

Main Line Filter

90-AFF Series



How to Order

90-AFF2C to 90-AFF22C

90 - AFF 22C - [] 10 [] - []

Series compatible with secondary batteries

90	Material restriction
----	----------------------

Body size

Symbol	Applicable compressor output (guide)
2C	2.2 kW
4C	3.7 kW
8C	7.5 kW
11C	11 kW
22C	22 kW

Thread type

Symbol	Type
Nil	Rc
F	G*1
N	NPT

*1 Conforms to ISO1179-1.

Option

Symbol	Description
Nil	—
H	For medium air pressure (1.6 MPa)
R	IN-OUT reversal direction

Accessory

Symbol	Description
Nil	—
B	Bracket*2

*2 Bracket is included, (but not assembled).

Port size

Symbol	Size	Applicable body size				
		2C	4C	8C	11C	22C
01	1/8	●	—	—	—	—
02	1/4	●	—	—	—	—
03	3/8	—	●	●	—	—
04	1/2	—	—	●	●	—
06	3/4	—	—	—	●	●
10	1	—	—	—	—	●

90-AFF37B/75B

90 - AFF 37B - [] 10 [] - []

Series compatible with secondary batteries

90	Material restriction
----	----------------------

Body size

Symbol	Applicable compressor output (guide)
37B	37 kW
75B	75 kW

Thread type

Symbol	Type
Nil	Rc
F	G
N	NPT

Option

Symbol	Description
Nil	—
R	IN-OUT reversal direction

Accessory

Symbol	Description
Nil	—
B	Bracket*1

*1 Bracket is included, (but not assembled).

Port size

Symbol	Size	Applicable body size	
		37B	75B
10	1	●	—
14	1 1/2	●	●
20	2	—	●

*Specifications and dimensions for the 90-series are the same as standard products.

Bracket Part No.

Applicable model	90-AFF2C	90-AFF4C	90-AFF8C	90-AFF11C	90-AFF22C	90-AFF37B	90-AFF75B
Bracket assembly (with 2 mounting screws)	90-AM-BM101	90-AM-BM102	90-AM-BM103	90-AM-BM104	90-AM-BM105	90-BM56	90-BM57

Mist Separator

90-AM Series



How to Order

90-AM150C to 90-AM550C

90 – AM 550C – [] 10 [] – []

Series compatible with secondary batteries

90	Material restriction
----	----------------------

Body size

Symbol	Applicable compressor output (guide)
150C	2.2 kW
250C	3.7 kW
350C	7.5 kW
450C	11 kW
550C	22 kW

Thread type

Symbol	Type
Nil	Rc
F	G*1
N	NPT

*1 Conforms to ISO1179-1.

Option

Symbol	Description
Nil	—
H	For medium air pressure (1.6 MPa)
R	IN-OUT reversal direction

Accessory

Symbol	Description
Nil	—
B	Bracket*2

*2 Bracket is included, (but not assembled).

Port size

Symbol	Size	Applicable body size				
		150C	250C	350C	450C	550C
01	1/8	●	—	—	—	—
02	1/4	●	●	—	—	—
03	3/8	—	●	●	—	—
04	1/2	—	—	●	●	—
06	3/4	—	—	—	●	●
10	1	—	—	—	—	●

90-AM650/850

90 – AM 650 – [] 10 [] – []

Series compatible with secondary batteries

90	Material restriction
----	----------------------

Body size

Symbol	Applicable compressor output (guide)
650	37 kW
850	75 kW

Thread type

Symbol	Type
Nil	Rc
F	G
N	NPT

Option

Symbol	Description
Nil	—
R	IN-OUT reversal direction

Accessory

Symbol	Description
Nil	—
B	Bracket*1

*1 Bracket is included, (but not assembled).

Port size

Symbol	Size	Applicable body size	
		650	850
10	1	●	—
14	1 1/2	●	●
20	2	—	●

Bracket Part No.

Applicable model	90-AM150C	90-AM250C	90-AM350C	90-AM450C	90-AM550C	90-AM650	90-AM850
Bracket assembly (with 2 mounting screws)	90-AM-BM101	90-AM-BM102	90-AM-BM103	90-AM-BM104	90-AM-BM105	90-BM56	90-BM57

*Specifications and dimensions for the 90-series are the same as standard products.

Micro Mist Separator

90-AMD Series



How to Order

90-AMD150C to 90-AMD550C

90 – AMD 550C – [] 10 [] – []

Series compatible with secondary batteries

90	Material restriction
----	----------------------

Body size

150C
250C
350C
450C
550C

Thread type

Symbol	Type
Nil	Rc
F	G*1
N	NPT

*1 Conforms to ISO1179-1.

Option

Symbol	Description
Nil	—
H	For medium air pressure (1.6 MPa)
R	IN-OUT reversal direction

Accessory

Symbol	Description
Nil	—
B	Bracket*2

*2 Bracket is included, (but not assembled).

Port size

Symbol	Size	Applicable body size				
		150C	250C	350C	450C	550C
01	1/8	●	—	—	—	—
02	1/4	●	●	—	—	—
03	3/8	—	●	●	—	—
04	1/2	—	—	●	●	—
06	3/4	—	—	—	●	●
10	1	—	—	—	—	●

90-AMD650/850

90 – AMD 650 – [] 10 [] – []

Series compatible with secondary batteries

90	Material restriction
----	----------------------

Body size

650
850

Thread type

Symbol	Type
Nil	Rc
F	G
N	NPT

Option

Symbol	Description
Nil	—
R	IN-OUT reversal direction

Accessory

Symbol	Description
Nil	—
B	Bracket*1

*1 Bracket is included, (but not assembled).

Port size

Symbol	Size	Applicable body size	
		650	850
10	1	●	—
14	1 1/2	●	●
20	2	—	●

*Specifications and dimensions for the 90-series are the same as standard products.

Bracket Part No.

Applicable model	90-AMD150C	90-AMD250C	90-AMD350C	90-AMD450C	90-AMD550C	90-AMD650	90-AMD850
Bracket assembly (with 2 mounting screws)	90-AM-BM101	90-AM-BM102	90-AM-BM103	90-AM-BM104	90-AM-BM105	90-BM56	90-BM57

Membrane Air Dryer

90-IDG Series

Single Unit/Standard Dew Point -40°C Specifications

How to Order



90 - IDG 50 L - 03 - P

Series compatible with secondary batteries

90	Material restriction
----	----------------------

Flow rate by size

Size	Outlet air flow rate ℓ/min Purge air flow rate (ANR)
50	110/40
75	240/80
100	300/100

Standard dew point temperature

Symbol	Standard dew point ($^{\circ}\text{C}$)
L	-40

Thread type

Symbol	Type
Nil	Rc
N	NPT
F	G

Option

Symbol	Contents
Nil	Flow direction (Left $\rightarrow$ Right)
R	Flow direction (Right $\rightarrow$ Left)

With fitting for purge air discharge

Symbol	Contents
P	With fitting for purge air discharge

Accessory

Symbol	Description
Nil	None (Standard)
B	With bracket

Note) When symbol B is indicated, a bracket assembly with a part number shown in the table left below is included as an accessory.

Port size

Symbol	Bore	Size		
		50	75	100
02	1/4	●	—	—
03	3/8	●	●	●
04	1/2	—	●	●

*Specifications and dimensions for the 90-series are the same as standard products.

Bracket Assembly Part No.

Applicable model	Part no.
90-IDG50L	90-BM64
90-IDG75L, 100L	90-BM65

*With cap bolts (2 pcs.) and spring washers (2 pcs.)

Directional Control Valves

Actuators

Air Grippers

Air Preparation Equipment

Air Filters/Pressure Control Equipment

Flow Control Related Products

Vacuum Equipment

Detection Switches

Auto Switches

Clean Air Filter

90-SFD Series

How to Order



90 - SFD 2 00 - C08

Series compatible with
secondary batteries

90	Material restriction
----	----------------------

Clean air filter

Size

Symbol	Max. flow rate
1	100 ℓ/min (ANR) ^{Note)}
2	500 ℓ/min (ANR)

Note) The SFD100 as standard is compatible with secondary batteries. It is not used for selection with the 90-series.

Case material

0	Resin
---	-------

Port size

Symbol	Connection size	Note
C08	ø8	Clean One-touch fittings (Series KP)
C10	ø10	
C12	ø12	
02	Rc 1/4	Female thread
N02	NPT 1/4	
F02	G 1/4	

*Specifications and dimensions for the 90-series are the same as standard products.

Exhaust Cleaner for Clean Room

90-AMP Series



How to Order

90-AMP 2 20-03 - **T**

Series compatible with secondary batteries
90 Material restriction

Body size

Symbol	Size
2	1/4 standard
3	3/8 standard
4	1/2 standard

Element construction

Symbol	Stage
2	2 stage

Port size

Symbol	Port size	Body size		
		2	3	4
02	1/4	●	—	—
03	3/8	●	●	—
04	1/2	—	●	●
06	3/4	—	—	●

With element service indicator

Optional specifications

Symbol	Description
Nil	Flow direction Left→Right
R	Flow direction Right→Down

Accessories (optional)

Symbol	Name
Nil	None
B	With bracket

Note) The brackets are shipped together, (but not assembled).

*Specifications and dimensions for the 90-series are the same as standard products.

Models

Model	90-AMP220	90-AMP320	90-AMP420
Maximum flow capacity ℓ/min (ANR)	200	500	1000
Port size (nominal size B)	1/4, 3/8	3/8, 1/2	1/2, 3/4
Mass (kg)	0.43	0.68	1.15

Bracket Part No.

Applicable model	90-AMP220	90-AMP320	90-AMP420
Bracket assembly (with 2 cap bolts with 2 spring washers)	90-BM66	90-BM67	90-BM68