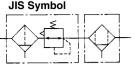
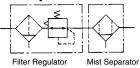
Filter Regulator + Mist Separator

AC20D to AC40D



How to Order

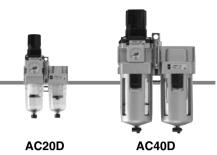


AC	30	D -[03	DE	-	-
		_	9	ß	4	6	6

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

					0				
	Syl		Symbol	Description	Body size				
			,	'	20	30	40		
				Nil	Rc		•	•	
2	2		read type	N Note 1)	NPT	•	•	•	
- · · · · · · · · · · · · · · · · · · ·		Note 2)	G			•			
				+					
				01	1/8	•	_		
				02	1/4	•	•	•	
8	Port size		03	3/8	_	•	•		
				04	1/2	_	_	•	
				06	3/4	_	_	•	
	•			+			•		
			-	Nil	Without auto drain	•	•	•	
		а	Float type auto drain	С	Float type auto drain (N.C.)	•	•	•	
			adio diani	D	Float type auto drain (N.O.)	_	•	•	
				+					
	Note 3)			Nil	Without pressure gauge	•	•	•	
4	<u>i</u> ë		Pressure	E	Square embedded type pressure gauge (with limit indicator)	•	•	•	
U	Option		gauge	G	Round type pressure gauge (with limit indicator)	•	•	•	
		b		М	Round type pressure gauge (with color zone)	•	•	•	
			Digital pressure switch	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		•	•	
				+					
		С	Pressure	Nil	Without attachment	•	•	•	
	en		switch	S Note 4)	Mounting position: AW+S+AFM		•	•	
6	Attachment			+	Without attachment				
	tta	d	3-port valve for	Nil V	Without attachment				
	4	u	residual pressure release	V1 Note 5)	Mounting position: AW+AFM+V Mounting position: V+AW□K+AFM				
				+	Mounting position. V+AVV \(\text{K+AFW}				
			Set pressure	Nil	0.05 to 0.85 MPa setting				
		е		1 Note 6)	0.02 to 0.2 MPa setting			•	
				+	C.O.L. IVI & COMING				
				Nil	Polycarbonate bowl		•	•	
				2	Metal bowl	•	•	•	
			D (Note 7)	6	Nylon bowl	•	•	•	
		f	Bowl wife //	Bowl Note 7)	8	Metal bowl with level gauge		•	•
	_				С	With bowl guard	•	_	_
	larc			6C	Nylon bowl with bowl guard	•	_		
	Semi-standard			+	. •				
6	i-st		drain port Note 8)	Nil	With drain cock	•	•	•	
	em				Drain guide 1/8	•			
	0)	g			Drain guide 1/4	_	•	•	
			arani port	W Note 10)	Drain cock with barb fitting: For ø6 x ø4 nylon tube		•	•	
				+					
		h	Exhaust	Nil	Relieving type	•	•	•	
		"	mechanism	N	Non-relieving type	•	•	•	
				+					
		i	Flow direction	Nil	Flow direction: Left to right	•	•	•	
		•	. low direction	R	Flow direction: Right to left		•	•	

Air Combination Series AC20D to AC40D



Symbol		Symbol	Description			
- P			Nil	Name plate and pressure gauge in imperial units: MPa		
Semi- standard	j	Pressure unit	Z Note 11)	Name plate, caution plate for bowl, and pressure gauge in imperial units: psi, °F		
sta			ZA Note 12)	Digital pressure switch: With unit conversion function		
Nictor 1) During middle in NIDT 1/0 (complicable to the ACCOD). Nictor 1) The way details in agricultural with a heal-flow function						

- Note 1) Drain guide is NPT1/8 (applicable to the AC20D) and NPT1/4 (applicable to the AC30D to AC40D). The auto drain port comes with ø3/8" one-touch fitting (applicable to the AC30D to AC40D).
- Note 2) Drain guide is G1/8 (applicable to the AC20D) and G1/4 (applicable to the AC30D to AC40D).

 Note 3) Option G, M are not assembled and supplied
- loose at the time of shipment. Note 4) The bracket position varies depending on the pressure switch mounting.
- Note 5) The regulator is equipped with a backflow function in this configuration. Additionally, for safety purposes, please check that the pressure in the outlet side is turned to the atmospheric pressure once the pressure in the outlet side is exhausted,
- by using a pressure gauge, etc.

 Note 6) The only difference from the standard specifications is the adjusting spring for the regulator. It does not restrict the setting of 0.2 MPa or more. When the pressure gauge is attached, a 0.2 MPa pressure gauge will be fitted.
- Note 7) Refer to Chemical Data on page 287 when selecting a case material.

 Note 8) Float type auto drain: The combination of C and D
- is not possible.

Note 9) Without a valve function

- 0 Body size 20 30 40 △ Note 14) △ Note 14) △ Note 14)
 - Note 10) Metal bowl: The combination of 2 and 8 is not
- possible.

 Note 11) For thread type: NPT. This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.) The digital pressure switch will be equipped with the unit conversion function, setting to psi initially. MPa and psi are shown together on the pressure unit.
- Note 12) For options: E1, E2, E3, E4. This product is for overseas use only according to the new Measurement Law. (The SI unit is provided for use in Japan.)

Note 13) ○: For thread type: NPT only Note 14) △: Select with options: E1, E2, E3, E4.

Standard Specifications

	Model	AC20D	AC30D	AC40D	AC40D-06	
0	Filter regulator	AW20	AW30	AW40	AW40-06	
Component	Mist separator	AFM20	AFM30	AFM40	AFM40-06	
Port size		1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	3/4	
Pressure ga	uge port size Note 1)	1/8 1/4				
Fluid			А	ir		
Ambient and	fluid temperature Note 2)		−5 to 60°C (wi	th no freezing)		
Proof press	ure	1.5 MPa				
Maximum o	perating pressure	1.0 MPa				
Minimum operating pressure		0.05 MPa				
Set pressure range		0.05 to 0.85 MPa				
Relief pressure		Set pressure + 0.05 MPa [at relief flow rate of 0.1 ℓ/min (ANR)]				
Nominal filtration rating		AF: 5 μm, AFM: 0.3 μm (99.9% filtered particle size)				
Rated flow (//min (ANR)) Note 3)		150	330	800	800	
Outlet side	utlet side oil mist concentration Max. 1.0 mg/m³ (ANR) (≈ 0.8 ppm) Note 4) Note 5)					
Bowl materi	al	Polycarbonate				
Bowl guard		Semi-standard Standard				
Regulator construction		Relieving type				
Mass (kg)		0.57	0.74	1.38	1.43	

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 (AC20D to AC40D). 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/m³ (ANR).

Note 5) Bowl O-ring and other O-rings are slightly lubricated.

AL

 $AW \square$

A□G

ΑV

AF800 AF900

