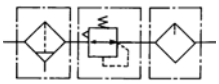
Фильтр-регулятор-маслораспылитель

AC10–60

M5 ~ G1

Комбинация фильтра, регулятора и маслораспылителя
с крепежными деталями



AC20

AC40

Технические характеристики

Комбинация	**AC**	10	20	30	40	50	60
Фильтр	**AF**	10	20	30	40	50	60
Регулятор давления	**AR**	10	20	30	40	50	60
Маслораспылитель	**AL**	10	20	30	40	50	60
Переходная деталь (2 шт. в комплекте)		Y100T	Y200T	Y300T	Y400T	Y500T	Y600T
Присоединительная резьба		M5	G1/8, G1/4	G1/4, G3/8	G1/4, G3/8, G1/2	G3/4, G1	G1
Резьба для присоединения манометра [1]		Rc1/16	G1/8	G1/8	G1/4	G1/4	G1/4
Испытательное давление (МПа)		1.5					
Макс. давление на входе (МПа)		1.0					
Диапазон давлений на выходе (МПа)		0.05 ~ 0.7	0.05 ~ 0.85				
Сброс давления		Установленное вых. давление + 0.05МПа [2] (расход сброса 0.1 л/мин)					
Рабочая температура (°C)		-5 ~ 60					
Тонкость фильтрации (мкм)		5					
Рекомендуемое масло		ISO VG32					
Материал резервуара		поликарбонат					
Металлический защитный колпак		-	По запросу	Стандарт			
Вес (кг)		0.27	0.73	1.00	1.74	4.17	4.34

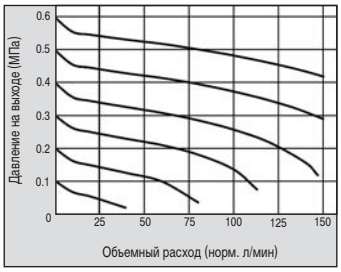
1) Резьба для присоединения манометра не требуется для блоков со встраиваемым квадратным манометром (AC20 – AC60)

2) Неприменимо к AC10

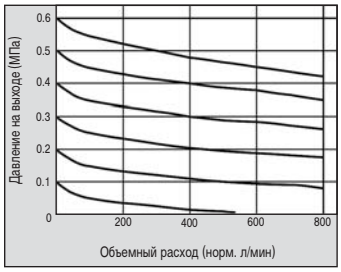
Характеристики

Расход при давлении на входе P_1=0.7 МПа

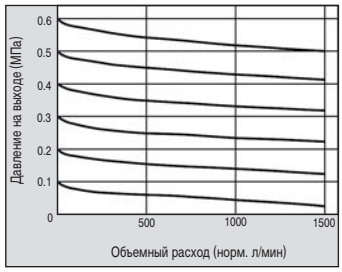
AC10



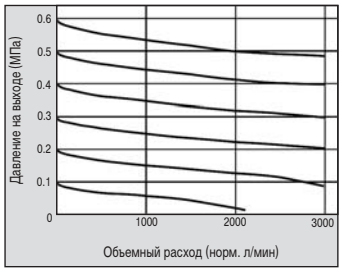
AC20



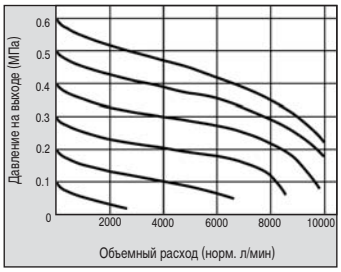
AC30



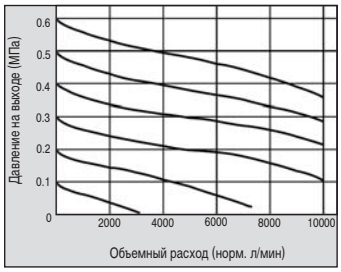
AC40



AC50



AC60



Номер для заказа

Типоразмер	Присоединительная резьба	Номер для заказа	
		Отвод конденсата вручную	Автоматич. отвод конденсата
10	M5	**AC10-M5**	**AC10-M5C**
20	G1/8	**AC20-F01**	**AC20-F01C**
	G1/4	**AC20-F02**	**AC20-F02C**
30	G1/4	**AC30-F02**	**AC30-F02D**
	G3/8	**AC30-F03**	**AC30-F03D**
40	G1/4	**AC40-F02**	**AC40-F02D**
	G3/8	**AC40-F03**	**AC40-F03D**
	G1/2	**AC40-F04**	**AC40-F04D**
50	G3/4	**AC50-F06**	**AC50-F06D**
	G1	**AC50-F10**	**AC50-F10D**
60	G1	**AC60-F10**	**AC60-F10D**

Манометры заказываются отдельно

Принадлежности (заказываются отдельно)

Обозначение			Типоразмер / **Номер для заказа**					
			10	20	30	40	50	60
Промежуточный отвод с обрат. клапаном [1]			-	**AKM2000-F01**	**AKM3000-F02**	**AKM4000-F03**	-	-
Переходная деталь			**Y100**	**Y200**	**Y300**	**Y400**	**Y600**	**Y600**
Промежуточный отвод [1]			**Y110-M5**	**Y210-F01**	**Y310-F02**	**Y410-F03**	**Y610-F03**	**Y610-F04**
Промежуточный отвод с 4 выходами [1]			**Y14-M5**	**Y24-F01, Y24-F02**	**Y34-F01, Y34-F02**	**Y44-F02, Y44-F03**	-	-
Ручной запорный клапан [1]			-	**VHS20-F01** **VHS20-F02**	**VHS30-F02** **VHS30-F03**	**VHS40-F02** **VHS40-F03** **VHS40-F04**	**VHS50-F06**	-
Реле давления		IS10M	-	**IS10M-20-6L**	**IS10M-30-6L**	**IS10M-40-6L**	**IS10M-60-6L**	**IS10M-60-6L**
		IS10E	-	**IS10E-20F01-6L** **IS10E-20F02-6L** **IS10E-20F03-6L**	**IS10E-30F02-6L** **IS10E-30F03-6L** **IS10E-30F04-6L**	**IS10E-40F02-6L** **IS10E-40F03-6L** **IS10E-40F04-6L** **IS10E-40F06-6L**	-	-
Реле давления с цифровой индикацией [4]		NPN выход / разъем снизу	**ISE35-N-25-MLA**					
		NPN выход / разъем сверху	**ISE35-R-25-MLA**					
		PNP выход / разъем снизу	**ISE35-N-65-MLA**					
		PNP выход / разъем сверху	**ISE35-R-65-MLA**					
Стакан с автомат. отводом конденсата [2]		Н.О.	-	-	**AD38**	**AD48**	**AD48**	**AD48**
		Н.З.	**AD17**	**AD27**	**AD37**	**AD47**	**AD47**	**AD47**
Переходник [1]			**E100-M5**	**E200-F01** **E200-F02** **E200-F03**	**E300-F02** **E300-F03** **E300-F04**	**E400-F02** **E400-F03** **E400-F04** **E400-F06**	**E600-F06** **E600-F10**	**E600-F06** **E600-F10**
Манометр	1.0 МПа	Круглый	**G27-10-R1**	**K8-10-40**		**K4-10-40**		
		Встраив. квадрат. [3]	-	**GC3-10AS**				
	0.2МПа	Круглый	**G27-10-R1**	**K8-2.5-40**		**K4-2.5-40**		
		Встраив. квадрат. [3]	-	**GC3-2AS**				

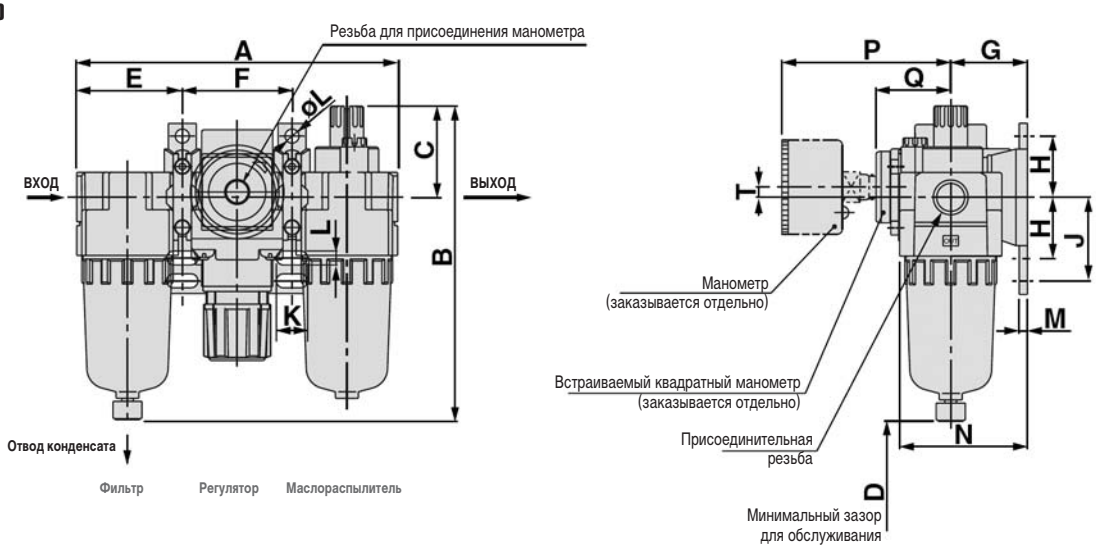
Примечания: 1) Для монтажа требуются отдельные переходные детали
2) Минимальное рабочее давление: Н.О. – 0.1 МПа. Н.З. – 0.15 МПа (AD17/27)
3) Прилагаются одно уплотнительное кольцо и два установочных винта
4) Комплект включает кабель (2 м) с разъемом, адаптер, фиксатор, кольцевую прокладку (1 шт.) и монтажные винты (2 шт.)

Компания SMC сохраняет за собой право на внесение технических и размерных изменений

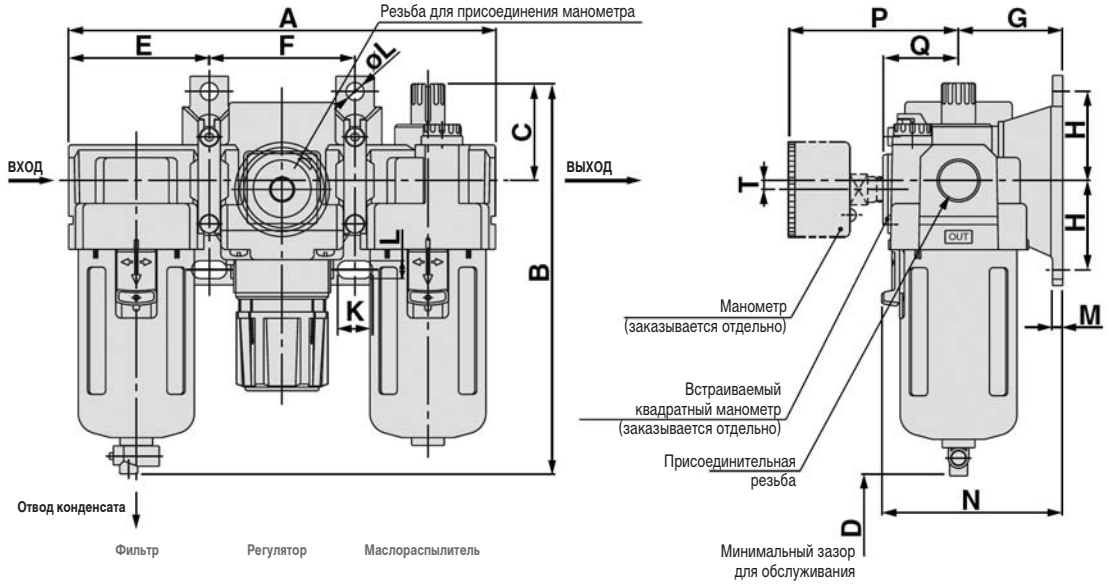
Устройства подготовки сжатого воздуха
AC10–60

Размеры

AC10, 20



AC30~60



Стандарт

Типоразмер	Присоединительная резьба	A	B	C	D	E	F	G	H	J	K	L	øL	M	N
10	M5	87	85	26	35	28	31	25	20	27	7	4.5	4.5	2.8	40
20	G1/8, G1/4	126	123	36	60	41.5	43	30	24	33	12	5.5	5.5	3.2	50
30	G1/4, G3/8	167	153	38	80	55	57	41	35	-	14	7	7	4	71
40	G1/4, G3/8, G1/2	220	187	40	110	72.5	75	50	40	-	18	9	9	4	88
50	G3/4, G1	282	264	43	110	93	96	70	50	-	20	11	11	6.4	115
60	G1	297	280	46	110	98	101	70	50	-	20	11	11	6.4	117.5

С принадлежностями

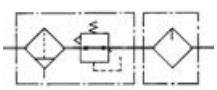
Типоразмер	С манометром			Автомат. отвод конденсата
	P	Q	T	B
10	26	-	0	104
20	65	29.5	2	141
30	66	30.5	3.5	194
40	74	35	3.5	226
50	84	44.5	3.3	303
60	84	44.5	3.3	318

Фильтр/регулятор-маслораспылитель

AC10A - 40A

M5 ~ G1/2

Комбинация фильтра/регулятора и маслораспылителя
С крепежными деталями



AC20A

AC40A

Технические характеристики

Комбинация	**AC□A**	10	20	30	40
Фильтр/регулятор	**AW**	10	20	30	40
Маслораспылитель	**AL**	10	20	30	40
Переходная деталь		Y100T	Y200T	Y300T	Y400T
Присоединительная резьба		M5	G1/8, G1/4	G1/4, G3/8	G1/4, G3/8, G1/2
Резьба для присоединения манометра [1]		Rc1/16	G1/8	G1/8	G1/4
Испытательное давление (МПа)		1.5			
Макс. давление на входе (МПа)		1.0			
Диапазон давлений на выходе (МПа)		0.05 ~ 0.7	0.05 ~ 0.85		
Сброс давления		Установленное вых. давление + 0.05МПа [2] (расход сброса 0.1 л/мин)			
Рабочая температура (°C)		-5 ~ 60			
Тонкость фильтрации (мкм)		5			
Рекомендуемое масло		ISO VG32			
Материал резервуара		Поликарбонат			
Металлический защитный колпак		-	-	Стандарт	
Вес (кг)		0.20	0.59	0.75	1.41

1) Не требуется для блоков со встраиваемым квадратным манометром (AC20A AC40A)
2) Неприменимо к AC10A

Принадлежности (заказываются отдельно)

Обозначение			Типоразмер / **Номер для заказа**			
			10	20	30	40
Промежуточный отвод с обрат. клапаном [1]			**-**	**AKM2000-F01**	**AKM3000-F02**	**AKM4000-F03**
Переходная деталь			**Y100**	**Y200**	**Y300**	**Y400**
Промежуточный отвод [1]			**Y110-M5**	**Y210-F01**	**Y310-F02**	**Y410-F03**
Промежуточный отвод с 4 выходами [1]			**Y14-M5**	**Y24-F01, Y24-F02**	**Y34-F01, Y34-F02**	**Y44-F02, Y44-F03**
Ручной запорный клапан [1]			**-**	**VHS20-F01, VHS20-F02**	**VHS30-F02, VHS30-F03**	**VHS40-F02, VHS40-F03, VHS40-F04**
Реле давления	IS1000M		**-**	**IS1000M-20-X215**	**IS1000M-30-X215**	**IS1000M-40-X215**
	IS1000E		**-**	**IS1000E-20F01 IS1000E-20F02 IS1000E-20F03**	**IS1000E-30F02-X215 IS1000E-30F03-X215 IS1000E-30F04-X215**	**IS1000E-30F02 IS1000E-30F03 IS1000E-30F04 IS1000E-30F06**
Стакан с автоматическим отводом конденсата [2]		Н.О.	**-**	**-**	**AD38**	**AD48**
		Н.З.	**AD17**	**AD27**	**AD37**	**AD47**
Переходник [1]			**E100-M5**	**E200-F01, E200-F02, E200-F03**	**E300-F02, E300-F03, E300-F04**	**E400-F02, E400-F03, E400-F04, E400-F06**
Манометры (стр. 117)	1.0 МПа	Круглый	**G-27-10-R1**	**K8-10-40**		**K4-10-40**
		Встраив. квадрат. [3]	**-**	**GC3-10AS**		
	0.2МПа	Круглый	**G-27-10-R1**	**K8-2.5-40**		**K4-2.5-40**
		Встраив. квадрат. [3]	**-**	**GC3-2AS**		

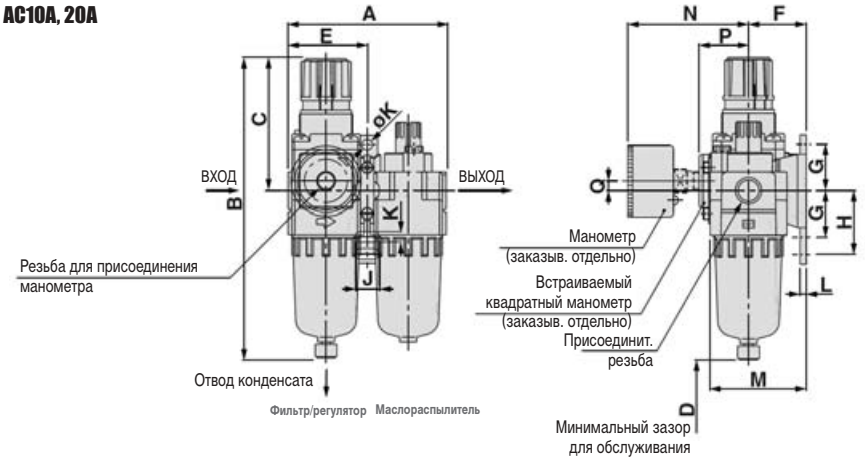
Примечания: 1) Для монтажа требуются отдельные переходные детали
2) Минимальное рабочее давление: Н.О. – 0.1 МПа. Н.З. – 0.15 МПа (AD17/27)
3) Прилагаются одно уплотнительное кольцо и два установочных винта

Компания SMC сохраняет за собой право на внесение технических и размерных изменений

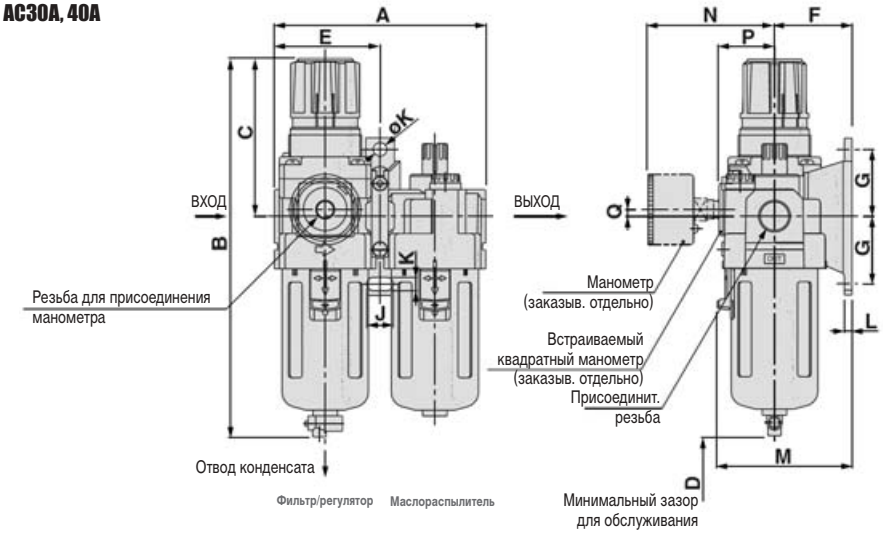
Устройства подготовки сжатого воздуха
AC10A - 40A

Размеры

AC10A, 20A



AC30A, 40A



Стандарт

Типоразмер	Присоединительная резьба	A	B	C	D	E	F	G	H	J	øK	L	M
10	M5	56	108	48	35	28	25	20	27	7	4.5	2.8	40
20	G1/8, G1/4	83	160	73	60	41.5	30	24	33	12	5.5	3.2	50
30	G1/4, G3/8	110	201	86	80	55	41	35	-	14	7	4	71
40	G1/4, G3/8, G1/2	145	239	92	110	72.5	50	40	-	18	9	4	88

С принадлежностями

Типоразмер	С манометром			Автомат. отвод конденсата
	N	P	Q	B
10	26	-	0	126
20	63	27	5	177
30	66	30.5	3.5	242
40	76	38.5	1.5	278

Номер для заказа

Типоразмер	Присоединительная резьба	**Номер для заказа**	
		Отвод конденсата вручную	Автоматический отвод конденсата
10	M5	**AC10A-M5**	**AC10A-M5C**
20	G1/8	**AC20A-F01**	**AC20A-F01C**
	G1/4	**AC20A-F02**	**AC20A-F02C**
30	G1/4	**AC30A-F02**	**AC30A-F02D**
	G3/8	**AC30A-F03**	**AC30A-F03D**
40	G1/4	**AC40A-F02**	**AC40A-F02D**
	G3/8	**AC40A-F03**	**AC40A-F03D**
	G1/2	**AC40A-F04**	**AC40A-F04D**

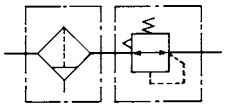
Манометры заказываются отдельно

Air Combination

Air Filter + Regulator

AC10B to AC60B

JIS Symbol



How to Order

AC 30 B – ❶ ❷ 03 DE – ❹ – ❻

- 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) AC30B-F03DE1-SV-16NR

			Symbol	Description	❶ Body size 10	20	25	30	40	50	55	60
❷	Thread type		Nil	Metric thread (M5)	●	—	—	—	—	—	—	—
				Rc	—	●	●	●	●	●	●	●
			N Note 1)	NPT	—	●	●	●	●	●	●	●
			F Note 2)	G	—	●	●	●	●	●	●	●
			+									
❸	Port size		M5	M5	●	—	—	—	—	—	—	—
			01	1/8	—	●	—	—	—	—	—	—
			02	1/4	—	●	●	●	●	—	—	—
			03	3/8	—	—	●	●	●	—	—	—
			04	1/2	—	—	—	—	●	—	—	—
			06	3/4	—	—	—	—	●	●	—	—
			10	1	—	—	—	—	—	●	●	●
			+									
❹	Option Note 3)	a	Float type auto drain	Nil	Without auto drain	●	●	●	●	●	●	●	●
				C	Float type auto drain (N.C.)	●	●	●	●	●	●	●	●
				D	Float type auto drain (N.O.)	—	—	●	●	●	●	●	●
			+										
		b	Pressure gauge	Nil	Without pressure gauge	●	●	●	●	●	●	●	●
				E	Square embedded type pressure gauge (with limit indicator)	—	●	●	●	●	●	●	●
				G	Round type pressure gauge (without limit indicator)	●	—	—	—	—	—	—	—
					Round type pressure gauge (with limit indicator)	—	●	●	●	●	●	●	●
				M	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	—	●	●	●	●	●	●	●
			+										
❺	Attachment	c	Pressure switch	Nil	Without attachment	●	●	●	●	●	●	●	●
				S Note 4)	Mounting position: AF+**S**+AR	—	●	●	●	●	●	●	●
			T-interface	T Note 4)	Mounting position: AF+**T**+AR	●	●	●	●	●	●	●	●
			+										
		d	3-port valve for residual pressure release	Nil	Without attachment	●	●	●	●	●	●	●	●
				V	Mounting position: AF+AR+**V**	—	●	●	●	●	●	—	—
				V1 Note 5)	Mounting position: **V**+AF+AR□K	—	●	●	●	●	●	—	—
			+										
❻	Semi-standard	e	Set pressure	Nil	0.05 to 0.85 MPa setting	●	●	●	●	●	●	●	●
				1 Note 6)	0.02 to 0.2 MPa setting	●	●	●	●	●	●	●	●
			+										
		f	Bowl Note 7)	Nil	Polycarbonate bowl	●	●	●	●	●	●	●	●
				2	Metal bowl	●	●	●	●	●	●	●	●
				6	Nylon bowl	●	●	●	●	●	●	●	●
				8	Metal bowl with level gauge	—	—	●	●	●	●	●	●
				C	With bowl guard	—	●	—	—	—	—	—	—
				6C	Nylon bowl with bowl guard	—	●	—	—	—	—	—	—
			+										
		g	Filter drain port Note 8)	Nil	With drain cock	●	●	●	●	●	●	●	●
				J Note 9)	Drain guide 1/8	—	●	—	—	—	—	—	—
					Drain guide 1/4	—	—	●	●	●	●	●	●
				W Note 10)	Drain cock with barb fitting: For ø6 x ø4 nylon tube	—	—	●	●	●	●	●	●

AC20B

AC40B

		Symbol	Description	❶ Body size 10	20	25	30	40	50	55	60
❻ Semi-standard	h Exhaust mechanism	Nil	Relieving type	●	●	●	●	●	●	●	●
		N	Non-relieving type	●	●	●	●	●	●	●	●
		+									
	i Flow direction	Nil	Flow direction: Left to right	●	●	●	●	●	●	●	●
		R	Flow direction: Right to left	●	●	●	●	●	●	●	●
		+									
	j Pressure unit	Nil	Name plate and pressure gauge in imperial units: MPa	●	●	●	●	●	●	●	●
		Z Note 11)	Name plate, caution plate for bowl, and pressure gauge in imperial units: psi, °F	○ Note 13)	○ Note 13)	○ Note 13)	○ Note 13)	○ Note 13)	○ Note 13)	○ Note 13)	○ Note 13)
		ZA Note 12)	Digital pressure switch: With unit conversion function	—	△ Note 14)	△ Note 14)	△ Note 14)	△ Note 14)	△ Note 14)	△ Note 14)	△ Note 14)

Note 1) Drain guide is NPT1/8 (applicable to the AC20B) and NPT1/4 (applicable to the AC25B to AC60B). The auto drain port comes with ø3/8" one-touch fitting (applicable to the AC25B to AC60B).
Note 2) Drain guide is G1/8 (applicable to the AC20B) and G1/4 (applicable to the AC25B to AC60B).
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 T-interface or 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
Note 10) Metal bowl: The combination of 2 and 8 is not possible.
Note 11) For thread type: M5 and 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: M5 and NPT only
Note 14) △: Select with options: E1, E2, E3, E4.

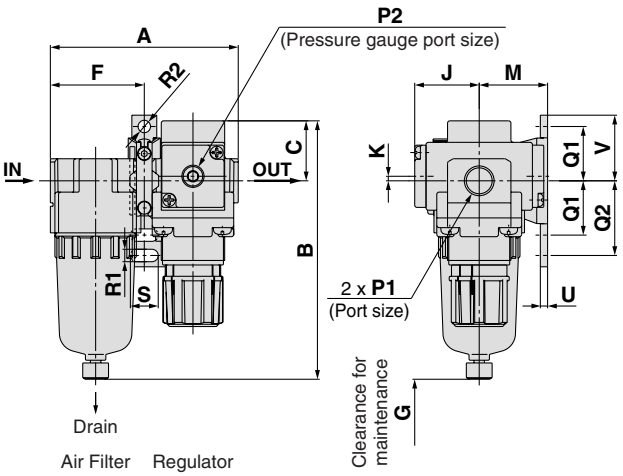
Standard Specifications

Model		AC10B	AC20B	AC25B	AC30B	AC40B	AC40B-06	AC50B	AC55B	AC60B
Component	**Air filter**	**AF10**	**AF20**	**AF30**	**AF30**	**AF40**	**AF40-06**	**AF50**	**AF60**	**AF60**
	Regulator	**AR10**	**AR20**	**AR25**	**AR30**	**AR40**	**AR40-06**	**AR50**	**AR50**	**AR60**
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
Pressure gauge port size Note 1)		1/16	1/8			1/4				
Fluid		Air								
Ambient and fluid temperature Note 2)		–5 to 60°C (with no freezing)								
Proof pressure		1.5 MPa								
Maximum operating pressure		1.0 MPa								
Set pressure range		0.05 to 0.7 MPa	0.05 to 0.85 MPa							
Relief pressure		Set pressure + 0.05 MPa Note 3) [at relief flow rate of 0.1 ℓ/min (ANR)]								
Nominal filtration rating		5 μm								
Bowl material		Polycarbonate								
Bowl guard		—	Semi-standard	Standard						
Regulator construction		Relieving type								
Mass (kg)		0.16	0.51	0.55	0.63	1.12	1.16	2.44	2.45	2.54

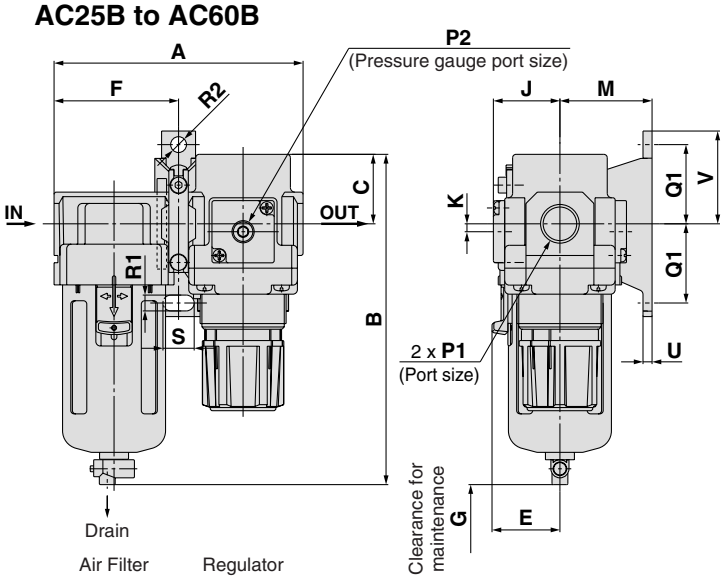
Note 1) Pressure gauge connection threads are not available for F.R.L. unit with a square embedded type pressure gauge or with a digital pressure switch (AC10B to AC60B).
Note 2) –5 to 50°C for the products with the digital pressure switch
Note 3) Not applicable to the AC10B.

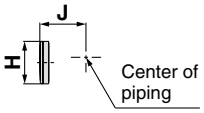
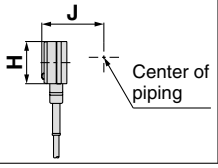
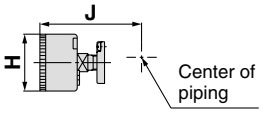
Dimensions

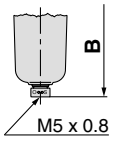
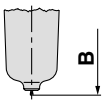
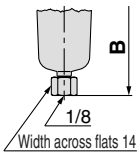
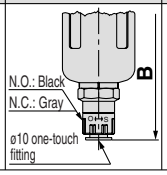
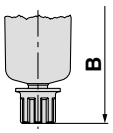
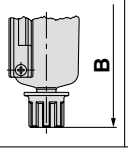
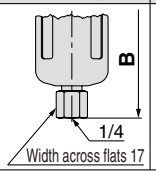
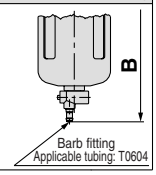
AC10B, AC20B



AC25B to AC60B



Applicable model	AC20B to AC60B		AC10B to AC60B	AC20B to AC60B
Option	Square embedded type pressure gauge	Digital pressure switch	Round type pressure gauge	Round type pressure gauge (with color zone)
Dimensions				

Applicable model	AC10B, AC20B		AC20B	AC25B to AC60B				
Optional/Semi-standard specifications	With auto drain (N.C.)	Metal bowl	With drain guide	With auto drain (N.O./N.C.)	Metal bowl	Metal bowl with level gauge	With drain guide	Drain cock with barb fitting
Dimensions								

Model	Standard specifications										Optional specifications							
											Square type pressure gauge		Digital pressure switch		Round type pressure gauge		Round type pressure gauge (with color zone)	
	P1	P2	A	B	C	E	F	G	J	K	H	J	H	J	H	J	H	J
AC10B	M5 x 0.8	1/16	56	71	11	—	28	25	13	0	—	—	—	—	ø26	26	—	—
AC20B	1/8, 1/4	1/8	83	114	26.5	—	41.5	40	28.5	2 Note)	□28	29.5	□27.8	40	ø37.5	65	ø37.5	65
AC25B	1/4, 3/8	1/8	110	143	28	30	55	50	27.5	0	□28	28.5	□27.8	39	ø37.5	64	ø37.5	64
AC30B	1/4, 3/8	1/8	110	146	31	30	55	50	29.5	3.5	□28	30.5	□27.8	41	ø37.5	66	ø37.5	66
AC40B	1/4, 3/8, 1/2	1/4	145	183	36	38	72.5	75	34	3.5	□28	35	□27.8	45	ø42.5	74	ø42.5	74
AC40B-06	3/4	1/4	155	185	36	38	77.5	75	34	3	□28	35	□27.8	45	ø42.5	74	ø42.5	74
AC50B	3/4, 1	1/4	186	263	43	45	93	20	43.5	3.3	□28	44.5	□27.8	55	ø42.5	84	ø42.5	84
AC55B	1	1/4	191	277	43	47.5	98	20	43.5	3.3	□28	44.5	□27.8	55	ø42.5	84	ø42.5	84
AC60B	1	1/4	196	280	46	47.5	98	20	43.5	3.3	□28	44.5	□27.8	55	ø42.5	84	ø42.5	84

Model	Optional specifications									Semi-standard specifications			
	Bracket mount								With auto drain	With barb fitting	With drain guide	Metal bowl	Metal bowl with level gauge
	M	Q1	Q2	R1	R2	S	U	V	B	B	B	B	B
AC10B	25	20	27	4.5	ø4.5	7	2.8	24.5	89	—	—	70	—
AC20B	30	24	33	5.5	ø5.5	12	3.2	29	132	—	118	114	—
AC25B	41	35	—	7	ø7	14	4	41	184	151	150	156	176
AC30B	41	35	—	7	ø7	14	4	41	187	154	153	159	179
AC40B	50	40	—	9	ø9	18	4	48	222	191	190	196	216
AC40B-06	50	40	—	9	ø9	18	4.6	48	224	193	192	198	218
AC50B	70	50	—	11	ø11	20	6.4	60	303	271	270	277	297
AC55B	70	50	—	11	ø11	20	6.4	60	316	285	284	290	310
AC60B	70	50	—	11	ø11	20	6.4	60	319	288	287	293	313

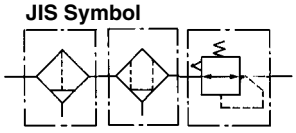
Note) For the AC20B only, the position of the pressure gauge is above the center of the piping.

Air Combination

Air Filter + Mist Separator + Regulator

AC20C to AC40C

JIS Symbol



Air Filter Mist Separator Regulator

How to Order

AC ❶30 C – ❷ ❸03 ❹DE – ❺ – ❻

- 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) AC30C-F03DE1-SV-16NR

			Symbol	Description	❶ Body size 20	25	30	40
❷	Thread type		**Nil**	Rc	●	●	●	●
			N Note 1)	NPT	●	●	●	●
			F Note 2)	G	●	●	●	●
			+					
❸	Port size		**01**	1/8	●	—	—	—
			02	1/4	●	●	●	●
			03	3/8	—	●	●	●
			04	1/2	—	—	—	●
			06	3/4	—	—	—	●
			+					
❹ Option Note 3)	**a**	Float type auto drain	**Nil**	Without auto drain	●	●	●	●
			C	Float type auto drain (N.C.)	●	●	●	●
			D	Float type auto drain (N.O.)	—	●	●	●
			+					
	b	Pressure gauge	**Nil**	Without pressure gauge	●	●	●	●
			E	Square embedded type pressure gauge (with limit indicator)	●	●	●	●
			G	Round type pressure gauge (with limit indicator)	●	●	●	●
			M	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	●	●	●	●
			+					
❺ Attachment	**c**	Pressure switch	**Nil**	Without attachment	●	●	●	●
			S Note 4)	Mounting position: AF+AFM+**S**+AR	●	●	●	●
		T-interface	**T** Note 4)	Mounting position: AF+AFM+**T**+AR	●	●	●	●
			+					
	d	3-port valve for residual pressure release	**Nil**	Without attachment	●	●	●	●
			V	Mounting position: AF+AFM+AR+**V**	●	●	●	●
			V1 Note 5)	Mounting position: **V**+AF+AFM+AR□K	●	●	●	●
			+					
❻ Semi-standard	**e**	Set pressure	**Nil**	0.05 to 0.85 MPa setting	●	●	●	●
			1 Note 6)	0.02 to 0.2 MPa setting	●	●	●	●
			+					
	f	Bowl Note 7)	**Nil**	Polycarbonate bowl	●	●	●	●
			2	Metal bowl	●	●	●	●
			6	Nylon bowl	●	●	●	●
			8	Metal bowl with level gauge	—	●	●	●
			C	With bowl guard	●	—	—	—
			6C	Nylon bowl with bowl guard	●	—	—	—
			+					
	g	Filter Mist separator drain port Note 8)	**Nil**	With drain cock	●	●	●	●
			J Note 9)	Drain guide 1/8	●	—	—	—
				Drain guide 1/4	—	●	●	●
			W Note 10)	Drain cock with barb fitting: For ø6 x ø4 nylon tube	—	●	●	●
			+					
	h	Exhaust mechanism	**Nil**	Relieving type	●	●	●	●
			N	Non-relieving type	●	●	●	●

AC20C

AC40C

		Symbol	Description	❶ Body size 20	25	30	40
❻ Semi-standard	i Flow direction	Nil	Flow direction: Left to right	●	●	●	●
		R	Flow direction: Right to left	●	●	●	●
	+						
	j Pressure unit	Nil	Name plate and pressure gauge in imperial units: MPa	●	●	●	●
		Z Note 11)	Name plate, caution plate for bowl, and pressure gauge in imperial units: psi, °F	○ Note 13)	○ Note 13)	○ Note 13)	○ Note 13)
		ZA Note 12)	Digital pressure switch: With unit conversion function	△ Note 14)	△ Note 14)	△ Note 14)	△ Note 14)

Note 1) Drain guide is NPT1/8 (applicable to the AC20C) and NPT1/4 (applicable to the AC30C to AC40C). The auto drain port comes with ø3/8" one-touch fitting (applicable to the AC30C to AC40C).
Note 2) Drain guide is G1/8 (applicable to the AC20C) and G1/4 (applicable to the AC30C to AC40C).
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 T-interface or 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
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.

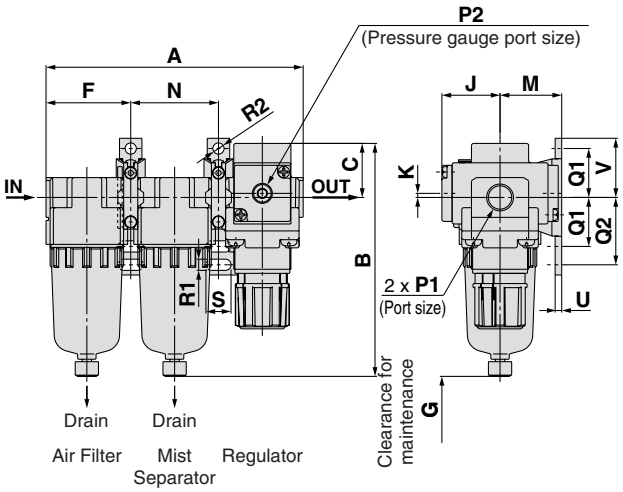
Standard Specifications

Model		AC20C	AC25C	AC30C	AC40C	AC40C-06
Component	Air filter	AF20	AF30	AF30	AF40	AF40-06
	Mist separator	AFM20	AFM30	AFM30	AFM40	AFM40-06
	Regulator	AR20	AR25	AR30	AR40	AR40-06
Port size		1/8, 1/4	1/4, 3/8	1/4, 3/8	1/4, 3/8, 1/2	3/4
Pressure gauge port size Note 1)		1/8			1/4	
Fluid		Air				
Ambient and fluid temperature Note 2)		–5 to 60°C (with no freezing)				
Proof pressure		1.5 MPa				
Maximum operating 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)				
Outlet side oil mist concentration		Max. 1.0 mg/m³ (ANR) (≈ 0.8 ppm) Note 4) Note 5)				
Rated flow (ℓ/min (ANR)) Note 3)		200	450	450	1100	1100
Bowl material		Polycarbonate				
Bowl guard		Semi-standard	Standard			
Regulator construction		Relieving type				
Mass (kg)		0.74	0.88	0.95	1.76	1.83

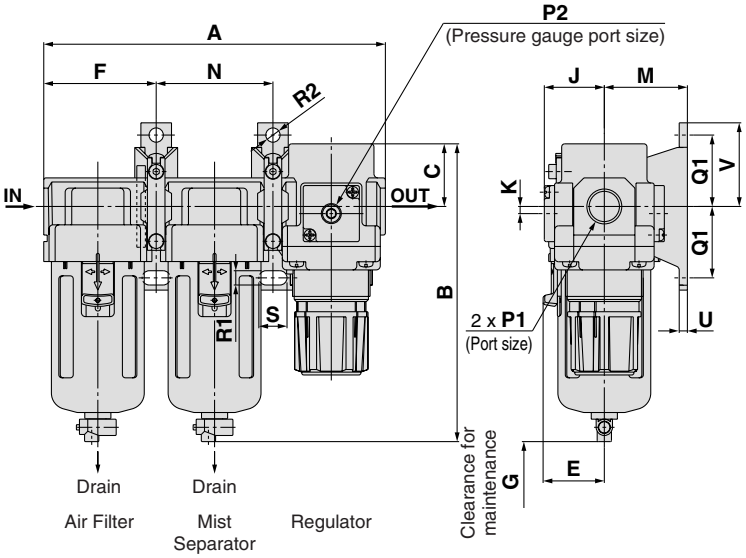
Note 1) Pressure gauge connection threads are not available for F.R.L. unit with a square embedded type pressure gauge or with a digital pressure switch (AC20C to AC40C).
Note 2) –5 to 50°C for the products with the digital pressure switch.
Note 3) Conditions: Mist separator inlet pressure: 0.7 MPa; 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.
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.

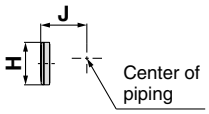
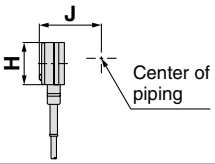
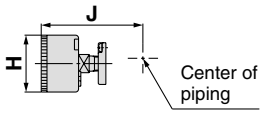
Dimensions

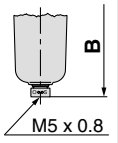
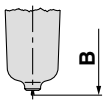
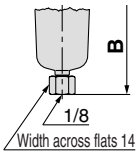
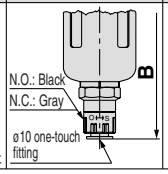
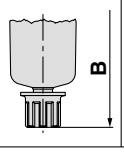
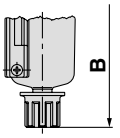
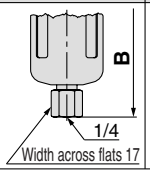
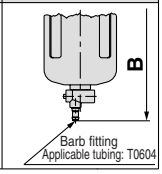
AC20C



AC25C to AC40C-06



Applicable model	AC20C to AC40C-06			
Option	Square embedded type pressure gauge	Digital pressure switch	Round type pressure gauge	Round type pressure gauge (with color zone)
Dimensions				

Applicable model	AC20C			AC25C to AC40C-06				
Optional/Semi-standard specifications	With auto drain (N.C.)	Metal bowl	With drain guide	With auto drain (N.O./N.C.)	Metal bowl	Metal bowl with level gauge	With drain guide	Drain cock with barb fitting
Dimensions								

Model	Standard specifications										Optional specifications							
											Square type pressure gauge		Digital pressure switch		Round type pressure gauge		Round type pressure gauge (with color zone)	
	P1	P2	A	B	C	E	F	G	J	K	H	J	H	J	H	J	H	J
AC20C	1/8, 1/4	1/8	126	114	26.5	—	41.5	45	28.5	2 Note)	□28	29.5	□27.8	40	ø37.5	65	ø37.5	65
AC25C	1/4, 3/8	1/8	167	143	28	30	55	50	27.5	0	□28	28.5	□27.8	39	ø37.5	64	ø37.5	64
AC30C	1/4, 3/8	1/8	167	146	31	30	55	50	29.5	3.5	□28	30.5	□27.8	41	ø37.5	66	ø37.5	66
AC40C	1/4, 3/8, 1/2	1/4	220	183	36	38	72.5	75	34	3.5	□28	35	□27.8	45	ø42.5	74	ø42.5	74
AC40C-06	3/4	1/4	235	185	36	38	77.5	75	34	3	□28	35	□27.8	45	ø42.5	74	ø42.5	74

Model	Optional specifications									Semi-standard specifications				
	Bracket mount									With auto drain	With barb fitting	With drain guide	Metal bowl	Metal bowl with level gauge
	M	N	Q1	Q2	R1	R2	S	U	V	B	B	B	B	B
AC20C	30	43	24	33	5.5	ø5.5	12	3.2	29	132	—	118	114	—
AC25C	41	57	35	—	7	ø7	14	4	41	184	151	150	156	176
AC30C	41	57	35	—	7	ø7	14	4	41	187	154	153	159	179
AC40C	50	75	40	—	9	ø9	18	4	48	222	191	190	196	216
AC40C-06	50	80	40	—	9	ø9	18	4.6	48	224	193	192	198	218

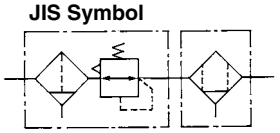
Note) For the AC20C only, the position of the pressure gauge is above the center of the piping.

Air Combination

Filter Regulator + Mist Separator

AC20D to AC40D

JIS Symbol



Filter Regulator Mist Separator

How to Order

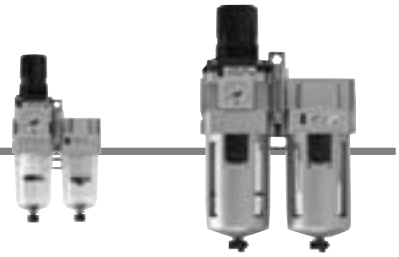
AC 30 D – ❷ 03 DE – ❺ – ❻

❶ ❷ ❸ ❹ ❺ ❻

- 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

			Symbol	Description	❶ Body size 20	30	40
❷	Thread type		Nil	Rc	●	●	●
			N Note 1)	NPT	●	●	●
			F Note 2)	G	●	●	●
			+				
❸	Port size		01	1/8	●	—	—
			02	1/4	●	●	●
			03	3/8	—	●	●
			04	1/2	—	—	●
			06	3/4	—	—	●
			+				
❹	Option Note 3)	a Float type auto drain	Nil	Without auto drain	●	●	●
			C	Float type auto drain (N.C.)	●	●	●
			D	Float type auto drain (N.O.)	—	●	●
			+				
		b Pressure gauge	Nil	Without pressure gauge	●	●	●
			E	Square embedded type pressure gauge (with limit indicator)	●	●	●
			G	Round type pressure gauge (with limit indicator)	●	●	●
			M	Round type pressure gauge (with color zone)	●	●	●
		b 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	●	●	●
			+				
❺	Attachment	c Pressure switch	Nil	Without attachment	●	●	●
			S Note 4)	Mounting position: AW+**S**+AFM	●	●	●
			+				
		d 3-port valve for residual pressure release	Nil	Without attachment	●	●	●
			V	Mounting position: AW+AFM+**V**	●	●	●
			V1 Note 5)	Mounting position: **V**+AW□K+AFM	●	●	●
			+				
❻	Semi-standard	e Set pressure	Nil	0.05 to 0.85 MPa setting	●	●	●
			1 Note 6)	0.02 to 0.2 MPa setting	●	●	●
			+				
		f Bowl Note 7)	Nil	Polycarbonate bowl	●	●	●
			2	Metal bowl	●	●	●
			6	Nylon bowl	●	●	●
			8	Metal bowl with level gauge	—	●	●
			C	With bowl guard	●	—	—
			6C	Nylon bowl with bowl guard	●	—	—
			+				
		g Filter regulator Mist separator drain port Note 8)	Nil	With drain cock	●	●	●
			J Note 9)	Drain guide 1/8	●	—	—
				Drain guide 1/4	—	●	●
			W Note 10)	Drain cock with barb fitting: For ø6 x ø4 nylon tube	—	●	●
			+				
		h Exhaust mechanism	Nil	Relieving type	●	●	●
			N	Non-relieving type	●	●	●
			+				
		i Flow direction	Nil	Flow direction: Left to right	●	●	●
			R	Flow direction: Right to left	●	●	●



AC20D AC40D

	Symbol	Description	❶ Body size 20	30	40
6 Semi-standard, j Pressure unit	**Nil**	Name plate and pressure gauge in imperial units: MPa	●	●	●
	Z Note 11)	Name plate, caution plate for bowl, and pressure gauge in imperial units: psi, °F	○ Note 13)	○ Note 13)	○ Note 13)
	ZA Note 12)	Digital pressure switch: With unit conversion function	△ Note 14)	△ Note 14)	△ Note 14)

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
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.

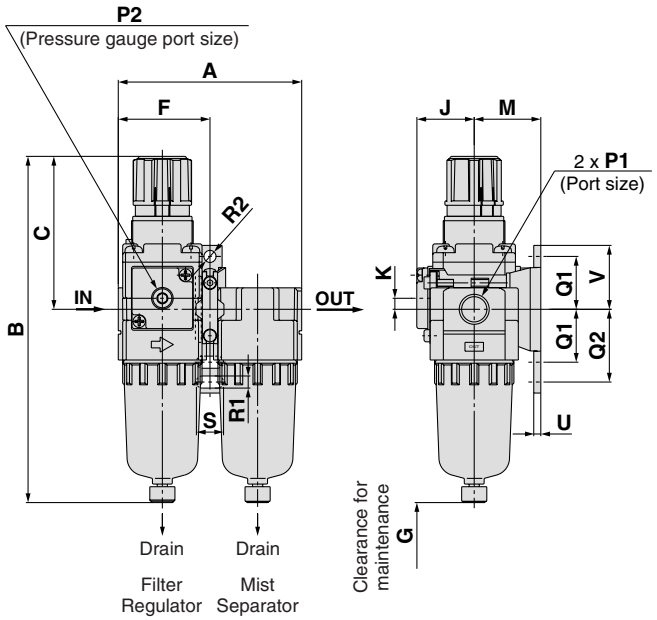
Standard Specifications

Model		AC20D	AC30D	AC40D	AC40D-06
Component	Filter regulator	AW20	AW30	AW40	AW40-06
	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 gauge port size Note 1)		1/8		1/4	
Fluid		Air			
Ambient and fluid temperature Note 2)		–5 to 60°C (with no freezing)			
Proof pressure		1.5 MPa			
Maximum operating 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 (ℓ/min (ANR)) Note 3)		150	330	800	800
Outlet side oil mist concentration		Max. 1.0 mg/m³ (ANR) (≈ 0.8 ppm) Note 4) Note 5)			
Bowl material		Polycarbonate			
Bowl guard		Semi-standard	Standard		
Regulator construction		Relieving type			
Mass (kg)		0.57	0.74	1.38	1.43

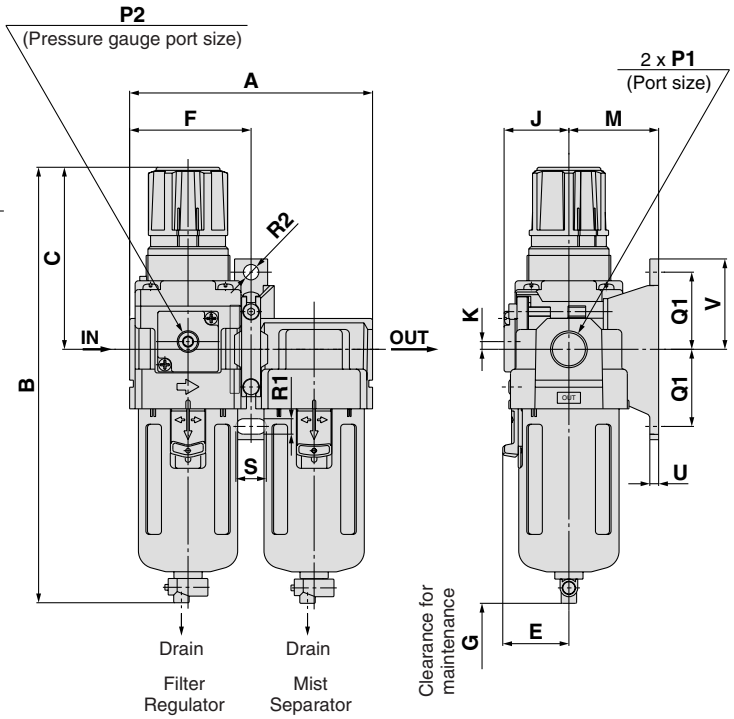
Note 1) Pressure gauge connection threads are not available for F.R.L. unit with a square embedded type pressure gauge or with a digital pressure switch (AC20D to AC40D).
Note 2) –5 to 50°C for the products with the digital pressure switch
Note 3) Conditions: Mist separator inlet pressure: 0.5 MPa; The 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.

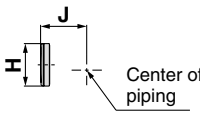
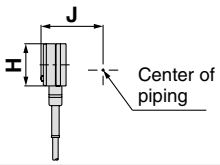
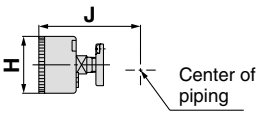
Dimensions

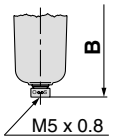
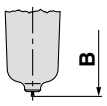
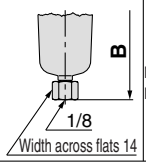
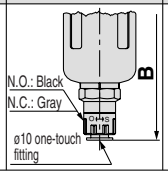
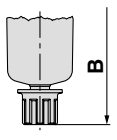
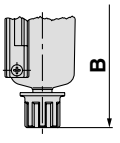
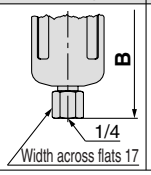
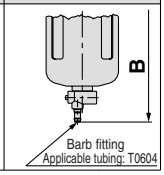
AC20D



AC30D to AC40D-06



Applicable model	AC20D to AC40D-06			
Option	Square embedded type pressure gauge	Digital pressure switch	Round type pressure gauge	Round type pressure gauge (with color zone)
Dimensions				

Applicable model	AC20D			AC30D to AC40D-06				
Optional/Semi-standard specifications	With auto drain (N.C.)	Metal bowl	With drain guide	With auto drain (N.O./N.C.)	Metal bowl	Metal bowl with level gauge	With drain guide	Drain cock with barb fitting
Dimensions								

Model	Standard specifications										Optional specifications							
											Square type pressure gauge		Digital pressure switch		Round type pressure gauge		Round type pressure gauge (with color zone)	
	P1	P2	A	B Note)	C	E	F	G	J	K	H	J	H	J	H	J	H	J
AC20D	1/8, 1/4	1/8	83	160	73	—	41.5	45	26	5	□28	27	□27.8	37.5	ø37.5	63	ø37.5	63
AC30D	1/4, 3/8	1/8	110	201	86	30	55	55	29.5	3.5	□28	30.5	□27.8	41	ø37.5	66	ø37.5	66
AC40D	1/4, 3/8, 1/2	1/4	145	239	92	38	72.5	80	37.5	1.5	□28	38.5	□27.8	49	ø42.5	76	ø42.5	76
AC40D-06	3/4	1/4	155	242	93	38	77.5	80	37.5	1.2	□28	38.5	□27.8	49	ø42.5	76	ø42.5	76

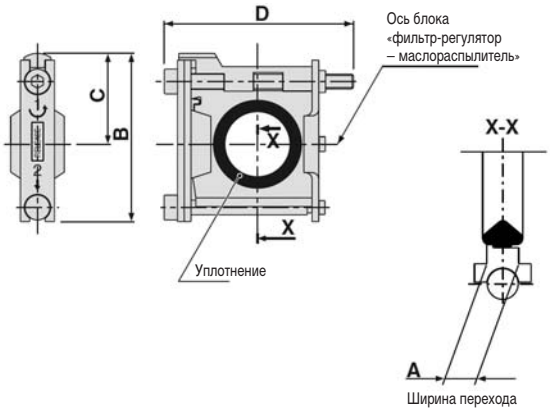
Model	Optional specifications									Semi-standard specifications			
	Bracket mount								With auto drain	With barb fitting	With drain guide	Metal bowl	Metal bowl with level gauge
	M	Q1	Q2	R1	R2	S	U	V	B	B	B	B	B
AC20D	30	24	33	5.5	ø5.5	12	3.2	29	177	—	164	160	—
AC30D	41	35	—	7	ø7	14	4	41	242	209	208	214	234
AC40D	50	40	—	9	ø9	18	4	48	278	247	246	252	272
AC40D-06	50	40	—	9	ø9	18	4.6	48	282	251	249	255	275

Note) The total length of B dimension is the length when the filter regulator knob is unlocked.

Переходная деталь

Y200

Y400

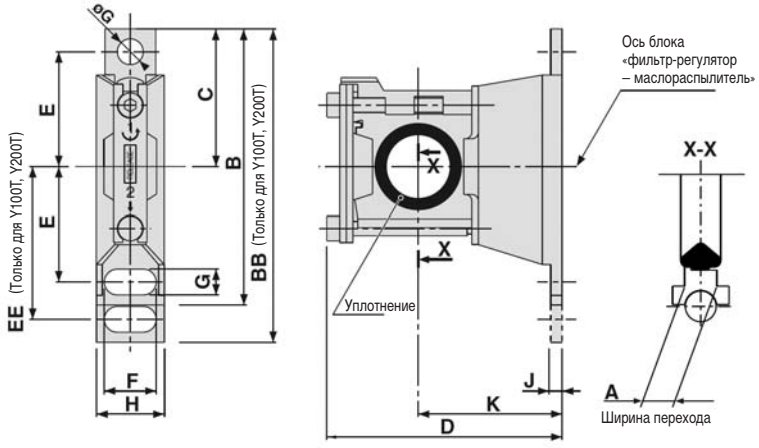


Номер для заказа	A	B	C	D	Для типоразмера
Y100	6	27	15	33	AC10, AC10A
Y200	3	35.5	18.5	48	AC20, AC20A
Y300	4	47	26	59	AC30, AC30A
Y400	5	57	31	65	AC40, AC40A
Y600	6	75.5	41	86	AC60, AC50

Переходная деталь с крепежным угольником формы T

Y200T

Y400T



Номер для заказа	A	B	BB	C	D	E	EE	F	G	øG	H	J	K	Для типоразмера
Y100T	6	-	56	24.5	40.5	20	27	6.8	4.5	4.5	14	2.8	25	AC10, AC10A
Y200T	3	-	67	29	53	24	33	12	5.5	5.5	19	3.2	30	AC20, AC20A
Y300T	4	82	-	41	68	35	-	14	7	7	21	4	41	AC30, AC30A
Y400T	5	96	-	48	81.5	40	-	18	9	9	26	4	50	AC40, AC40A
Y600T	6	120	-	60	112	50	-	20	11	11	31	6.4	70	AC50, AC60

Рекомплекты

Наименование	Материал	Номер для заказа				
		Y100, Y100T	Y200, Y200T	Y300, Y300T	Y400, Y400T	Y600, Y600T
Уплотнение	HNBR	**Y100P-060AS**	**Y200P-060AS**	**Y300P-060AS**	**Y400P-060AS**	**Y600P-060AS**

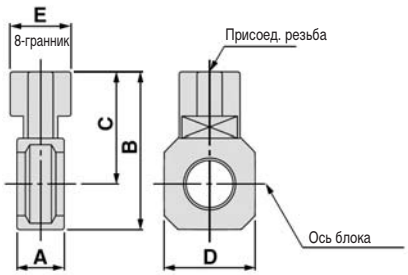
Примечания: 1) Y100 и Y100T поставляются с двумя уплотнительными кольцами
2) Для Y100 используется NBR ввиду отсутствия прямого контакта со средой

Компания SMC сохраняет за собой право на внесение технических и размерных изменений

Принадлежности для модульного монтажа
Промежуточный отвод

Промежуточный отвод

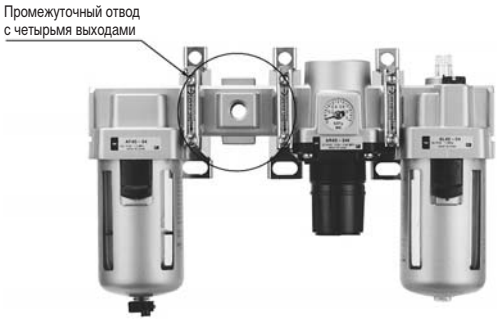
Y110 - Y610

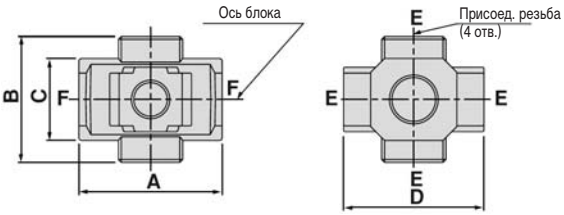


Номер для заказа	Присоедини-тельная резьба	A	B	C	D	E	Для типоразмера
Y110-M5	M5	11	19	12	14	8	AC10, AC10A
Y210-F01	G1/8	15	42	32	28	19	AC20, AC20A
Y210-F02	G1/4						
Y310-F01	G1/8	15	53	39	30	19	AC30, AC30A
Y310-F02	G1/4						
Y410-F02	G1/4	19	62	44	36	24	AC40, AC40A
Y410-F03	G3/8						
Y610-F03	G3/8	22	81	57	53	30	AC50, AC60
Y610-F04	G1/2						

Промежуточный отвод с четырьмя выходами

Y14 - Y44

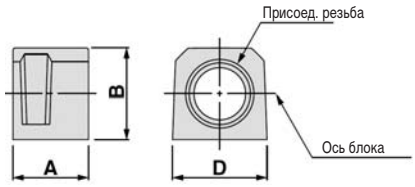




Номер для заказа	Присоедини-тельная резьба	A	B	C	D	Для типоразмера
Y14-M5	M5	23	16	14	25	AC10, AC10A
Y24-F01	G1/8	40	40	22	40	AC20, AC20A
Y24-F02	G1/4					
Y34-F01	G1/8	49	43	28	48	AC30, AC30A
Y34-F02	G1/4					
Y44-F02	G1/4	60	48	36	54	AC40, AC40A
Y44-F03	G3/8					

Переходник

E100 - E600



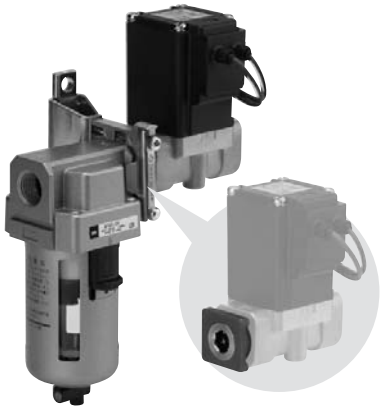
Номер для заказа	Присоедини-тельная резьба	A	B	D	Для устройств
E100-M5	M5	10	14	14	AC10, AC10A
E200-F01	G1/8	30	23.5	28	AC20, AC20A
E200-F02	G1/4				
E200-F03	G3/8				
E300-F02	G1/4	32	30	30	AC30, AC30A
E300-F03	G3/8				
E300-F04	G1/2				
E400-F02	G1/4	32	36	36	AC40, AC40A
E400-F03	G3/8				
E400-F04	G1/2				
E400-F06	G3/4				
E600-F06	G3/4	35	48	53	AC50, AC60
E600-F10	G1				

Резьбовой переходник E210, E310, E410

Предназначен для присоединения изделий с внутренней резьбой к устройствам модульной системы

- Соединяет устройства разных типоразмеров, например, AF30 и ARG20
- Позволяет варьировать угол установки

Номер для заказа	Типоразмер изделий модульной серии	Присоединение (универсальная резьба)	Типоразмер клапана / пневмораспределителя
E210-U01	20	1/8	VP344, VX21
E210-U02		1/4	VP344/544, VCA31, VX21/22/23, VXD213, VXZ22
E310-U02	30	1/4	VP344/544, VCA31, VX21/22/23, VXD213, VXZ22
E310-U03		3/8	VP544/744, VCA31/41, VX22/23, VXD214
E410-U02	40	1/4	VP344/544, VCA31, VX21/22/23, VXD213, VXZ22
E410-U03		3/8	VP544/744, VCA31/41, VX22/23, VXD214
E410-U04		1/2	VCA41, VX22/23, VXD213/214, VXZ22



Ремкомплекты

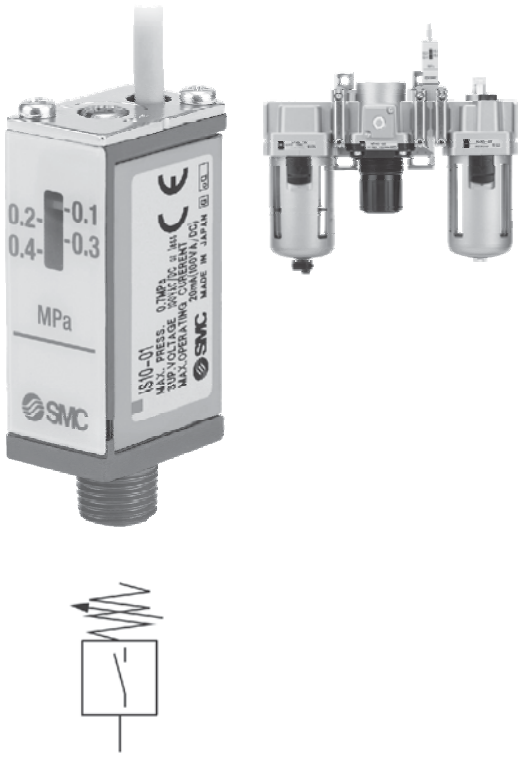
Наименование	Материал	Номер для заказа				
		E210-U01	E210-U02	E310-U02 E410-U02	E310-U03 E410-U03	E410-U04
Уплотнение	NBR	**E210P-040S** **-**	**E210P-030S** **E210P-050S**	**E210P-030S** **-**	**E310P-030S** **-**	**E410P-030S** **-**

Компания SMC сохраняет за собой право на внесение технических и размерных изменений

Принадлежности для модульного монтажа
Реле давления IS10

Реле давления IS10 применяется для контроля давления сжатого воздуха

- Ресурс 5 млн циклов
- Пригодно для модульного монтажа
- Различные варианты монтажа:
  - на выходе блока подготовки сжатого воздуха
  - между устройствами подготовки сжатого воздуха
  - самостоятельный монтаж
- Исполнения с диапазоном с диапазоном срабатывания (0.1 ~ 0.4) МПа, с кабелем 0.5 м или 5 м - по запросу



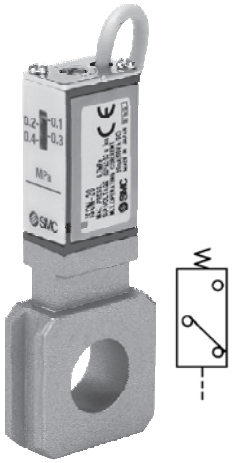
Технические характеристики

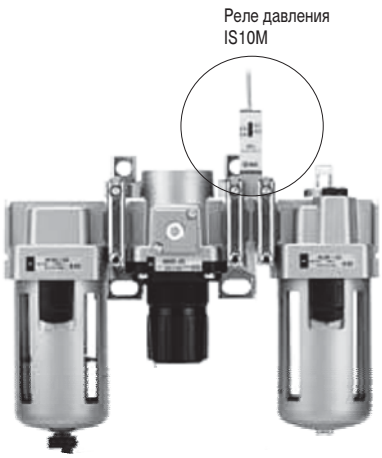
Рабочая среда		Сжатый воздух
Испытательное давление (МПа)		1.0
Макс. рабочее давление (МПа)		0.7
Давление срабатывания (МПа)		0.1 ~ 0.6
Гистерезис (МПа)		0.08
Воспроизводимость (МПа)		0.05
Тип коммутации		Нормально-разомкнутый *
Рабочее напряжение, ток		12 ~ 100 В (AC/DC), 50 мА
Максимальная нагрузка	постоянный ток (Вт)	2
	переменный ток (ВА)	2
Время переключения (мс)		1.2
Стойкость к ударным нагрузкам (G)		30
Соединительный кабель		двухпроводной, длина 3 м
Диапазон рабочих температур (°C)		-5 ~ 60
Присоединение		R 1/8
Степень защиты		IP40

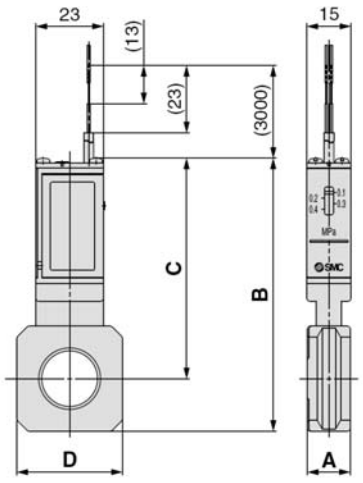
* при отсутствии давления электрическая цепь размыкается

Реле давления IS10M

Монтируется между двумя устройствами





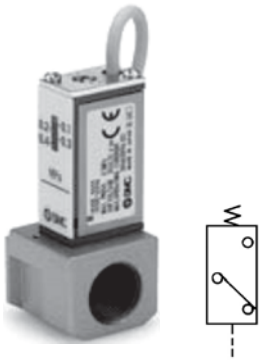


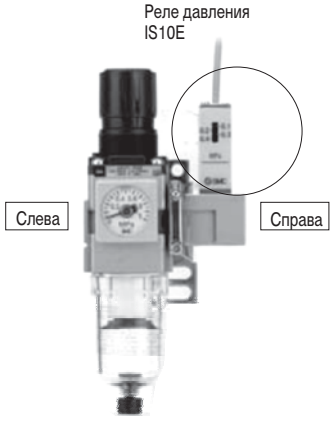
Номер для заказа	A	B	C	D	Типоразмер для модульного монтажа
IS10M-20-6L	11	74	64	28	AC20, AC20A
IS10M-30-6L	13	85	71	30	AC30, AC30A
IS10M-40-6L	15	93	75	36	AC40, AC40A
IS10M-60-6L	22	91	67	53	AC50, AC60

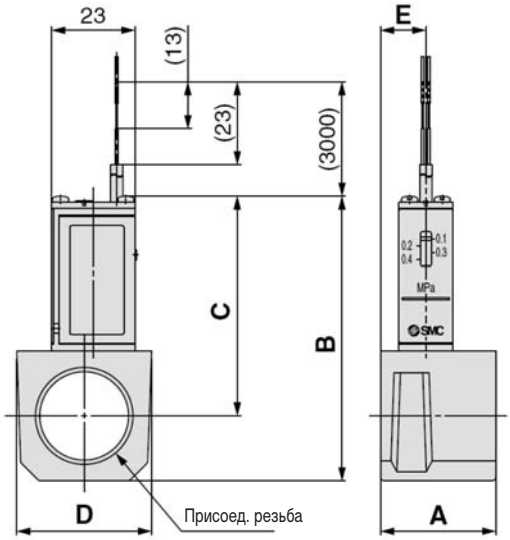
Примечание: для монтажа требуются отдельные переходные детали.

Реле давления IS10E

Монтируется на выходе устройства подготовки сжатого воздуха







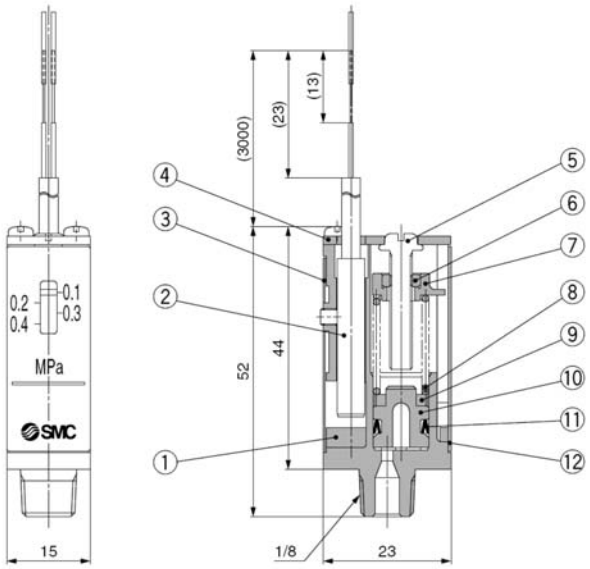
Номер для заказа		A	B	C	D	E	Типоразмер для модульного монтажа
Монтаж справа	Монтаж слева						
IS10E-20F01-6L	**IS10E-20F01-6LR**	30	66	55	28	16	AC20, AC20A
IS10E-20F02-6L	**IS10E-20F02-6LR**						
IS10E-20F03-6L	**IS10E-20F03-6LR**						
IS10E-30F02-6L	**IS10E-30F02-6LR**	32	73	59	30	13	AC30, AC30A
IS10E-30F03-6L	**IS10E-30F03-6LR**						
IS10E-30F04-6L	**IS10E-30F04-6LR**						
IS10E-40F02-6L	**IS10E-40F02-6LR**	32	79	61	37	13	AC40, AC40A
IS10E-40F03-6L	**IS10E-40F03-6LR**						
IS10E-40F04-6L	**IS10E-40F04-6LR**						
IS10E-40F06-6L	**IS10E-40F06-6LR**						

Примечание: для монтажа требуется отдельная переходная деталь

Реле давления IS10-01

Номер для заказа	Присоед. резьба	A	B	C	D
IS10-01-6L	R1/8	23	50	58.5	15

Конструкция и размеры



Спецификация

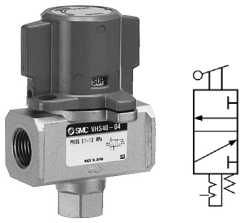
Поз.	Наименование	Материал
1	Корпус	ZDC
2	Переключающий элемент	-
3	Пластина	Стальной лист
4	Крышка	
5	Регулировочный винт	Латунь
6	Гайка	
7	Индикатор	PBT
8	Пружина	Нерж. сталь
9	Магнит	-
10	Поршень	POM
11	Уплотнение поршня	NBR
12	Шкала	PC

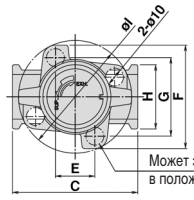
Компания SMC сохраняет за собой право на внесение технических и размерных изменений

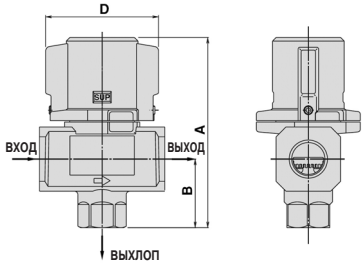
Принадлежности для модульного монтажа
Ручной запорный клапан / Промежуточный отвод с обратным клапаном

Ручной запорный клапан VHS20–50

Предназначен для подачи и выпуска сжатого воздуха из пневмосистемы
- Визуальный контроль состояния SUP/EXH (Вкл./Выкл.)
- Пригоден для модульного монтажа







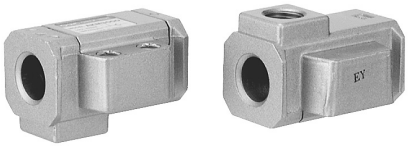
Показатели расхода

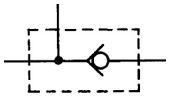
Типоразмер	Эквивалентное сечение (мм²)	
	ВКЛ. - ВЫКЛ.	ВЫКЛ. - ВКЛ.
VHS20-F01	10	11
VHS20-F02	14	16
VHS30-F02	16	14
VHS30-F03	31	29
VHS40-F02	27	36
VHS40-F03	38	40
VHS40-F04	55	42
VHS50-F06	82	50
VHS50-F10	125	53

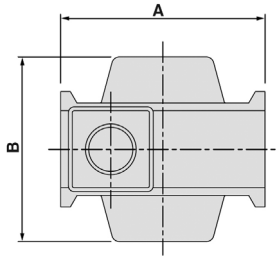
Типоразмер для модульного монтажа	**Номер для заказа**	Присоединительная резьба	Выпуск	A	B	C	D	E	F	G	H	I	Принадлежности (заказываются отдельно)	
													Варианты крепежа для модульного монтажа	Пневмоглушитель
20	**VHS20-F01**	G1/8	G1/8	59	20	40	34	-	45	33	28	45	Y200, Y200T	AN103-01
	VHS20-F02	G1/4												
30	**VHS30-F02**	G1/4	G1/4	78	29	53	46	-	55	42	30	55	Y300, Y300T	AN200-02
	VHS30-F03	G3/8												
40	**VHS40-F02**	G1/4	G3/8	107	39	70	63	22	58	44	36	63	Y400, Y400T	AN300-03
	VHS40-F03	G3/8												
	VHS40-F04	G1/2												
50	**VHS50-F06**	G3/4	G1/2	134	53	90	78	26	76	61	54	81	Y600, Y600T	AN400-04
	VHS50-F10	G1												

Промежуточный отвод с обратным клапаном AKM2000–4000

Применяется для предотвращения обратного течения маслосодержащего воздуха из маслораспылителя в промежуточный отвод



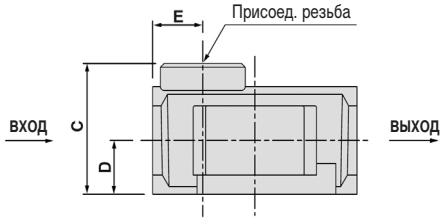




Показатели расхода

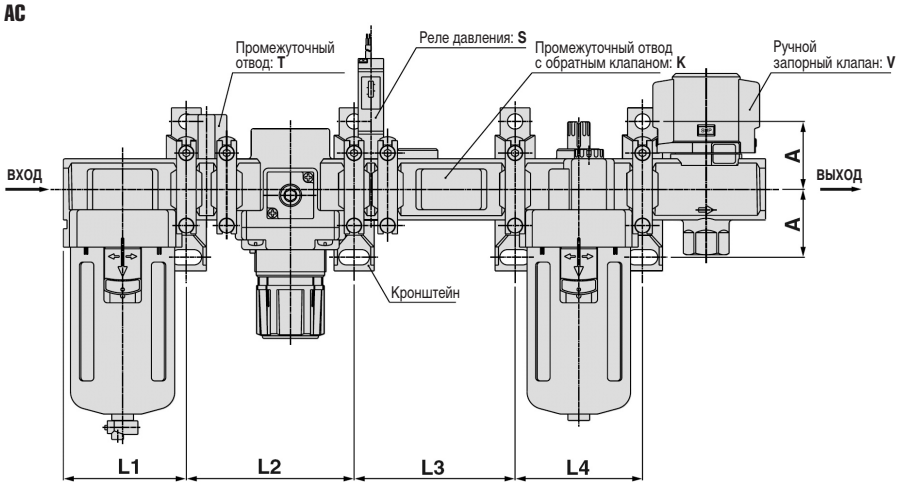
Тип	Эквивалентное сечение (мм²)
AKM2000	28
AKM3000	55
AKM4000	111

Номер для заказа	Присоединительная резьба	A	B	C	D	E	Типоразмер для модульного монтажа
AKM2000-F01	G1/8	40	40	28	11	11	AC20, AC20A
AKM2000-F02	G1/4						
AKM3000-F01	G1/8	53	48	34	14	13	AC30, AC30A
AKM3000-F02	G1/4						
AKM4000-F02	G1/4	70	54	42	18	15	AC40, AC40A
AKM4000-F03	G3/8						

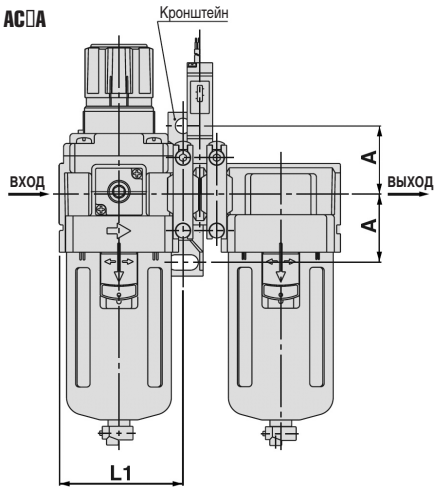


Монтажные размеры для переходных деталей с кронштейнами

AC



AC□A



Модель	K			S		T		V			KS			KT			KV				KST		
	L1	L2	L3	L1	L2	L1	L2	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L4	L1	L2	L3
AC10	-	-	-	-	-	28	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AC20	41.5	43	43	41.5	43	41.5	61	41.5	43	43	41.5	43	57	41.5	61	43	41.5	43	43	43	41.5	61	57
AC30	55	57	57	55	57	55	76	55	57	57	55	57	74	55	76	57	55	57	57	57	55	76	74
AC40	72.5	75	75	72.5	75	72.5	99	72.5	75	75	72.5	75	95	72.5	99	75	72.5	75	75	75	72.5	99	95
AC50	-	-	-	93	96	93	124	93	96	96	-	-	-	-	-	-	-	-	-	-	-	-	-
AC60	-	-	-	98	101	98	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Модель	KSV				KTV				KSTV				ST		SV			STV			TV		
	L1	L2	L3	L4	L1	L2	L3	L4	L1	L2	L3	L4	L1	L2	L1	L2	L3	L1	L2	L3	L1	L2	L3
AC10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AC20	41.5	43	57	43	41.5	61	43	43	41.5	61	57	43	41.5	61	41.5	43	57	41.5	61	57	41.5	61	43
AC30	55	57	74	57	55	76	57	57	55	76	74	57	55	76	55	57	74	55	76	74	55	76	57
AC40	72.5	75	95	75	72.5	99	75	75	72.5	99	95	75	72.5	99	72.5	75	95	72.5	99	95	72.5	99	75
AC50	-	-	-	-	-	-	-	-	-	-	-	-	93	124	93	96	124	93	124	124	93	124	96
AC60	-	-	-	-	-	-	-	-	-	-	-	-	98	129	-	-	-	-	-	-	-	-	-

Модель	K		S	V		KS		KV			KSV			SV	
	L1	L2	L1	L1	L2	L1	L2	L1	L2	L3	L1	L2	L3	L1	L2
AC20A	41.5	43	41.5	41.5	43	41.5	57	41.5	43	43	41.5	57	43	41.5	57
AC30A	55	57	55	55	57	55	74	55	57	57	55	74	57	55	74
AC40A	72.5	75	72.5	72.5	75	72.5	95	72.5	75	75	72.5	95	75	72.5	95

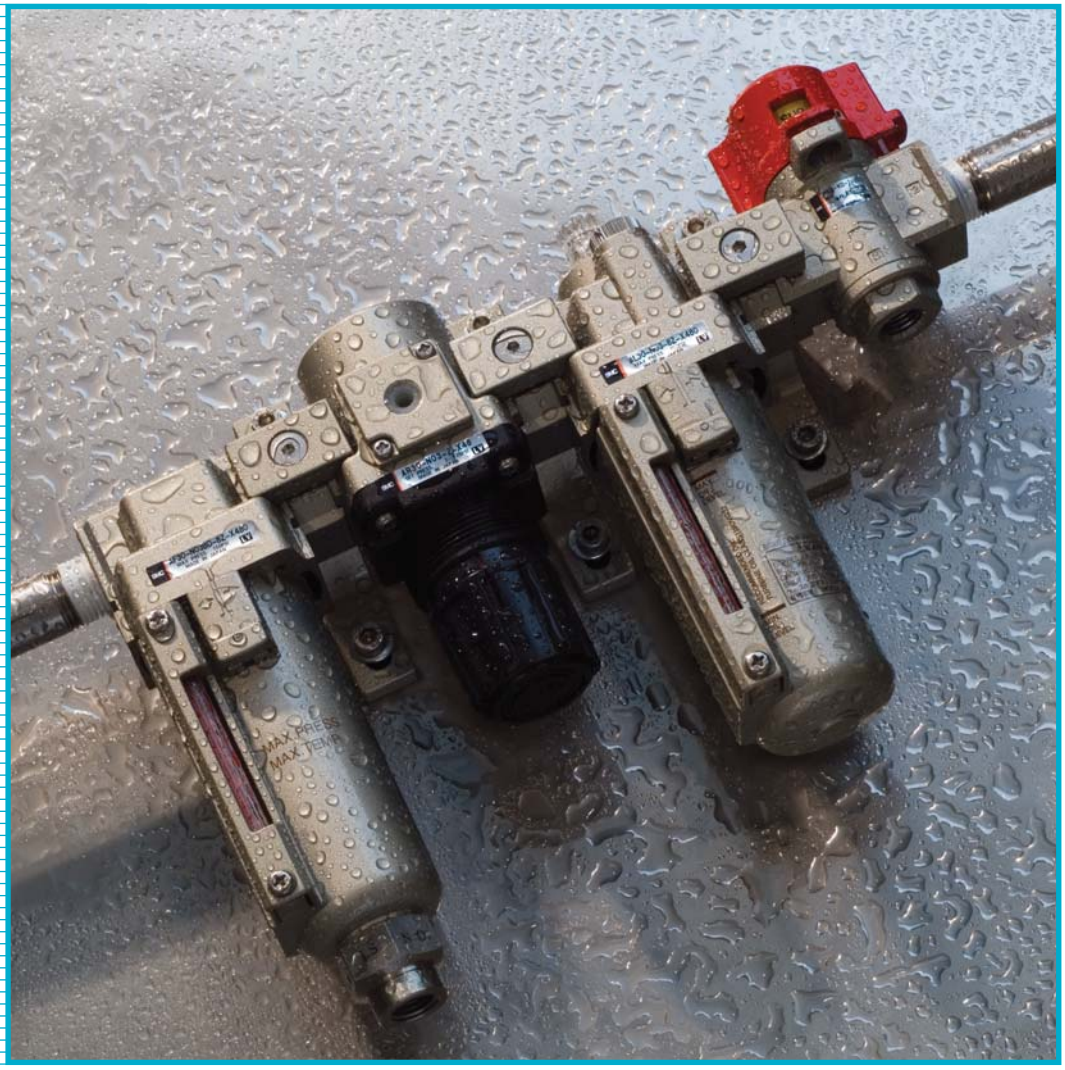
Примечание: Размер A между осью блока и установочными отверстиями имеется в таблицах с размерами модулей

Компания SMC сохраняет за собой право на внесение технических и размерных изменений

NP146-A

Series AC

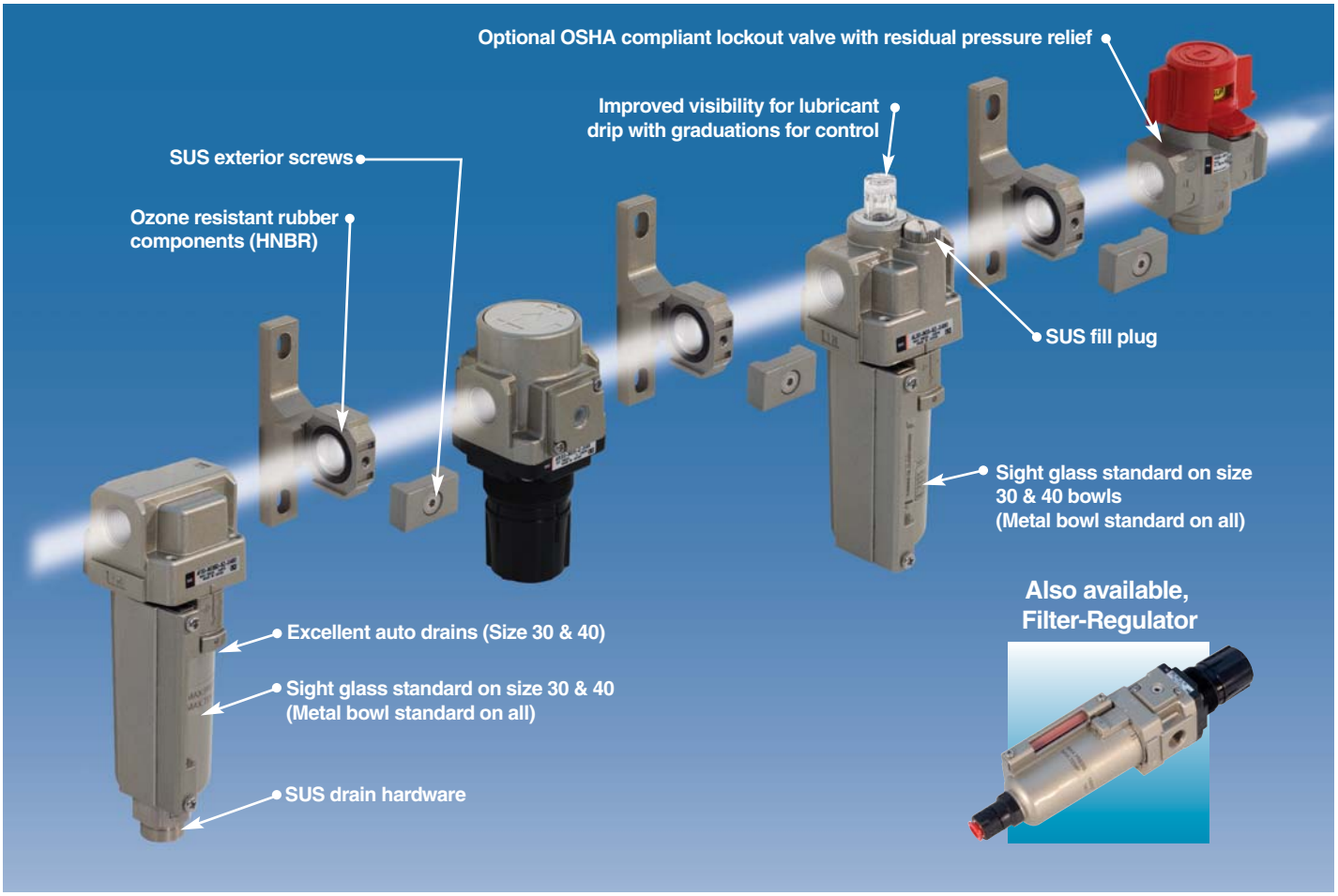
Epoxy Coated F.R.L.



Enhanced protection for corrosive manufacturing environments

Epoxy Coated F.R.L. Unit

The performance you have come to expect from SMC Air Preparation products --Now enhanced with an optional epoxy resin coating & stainless hardware for long lasting performance in challenging environments.



All stainless components are an expensive option when faced with wet or corrosive environments. By providing a durable epoxy coating* and stainless external hardware on our industry-leading air preparation components, SMC is able to offer enhanced corrosion resistance with the high performance of our standard models.

* As with any coated product, care should be taken to avoid scratching the coating as the protection can be compromised through such damage.

F.R.L. Unit — How To Order — *Series* AC 21 to 41

AC 31 B – N 03 D – V – 8 Y Z -X2217

- **AC** — Air Combination Unit
- **31** — Body Size

Symbol	Size
21	1/8
31	3/8
41	1/2

- **B** — Model Combination

Symbol	Model/Assembly Order
Nil	AF + AR + AL
A	AW + AL
B	AF + AR

- **N** — NPT Threads
- **03** — Port Size

Symbol	Port Size	Applicable Body Size
02	1/4	21
03	3/8	31
04	1/2	41

- **D** — Accessories

Symbol	Description	Applicable Body Size
Nil	None	All
C	Float Auto Drain (N.C.)	31, 41
D	Float Auto Drain (N.O.)	31, 41

- **V** — Residual Pressure Relief Valve

Symbol	Description	Applicable Body Size
Nil	Without Valve	All
V	With Downstream Valve	All

- **8** — Bowl

Symbol	Description	Applicable Body Size
2	Metal Bowl	21
8	Metal Bowl with Sight Glass	31, 41

- **Y** — Regulator Handle Orientation

Symbol	Description
Nil	Downward Handle
Y	Upward Handle

- **Z** — Name Plate, Caution Plate On Bowl in psi, °F
- **-X2217** — With External Epoxy Coating, Stainless Fasteners

Filter

How To Order

Series AF 20 to 40

AF 30 – N 03 D – 8 Z - X480

- **AF** — Filter
- **30** — Body Size

Symbol	Size
20	1/8
30	3/8
40	1/2

- **N** — NPT Threads
- **03** — Port Size

Symbol	Port Size	Applicable Body Size
02	1/4	20
03	3/8	30
04	1/2	40

- **D** — Accessories

Symbol	Description	Applicable Body Size
Nil	None	All
B*	Mounting Bracket	All
C	Float Auto Drain (N.C.)	31, 41
D	Float Auto Drain (N.O.)	31, 41

*Note: Bracket is not assembled and is supplied loose at time of shipment.

- **8** — Bowl

Symbol	Description	Applicable Body Size
2	Metal Bowl	21
8	Metal Bowl with Sight Glass	31, 41

- **Z** — Name Plate, Caution Plate On Bowl in psi, °F
- **X480** — With External Epoxy Coating, Stainless Fasteners

Regulator

How To Order

Series AR 20 to 40

AR 20 – N 02 B – Y Z - X48

- **AR** — Regulator
- **20** — Body Size

Symbol	Size
20	1/8
30	3/8
40	1/2

- **N** — NPT Threads
- **02** — Port Size

Symbol	Port Size	Applicable Body Size
02	1/4	20
03	3/8	30
04	1/2	40

- **B** — Accessories

Symbol	Description
Nil	None
B*	Mounting Bracket
H*	Panel Mount Nut

*Note: Bracket and/or panel mount nut are not assembled and are supplied loose at time of shipment.

- **Y** — Handle Orientation

Symbol	Description
Nil	Handle Down
Y	Handle Up

- **Z** — Name Plate in imperial Units (psi, °F)
- **X48** — With External Epoxy Coating Stainless Fasteners

Residual Pressure Relief Valve

How To Order

Series VHS 20 to 40

VHS 30 – N 03 – Z - X513

- **VHS** — Residual Pressure Relief Valve
- **30** — Body Size

Symbol	Applicable Model
20	AC21
30	AC31
40	AC41

- **N** — Thread Type

N	NPT

- **03** — Port Size

Symbol	Port Size	Body Size		
		20	30	40
02	1/4	●		
03	3/8		●	
04	1/2			●

- **Z** — Name Plate in imperial Units (psi, °F)
- **X513** — With External Epoxy Coating Stainless Fasteners

Note: Other sizes, thread forms, options, etc. may be possible, please contact SMC for availability.

Lubricator — How To Order — *Series* AL20 to 40

AL 20 — N 02 B — 2 Z - X480

- **AL** — Lubricator
- **20** — Body Size

Symbol	Size
20	1/8
30	3/8
40	1/2

- **N** — NPT Threads
- **02** — Port Size

Symbol	Port Size	Applicable Body Size
02	1/4	20
03	3/8	30
04	1/2	40

- **B** — Accessories

Symbol	Description	Applicable Body Size
Nil	None	All
B*	Mounting Bracket	All

*Note: Bracket is not assembled and is supplied loose at time of shipment.

- **2** — Bowl

Symbol	Description	Applicable Body Size
2	Metal Bowl	20
8	Metal Bowl with Sight Glass	30, 40

- **Z** — Name Plate, Caution Plate On Bowl in psi, °F
- **- X480** — With External Epoxy Coating, Stainless Fasteners

Filter – Regulator — How To Order — *Series* AW20 to 40

AW 30 — N 03 D 8 Z - X48

- **AW** — Filter - Regulator
- **30** — Body Size

Symbol	Size
20	1/8
30	3/8
40	1/2

- **N** — NPT Threads
- **03** — Port Size

Symbol	Port Size	Applicable Body Size
02	1/4	20
03	3/8	30
04	1/2	40

- **D** — Accessories

Symbol	Description	Applicable Body Size
Nil	None	All
B*	Mounting Bracket	All
C	Float Auto Drain (N.C.)	30, 40
D	Float Auto Drain (N.O.)	30, 40
H*	Panel Mount Nut	All

*Note: Bracket and/or panel mount nut are not assembled and are supplied loose at time of shipment.

- **8** — Bowl

Symbol	Description	Applicable Body Size
2	Metal Bowl	20
8	Metal Bowl with Sight Glass	30, 40

- **Z** — Name Plate in imperial Units (psi, °F)
- **- X48** — With External Epoxy Coating Stainless Fasteners

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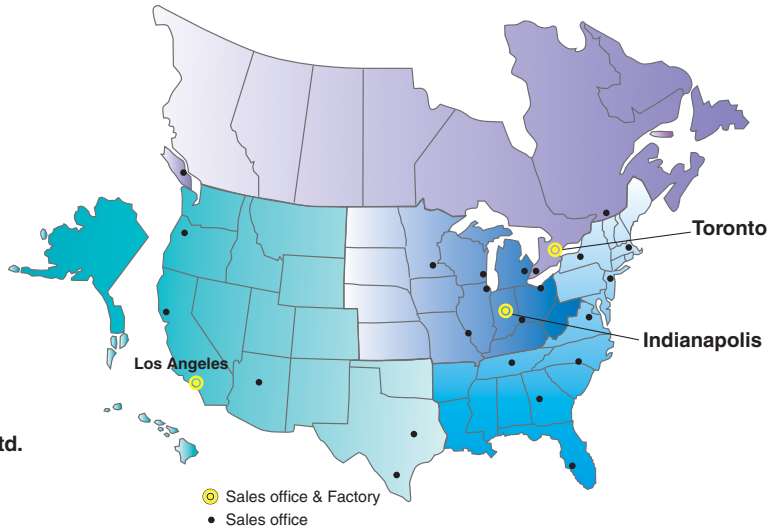

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