

AMG-series

AMG-series - water separators

Type	Brand	Compressor kW	NI/min	Port size Rc	Weight kg	Mounting brackets	Filter elements
AMG150C-F02C	SMC	2,2	300	1/4"	0,38	BM51	AMG-EL150
AMG250C-F03D	SMC	5,5	750	3/8"	0,55	BM52	AMG-EL250
AMG250C-F04D	SMC	5,5	750	1/2"	0,55	BM52	AMG-EL250
AMG350C-F04D	SMC	11	1.500	1/2"	0,9	BM53	AMG-EL350
AMG350C-F06D	SMC	11	1.500	3/4"	0,9	BM53	AMG-EL350
AMG450C-F06D	SMC	15	2.200	3/4"	1,4	BM54	AMG-EL450
AMG450C-F10D	SMC	15	2.200	1"	1,4	BM54	AMG-EL450
AMG550C-F10D	SMC	22	3.500	1"	2,1	BM55	AMG-EL550
AMG650-F14D	SMC	37	6.000	1 1/2"	4,2	BM56	AMG-EL650
AMG850-F20D	SMC	75	12.000	2"	10,5	BM57	AMG-EL850

Working pressure: 1.5 - 10 bar / Temperature working area: -5 tot 60°C.
Accessories like mounting brackets and filter elements available on request.



AMG

With the SMC water separators you can remove neatly and cheaply 99% of water droplets. The water separators are compact and light weight. Available port sizes from 1/8" up to 2", therefore suitable for compressors (1-75 kW). Standard equipped with automatic drain for long term jobs. Long life due to the special resin with large mesh to reduce clogging.

You can use a water separator when:
1. air does not have to be dry for 100%
2. air dryer cannot be used
3. air dryer is expensive for needs

Note Mount filter as far as possible from the compressor for optimal functioning.

AC-series - filter-regulator-lubricator (modular)

AC-series - combination of AF (filter), AR (regulator), AL (lubricator) and pressure gauge

Type	Brand	Port size	NI/min	Filter micron	Working pres. (bar)	Bowl	Bowl with bajonet connection
AC20-F02E	SMC	1/4"	500	5	0,05 - 0,85	Polycarbonate	o
AC30-F03E	SMC	3/8"	2.000	5	0,05 - 0,85	Polycarbonate	s
AC40-F03E	SMC	3/8"	4.000	5	0,05 - 0,85	Polycarbonate	s
AC40-F04E	SMC	1/2"	4.000	5	0,05 - 0,85	Polycarbonate	s
AC40-F06E	SMC	3/4"	4.500	5	0,05 - 0,85	Polycarbonate	s
AC50-F06E	SMC	3/4"	5.000	5	0,05 - 0,85	Polycarbonate	s
AC50-F10E	SMC	1"	5.000	5	0,05 - 0,85	Polycarbonate	s
AC60-F10E	SMC	1"	7.000	5	0,05 - 0,85	Polycarbonate	s

o = Option, s = Standard / Max. Testdruck: 1,5 MPa / Max. Eingangsdruck: 1,0 MPa / Temperaturbereich: -5 - 60° C.



AC

AC-Reihe - Kombination von AF (Filter/Regler Kombination), AL (Öler) und Manometer

Type	Brand	Port size	NI/min	Filter micron	Working pres. (bar)	Bowl	Bowl with bajonet connection
AC20A-F02E	SMC	1/4"	500	5	0,05 - 0,85	Polycarbonate	o
AC30A-F03ET	SMC	3/8"	1.700	5	0,05 - 0,85	Polycarbonate	s
AC40A-F04ET	SMC	1/2"	3.000	5	0,05 - 0,85	Polycarbonate	s
AC50A-F04ET	SMC	1/2"	3.000	5	0,05 - 0,85	Polycarbonate	s

o = Option, s = Standard / Max. Testdruck: 1,5 MPa / Max. Eingangsdruck: 1,0 MPa / Temperaturbereich: -5 tot 60° C.



AC30A

On request

- Other combinations
- Automatic drain, normally opened (add CE for E in order number). For good functioning the drain line should have min. 8 mm diam. and should not be longer than 5 m
- Filtration 2, 10, 20, 40, 70, 100 µ
- Metal- or nylon bowls.

Polycarbonate bowls may be damaged and could possibly fail if they are exposed to synthetic oils, thinner solvents, trichloorethylene, kerosene and other aromatics hydrocarbons. If used in above atmosphere, please use a metal bowl (p. 77).

AF-series (modular)

AF-series - Filters

Type	Brand	Port size	NI/min	Filter micron	Bowl	Bowl with bajonet connection	Mounting brackets
AF20-F02	SMC	1/4"	750	5	Polycarbonate	o	AF20P-050AS
AF30-F02	SMC	1/4"	1.450	5	Polycarbonate	s	AF30P-050AS
AF30-F03	SMC	3/8"	3.900	5	Polycarbonate	s	AF30P-050AS
AF40-F03	SMC	3/8"	3.900	5	Polycarbonate	s	AF40P-050AS
AF40-F04	SMC	1/2"	3.900	5	Polycarbonate	s	AF40P-050AS
AF40-F06	SMC	3/4"	3.900	5	Polycarbonate	s	AF40P-070AS
AF50-F06	SMC	3/4"	6.500	5	Polycarbonate	s	AF50P-050AS
AF50-F10	SMC	1"	6.500	5	Polycarbonate	s	AF50P-050AS
AF60-F10	SMC	1"	9.800	5	Polycarbonate	s	AF50P-050AS
AF800-12	SMC	1 1/4"	12.000	5	Polycarbonate	s	-
AF800-14	SMC	1 1/2"	12.000	5	Polycarbonate	s	-
AF900-20	SMC	2"	20.000	5	Polycarbonate	s	-

o = optional, s = standard

Max. supply pressure: 15 bar / Max. working pressure: 10 bar / Temperature working area: -5 to 60° C

On request

- Other combinations
- Automatic drain, normally opened (add C to order number). For good functioning the drain line should have min. 8 mm diam. and can not be longer than 5 m
- Filtration 2, 10, 20, 40, 70, 100 µ
- Metal- or nylon bowls.

Polycarbonate bowls may be damaged and could possibly fail if they are exposed to synthetic oils, thinner solvents, trichloorethylene, kerosene and other aromatics hydrocarbons. If used in above atmosphere, please use a metal bowl (p. 77).



AF

AFM- and AFD-series (modular)

AFM-series - microfilters

Type	Brand	Port size	NI/min	Filter micron	Bowl	Bowl with bajonet connection	Mounting brackets
AFM20-F02	SMC	1/4"	200	0,3	Polycarbonate	o	AF20P-050AS
AFM30-F02	SMC	1/4"	450	0,3	Polycarbonate	s	AF30P-050AS
AFM30-F03	SMC	3/8"	450	0,3	Polycarbonate	s	AF30P-050AS
AFM40-F03	SMC	3/8"	1.100	0,3	Polycarbonate	s	AF40P-050AS
AFM40-F04	SMC	1/2"	1.100	0,3	Polycarbonate	s	AF40P-050AS
AFM40-F06	SMC	3/4"	1.100	0,3	Polycarbonate	s	AF40P-070AS

Max. supply pressure: 15 bar / Max. working pressure: 10 bar / Temperature working area: -5 to 60° C.



AFM / AFD

AFD-series - submicrofilters

Type	Brand	Port size	NI/min	Filter micron	Bowl	Bowl with bajonet connection	Mounting brackets
AFD20-F02	SMC	1/4"	120	0,01	Polycarbonate	o	AF20P-050AS
AFD30-F02	SMC	1/4"	240	0,01	Polycarbonate	s	AF30P-050AS
AFD30-F03	SMC	3/8"	240	0,01	Polycarbonate	s	AF30P-050AS
AFD40-F03	SMC	3/8"	600	0,01	Polycarbonate	s	AF40P-050AS
AFD40-F04	SMC	1/2"	600	0,01	Polycarbonate	s	AF40P-050AS
AFD40-F06	SMC	3/4"	600	0,01	Polycarbonate	s	AF40P-070AS

Max. supply pressure: 15 bar / Max. working pressure: 10 bar / Temperature working area: -5 to 60° C

On request

- Automatic drain, normally opened (add C to order number). For good functioning the drain line should have min. 8 mm diam. and should not be longer than 5 m
- Metal- or nylon bowls.

The microfilters do have an exceptional large air flow and a high rate of filtration. They remove more than 99,9% oil. The filter should be replaced if the decrease of air pressure is 1 bar or more.

Filter/Regulators

AW-series (modular)

AW-series - filter/regulators

Type	Brand	Port size	Nl/min	Port size press. gauge	Working press. (Bar)	Filter micron	Bowl	Mounting nut	Bowl with bajonet connection	Mounting brackets
AW20-F02E	SMC	1/4"	500	Integrated	0,05 - 0,85	5	Polycarbonate	AR20P-260S	o	AW20P-270AS ¹⁾
AW30-F03E	SMC	3/8"	1.550	Integrated	0,05 - 0,85	5	Polycarbonate	AR30P-260S	s	AR30P-270AS ¹⁾
AW40-F04E	SMC	1/2"	2.800	Integrated	0,05 - 0,85	5	Polycarbonate	AR40P-260S	s	AR40P-270AS ¹⁾
AW40-F06E	SMC	3/4"	4.000	Integrated	0,05 - 0,85	5	Polycarbonate	AR40P-260S	s	AR40P-270AS ¹⁾
AW60-F10E	SMC	1"	9.000	Integrated	0,05 - 0,85	5	Polycarbonate	-	s	AW60P-270 AS ²⁾

¹⁾ Supplied with mounting nuts / ²⁾ Supplied with mounting screws / ³⁾ o = optional, s = standard
 Max. supply pressure: 15 bar / Max. working pressure: 10 bar / Temperature working area: -5 tot 60°C.

On request

- Automatic drain, normally opened (add CE for E in order number).
 For good functioning the drain line should have min. 8 mm diam. and should not be longer than 5 m.
- Filtration 2, 10, 20, 40, 70, 100 µ.
- Metal- or nylon bowls.



AW30

AW20

AR-series (modular)

AR-series - regulators

Type	Brand	Port size	Nl/min	Port size pressure gauge	Working pressure (bar)	Mounting nut	Mounting brackets
AR20-F02E	SMC	1/4"	500	Integrated	0,05 - 0,85	AR20P-260S	AR20P-270AS*
AR30-F03E	SMC	3/8"	2.800	Integrated	0,05 - 0,85	AR30P-260S	AR30P-270AS*
AR40-F03E	SMC	3/8"	4.300	Integrated	0,05 - 0,85	AR40P-260S	AR40P-270AS*
AR40-F04E	SMC	1/2"	4.300	Integrated	0,05 - 0,85	AR40P-260S	AR40P-270AS*
AR40-F06E	SMC	3/4"	4.300	Integrated	0,05 - 0,85	AR40P-260S	AR40P-270AS*
AR50-F06E	SMC	3/4"	7.000	Integrated	0,05 - 0,85	-	AR50P-270AS**
AR50-F10E	SMC	1"	7.000	Integrated	0,05 - 0,85	-	AR50P-270AS**
AR60-F10E	SMC	1"	9.000	Integrated	0,05 - 0,85	-	AR50P-270AS**
AR825-12	SMC	1 1/4"	14.000	R1/4	0,05 - 0,85	-	-
AR825-14	SMC	1 1/2"	14.000	R1/4	0,05 - 0,85	-	-
AR925-20	SMC	2"	18.000	R1/4	0,05 - 0,85	-	-

* Supplied with mounting nuts / ** Supplied with mounting screws
 Max. supply pressure: 15 bar / Max. working pressure: 10 bar / Temperature working area: -5 tot 60°C.

AR-series - high pressure regulators

Type	Brand	Port size	Nl/min	Port size pressure gauge	Working pressure (bar)	Mounting nut	Mounting brackets
AR40-F03-X425	SMC	3/8"	4.500	R1/4	0,05 - 1,50	AR40P-260S	AR40P-270AS*
AR40-F04-X425	SMC	1/2"	5.000	R1/4	0,05 - 1,50	AR40P-260S	AR40P-270AS*
AR60-F10-X425	SMC	1"	8.000	R1/4	0,05 - 1,50	-	AR50P-270AS**

* Supplied with mounting nuts / ** Supplied with mounting screws
 Max. supply pressure: 15 bar / Max. working pressure: 10 bar / Temperature working area: -5 tot 60°C.



AR

Lubricators

AL-series (modular)

AL-series - lubricators

Type	Brand	Port size	Nl/min	Lubricating from Nl/min	Sight dome	Bowl	Bowl with bajonet connection	Mounting brackets
AL20-F02	SMC	1/4"	1.550	15	AL20P-080AS	Polycarbonate	o	AF20P-050AS
AL30-F03	SMC	3/8"	3.100	30	AL20P-080AS	Polycarbonate	s	AF30P-050AS
AL40-F03	SMC	3/8"	7.800	40	AL20P-080AS	Polycarbonate	s	AF40P-050AS
AL40-F04	SMC	1/2"	7.800	40	AL20P-080AS	Polycarbonate	s	AF40P-050AS
AL40-F06	SMC	3/4"	7.800	40	AL20P-080AS	Polycarbonate	s	AF40P-070AS
AL50-F06	SMC	3/4"	10.000	190	AL20P-080AS	Polycarbonate	s	AF50P-050AS
AL50-F10	SMC	1"	10.000	190	AL20P-080AS	Polycarbonate	s	AF50P-050AS
AL60-F10	SMC	1"	14.000	220	AL20P-080AS	Polycarbonate	s	AF50P-050AS
AL800-12	SMC	1 1/4"	18.000	460	12316	Polycarbonate	s	-
AL800-14	SMC	1 1/2"	20.000	650	12316	Polycarbonate	s	-
AL900-20	SMC	2"	25.000	1.800	12316	Polycarbonate	s	-

o = optional, s = standard
 Max. supply pressure: 15 bar / Max. working pressure: 10 bar / Temperature working area: -5 tot 60°C / Recommended oil norm: ISO VG32



AL

Accessories spacers / brackets



Y100 spacer



Y100 spacer with bracket



Y110-M5 T-interface



E100-M5 piping adapter

For series	Band	Port size	Piping adaptors	Spacer	Spacer with bracket	T-interface	Piping adapter
10	SMC	M5	E100-M5	Y100	Y100T	Y110-M5	E100-M5
20	SMC	1/4"	E200-F02	Y200	Y200T	Y210-02	E200-F02
30	SMC	3/8"	E300-F03	Y300	Y300T	Y310-02	E300-F03
40	SMC	1/2"	E400-F04	Y400	Y400T	Y410-03	E400-F04
40	SMC	3/4"	E400-F06	Y500	Y500T	Y-510-03	E500-F06
50	SMC	3/4"	E600-F06	Y600	Y600T	Y610-04	E500-F06
50	SMC	1"	E600-F10	Y600	Y600T	Y610-04	E500-F10
60	SMC	3/4"	E600-F06	Y600	Y600T	Y610-04	E500-F06
60	SMC	1"	E600-F10	Y600	Y600T	Y610-04	E500-F10

Piping adaptors for easy installation and maintenance

Spacers with T-type bracket for wall mounting the modular unit, equipped with T-type bracket.

Spacers for mounting the combination without wall connection.

Mounting brackets for mounting separate components.

Various



Type	Brand	For series	Port size	Operation	NI/min	Silencer	Working pressure (bar)	Diameter mm
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EAD-series - automatic condensate drains

EAD202-F02	SMC	-	1/4"	Pneumatic	-	-	-	-
EAD202-F03	SMC	-	3/8"	Pneumatic	-	-	-	-
EAD402-F04	SMC	-	1/2"	Pneumatic	-	-	-	-
EAD600-F10	SMC	-	1"	Pneumatic	-	-	-	-
ADH4000-F04	SMC	-	1/2"	Pneumatic	-	-	-	-
ADM200-045	SMC	-	1/2"	Electric (220V)	-	-	-	-

AKM-series - T-type spacers with check valve

AKM2000-F02	SMC	20	1/4"	-	750	-	-	-
AKM3000-F02	SMC	30	3/8"	-	1.700	-	-	-
AKM4000-F03	SMC	40	1/2"	-	3.150	-	-	-

VHS-series - shut-off valves

VHS20-F02	SMC	20	1/4"	-	750	AN103-01	-	-
VHS30-F03	SMC	30	3/8"	-	1.700	AN200-02	-	-
VHS40-F04	SMC	40	1/2"	-	3.150	AN300-03	-	-

AN-series - silencers

AN103-01	SMC	-	1/8"	-	-	-	-	-
AN200-02	SMC	-	1/4"	-	-	-	-	-
AN300-03	SMC	-	3/8"	-	-	-	-	-
AN400-04	SMC	-	1/2"	-	-	-	-	-
AN500-05	SMC	-	3/4"	-	-	-	-	-
AN600-10	SMC	-	1"	-	-	-	-	-
AN700-12	SMC	-	1 1/4"	-	-	-	-	-
AN800-14	SMC	-	1 1/2"	-	-	-	-	-

K-series - pressure gauges external

K16-10-26	SMC	10	1/16"	-	-	-	0 - 1,0	26
K8-10-40	SMC	20/30	1/8"	-	-	-	0 - 1,0	40
K4-10-50	SMC	40/50/60	1/4"	-	-	-	0 - 1,0	50

GC-series - pressure gauges internal

GC3-10AS	SMC	20/30/40/50/60	1/16"	-	-	-	0 - 1,0 MPa	24
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ISE35-series - integrated pressure gauges with pressure switch and cable

Type	Brand	For series	Power supply	Cable length m	Protection degree	Display	Set pressure range	Output
ISE35-N-65-LA	SMC	20/30/40/50/60	12 - 24V DC	2	IP40	LED 2-colors	-0,01 - 1,0	NPN
ISE35-N-25-LA	SMC	20/30/40/50/60	12 - 24V DC	2	IP40	LED 2-colors	-0,01 - 1,0	PNP

Bowls for the FRL-series



For series	Brand	For lubricator	For filter	Polycarbonate	Nylon	Metal	Automatic drain	O-Rings
10	SMC	C1SL	C1SF	*	*	*		C1SFP-260S
			-	*		*		
20	SMC	C2SL	C2SF	*	*	*		C2SFP-260S
			C25F-6	*		*		
			C25F-2	*		*		
			AD27	*		*		
30	SMC	C3SL	C3SF	*	*	*		C3SFP-260S
			C35F-6	*		*		
			C35F-2	*		*		
40	SMC	C4SL	C4SF	*	*	*		C4SFP-260S
			C45F-6	*		*		
			C45F-2	*		*		
			AD47	*		*		
50	SMC	C4SL	C4SF	*	*	*		C4SFP-260S
			C45F-6	*		*		
			C45F-2	*		*		
			AD47	*		*		
60	SMC	C4SL	C4SF	*	*	*		C4SFP-260S
			C45F-6	*		*		
			C45F-2	*		*		
			AD47	*		*		

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