each for a to j.
- Option/Semi-standard symbol: When more than one specification is required, indicate in alphanumeric order.
Example) AC30C-F03DE1-SY-16NR-B



	Symbol	Description	1 Body size				
			20	25	30	40	45
2	Pipe thread type	Nil					
		N					
		F					
3	Port size	01					
		02					
		03					
		04					
		06					
		10					
4	a	Float type auto drain					
		Nil					
		C					
		D					
	b	Pressure gauge					
		Nil					
		E					
		G					
		M					
	Digital pressure switch	E1					
		E2					
		E3					
		E4					
5	c	Pressureswitch					
		Nil					
		S					
	T-spacer	T					
		Nil					
		V					
6	e	Set pressure					
		Nil					
		1					
		0.05 ~ 0.85 MPa setting					
	f	Bowl					
		Nil					
		2					
		8					
	g	Air filter drain por					
		Nil					
		J					
		W					
	h	Exhaust mechanism					
		Nil					
		N					
	i	Flow direction					
		Nil					
		R					

Common specification

Model		AC20C-B	AC30C-B	AC40C-B	AC45C-B
Component	Air Filter [AF]	AF20-A	AF30-A	AF40-A	AF45-A
	Mist Separator [AFM]	AFM20-A	AFM30-A	AFM40-A	AFM45-A
	Regulator [AR]	AR20-B	AR30-B	AR40-B	AR45-B
Port size		1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	3/4, 1
Pressure gauge port size [AR] ¹		1/8			
Fluid		Air			
Ambient and fluid temperature ²		-5 to 60°C (with no freezing)			
Proof pressure		1.5 MPa			
Maximum operating pressure		1.0 MPa			
Set pressure range [AR]		0.05 ~ 0.85 MPa			
Nominal filtration rating [AF/AFM]		AF: 5 μm, AFM: 0.3 μm(99.9% filtered particle size)			
Recommended lubricant [AFM] ³		200	450	1100	1100
Outlet side oil mist concentration [AFM] ^{4,5}		Max.1.0 mg/m ³ (ANR) (≈0.8 ppm)			
Bowl material [AF/AFM]		Polycarbonate			
Bowl guard [AF/AFM]		Semi-standard (Steel)	Standard (Polycarbonate)		
Construction [AR]		Relieving type			
Weight [kg]		0.38	0.77	1.39	1.53

*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.

*2 -5 to 50°C for the products with the digital pressure switch

*3 Conditions: Mist separator inlet pressure: 0.7 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.

*4 When the compressor oil mist discharge concentration is 30 mg/m³ (ANR). *5 Bowl seal and other O-rings are slightly lubricated.