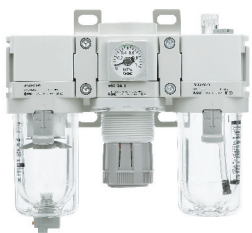




Expertise – Passion – Automation



Uniformity in your air treatment

Modular F.R.L. units

AC-D Series

[Quick overview](#)

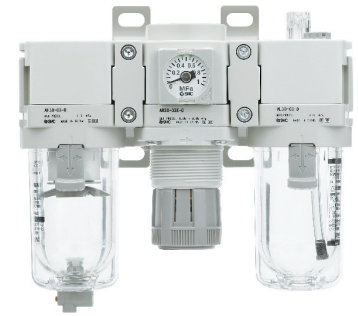
Modular F.R.L. units

AC-D Series



- ▶ **Match the air standardisation requirements** – Air purity classes certified against ISO 8573-1:2010
- ▶ **Prevent accumulation of dust and foreign matter** – Clean design with uniform appearance
- ▶ **Guarantee durability and easy maintenance** – Double-layer, transparent polycarbonate bowl
- ▶ **Adjust the pressure easily** – Ergonomic handle and transparent open/close window for built-in square type pressure gauge.

RoHS



Main features

- ▶ **New uniform body design**
Prevents accumulation of foreign matter
- ▶ **Compliant with ISO 8573-1:2010**

Selection of pressure gauges



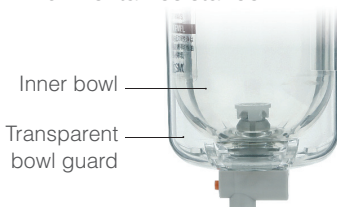
No tools required

Easier replacement of the element.



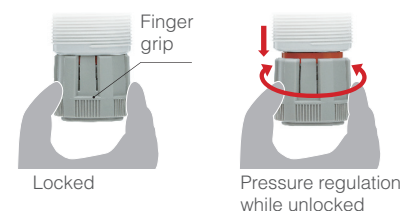
Transparent bowl guard

- Better visibility: 360°
- Reduced maintenance labours
- Environmental resistance.



Ergonomic handle

Easy to hold when unlocked



Selected part numbers

Combination units

Part number	Filter type	Port size	Flow rate ¹⁾ [l/min]	Gauge	Drain type	Filtration degree [µm]
AC20-F02□-D	Air filter + Regulator + Lubricator	G1/4	800	-, G, E	Manual drain	5
AC30-F03□-D		G3/8	3200			
AC40-F04□-D		G1/2	5800			
AC50-F06□-D		G3/4	6500			
AC60-F10□-D		G1	7000			
AC20A-F02□-D	Filter regulator + Lubricator	G1/4	800			
AC30A-F03□-D		G3/8	3200			
AC40A-F04□-D		G1/2	5800			
AC50A-F06□-D		G3/4	6500			
AC60A-F10□-D		G1	7000			

Filters

Part number	Filter type	Port size	Flow rate ²⁾ [l/min]	Filtration degree [µm]	Drain type	Oil mist removal rate [%]
AF20-F02C-D	Air filter	G1/4	1500	5	Automatic N.C.	—
AF30-F03D-D		G3/8	3150		Automatic N.O.	
AF40-F04D-D		G1/2	4800		Automatic N.O.	
AF50-F06D-D		G3/4	11000		Automatic N.O.	
AF60-F10D-D		G1	12500		Automatic N.O.	
AFM20-F02C-D	Mist separator	G1/4	150	0.3	Automatic N.C.	99.99
AFM30-F03D-D		G3/8	390		Automatic N.O.	
AFM40-F04D-D		G1/2	900		Automatic N.O.	
AFD20-F02C-D	Micro mist separator	G1/4	90	0.01	Automatic N.C.	99.99
AFD30-F03D-D		G3/8	190		Automatic N.O.	
AFD40-F04D-D		G1/2	480		Automatic N.O.	

Regulator

Part number	Port size	Flow rate ¹⁾ [l/min]	Gauge	Set pressure range
AR20-F02□-D	G1/4	1500	-, G, E	0.05 ~ 0.85
AR30-F03□-D	G3/8	4000		
AR40-F04□-D	G1/2	7000		
AR50-F06□-D	G3/4	17600		
AR60-F10□-D	G1	20000		

Lubricator

Part number	Port size	Bowl capacity [cm ³]	Recommended lubricant
AL20-F02-D	G1/4	25	Class 1 Turbine oil ISO VG32
AL30-F03-D	G3/8	55	
AL40-F04-D	G1/2	135	
AL50-F05-D	G3/4		
AL60-F10-D	G1		

Filter regulator

Part number	Port size	Flow rate ¹⁾ [l/min]	Gauge	Drain type	Filtration degree [µm]
AW20-F02□-D	G1/4	1400	-, G, E	Manual drain	5
AW30-F03□-D	G3/8	3000			
AW40-F04□-D	G1/2	6200			
AW60-F10D□-D		17500			

- 1) Flow information at 0.7 MPa inlet pressure, 0.6 set pressure and 0.1 MPa pressure drop.
2) Flow information at 0.7 MPa inlet pressure, and 0.1 MPa pressure drop for AF and 0.01 MPa for AFM/AFD.
□: Add suffix G for round gauge added or suffix E for square gauge added.

Applications

Clean the compressed air on the line

Related products



Filter, mist separator and micro mist separator compliant with ISO 8573
AFF/AM/AMD Series



Pressure relief 3 port valve
VHS-D Series



Soft start-up valve
AV-A Series



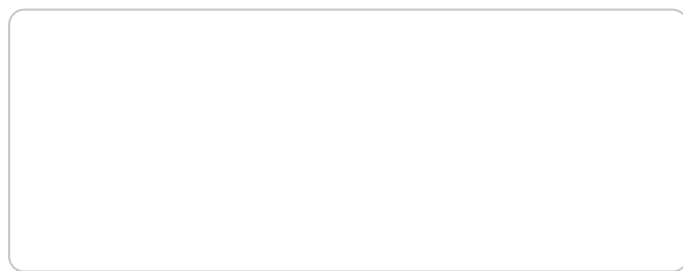
Pressure gauge for general purpose (O.D. 43)
G43 Series



Expertise – Passion – Automation

SMC Corporation

Akihabara UDX 15F, 4-14-1
Sotokanda, Chiyoda-ku, Tokyo 101-0021, JAPAN
Phone: 03-5207-8249
Fax: 03-5298-5362



Austria	+43 (0)2262622800	www.smc.at	office@smc.at
Belgium	+32 (0)33551464	www.smc.be	info@smc.be
Bulgaria	+359 (0)2807670	www.smc.bg	office@smc.bg
Croatia	+385 (0)13707288	www.smc.hr	office@smc.hr
Czech Republic	+420 541424611	www.smc.cz	office@smc.cz
Denmark	+45 70252900	www.smc.dk.com	smc@smc.dk.com
Estonia	+372 6510370	www.smc.pneumatics.ee	smc@info@smc.ee.ee
Finland	+358 207513513	www.smc.fi	smc@info@smc.fi
France	+33 (0)164761000	www.smc-france.fr	info@smc-france.fr
Germany	+49 (0)61034020	www.smc.de	info@smc.de
Greece	+30 210 2717265	www.smc.hellas.gr	sales@smc.hellas.gr
Hungary	+36 23513000	www.smc.hu	office@smc.hu
Ireland	+353 (0)14039000	www.smc.automation.ie	sales@smc.automation.ie
Italy	+39 03990691	www.smc.italia.it	mailbox@smc.italia.it
Latvia	+371 67817700	www.smc.lv	info@smc.lv

Lithuania	+370 5 2308118	www.smc.lt	info@smc.lt
Netherlands	+31 (0)205318888	www.smc.nl	info@smc.nl
Norway	+47 67129020	www.smc-norge.no	post@smc-norge.no
Poland	+48 222119600	www.smc.pl	office@smc.pl
Portugal	+351 214724500	www.smc.eu	apoioclientept@smc.smces.es
Romania	+40 213205111	www.smcromania.ro	smcromania@smcromania.ro
Russia	+7 (812)3036600	www.smc.eu	sales@smcru.com
Slovakia	+421 (0)413213212	www.smc.sk	office@smc.sk
Slovenia	+386 (0)73885412	www.smc.si	office@smc.si
Spain	+34 945184100	www.smc.eu	post@smc.smces.es
Sweden	+46 (0)86031240	www.smc.nu	smc@smc.nu
Switzerland	+41 (0)523963131	www.smc.ch	info@smc.ch
Turkey	+90 212 489 0 440	www.smc.pneumatik.com.tr	info@smc.pneumatik.com.tr
UK	+44 (0)845 121 5122	www.smc.uk	sales@smc.uk

South Africa +27 10 900 1233 www.smcza.co.za zasales@smcza.co.za