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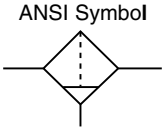
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Filter

NAF1000, 2000, 3000, 4000, 5000, 6000

- Prevents contaminents from entering a pneumatic system.
- Modular design connects with other SMC Air Preparation Equipment.

ANSI Symbol





NAF4000



NAF3000



NAF2000



NAF1000

Specifications

Model		NAF1000	NAF2000	NAF3000	NAF4000	NAF4000-06	NAF5000	NAF6000
Port size NPT		10-32 Nom. (M5)	1/8 • 1/4	1/4 • 3/8	1/4 • 3/8 • 1/2	3/4	3/4 • 1	1
Max. supply pressure psig (MPa)		220 (1.5)						
Max. operating pressure psig (MPa)		150 (1.0)						
Ambient and media temperature		23° ~140° F (-5° ~ 60° C)						
Filtration		5μm						
Bowl material		Polycarbonate						
Bowl capacity ozs. (cm^3)		.08 (2.5)	.27 (8)	.78 (23)	1.52 (45)	1.52 (45)	1.52 (45)	1.52 (45)
Weight lbs. (kgf)		0.15 (0.07)	0.42 (0.19)	0.64 (0.29)	1.21 (0.55)	1.28 (0.58)	2.38 (1.08)	2.60 (1.18)
Accessory (standard)	Bowl guard	—	●	●	●	●	●	●

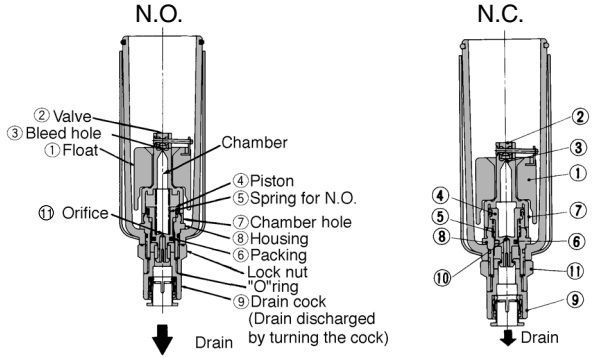
Attachments/Accessories (Optional)

Type		Part No.						
		NAF1000	NAF2000	NAF3000	NAF4000	NAF4000-06	NAF5000	NAF6000
Bracket		—	B240A	B340A	B440A	B540A	B640A	B640A
Float auto drain*	N.O.	—	—	NAD43	NAD44	NAD44	NAD44	NAD44
	N.C.	—	—	NAD53	NAD54	NAD54	NAD54	NAD54
Differential pressure auto drain*		NAD61	NAD62-C	—	—	—	—	—

* Min. operating pressure: N.O. - (15psig), N.C. - (22psig)

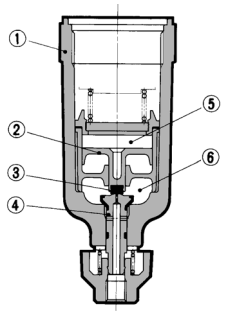
Auto Drain Types

Float Type (N.O.- NAD43•44 / N.C.- NAD53•54)



With no liquid inside the bowl, ❶ float is forced down by gravity and closes the valve ❷. Piston ❹ is held by spring ❺ ❾ in position where it is sealed by O-ring ❻. When liquid collects, float ❶ rises due to buoyancy, and opens the bleed hole ❸ allowing pressure to enter the chamber. Piston ❹ is forced down by pressure and liquid is exhausted through chamber hole ❼, drain housing ❽ and stem ❿. When the liquid is exhausted and valve closes again, pressure in the chamber escapes through piston ❹ and orifice ⓫ with the result that piston ❹ is pushed upward by spring ❺ to be sealed again by O-ring ❻.

Differential Pressure (NAD61•62)



With no pressure in bowl, piston ❷ is forced down by gravity. When the piston is pressurized to 15 psi or higher, valve seat ❸ closes. At this time the pressure of upper chamber ❺ and lower chamber ❻ will be the same. When air is consumed, pressure of the upper chamber decreases and a pressure differential is created between upper and lower chambers. Piston ❷ then raises and the valve ❹ opens, draining the accumulated liquid. During the process of draining, the pressure of the lower chamber ❻ decreases, pressurizing piston ❷ and the valve ❹ closes. When air consumption is constant, the pressure of the two chambers are equal and valve ❹ remains closed.

How to Order

NAF 30 00– N 03 B 2R

Air Filter

Body size
- **10** — M5
- **20** — 1/8
- **30** — 3/8
- **40** — 1/2
- **50** — 3/4
- **60** — 1

Port Thread
- **Nil** — Rc(PT)
- **F** — G (PF)
- **N** — NPT

Port size
- **M5** — 10-32 Nom. (M5)
- **01** — 1/8
- **02** — 1/4
- **03** — 3/8
- **04** — 1/2
- **06** — 3/4
- **10** — 1

Accessory

Code		Description	Applicable model
Nil		—	—
B		Bracket	NAF2000~NAF6000
C	Auto drain	Float (N.C.)	NAF3000~NAF6000
D	Auto drain	Float (N.O.)	
D	Auto drain	Differential pressure	NAF1000~NAF2000

Optional specifications
- **Nil** — None
- **2** — Metal bowl
- **6** — Nylon bowl
- **8** — Metal bowl with level gauge
- **C** — With bowl guard (Only NAF2000)
- **J** — Drain Guide 1/4 pipe thread (NAF3000-6000)
- **R** — IN-OUT reversal
- **W** — Drain Cock w/barb fitting for nylon tube (ø6mm OD/ø4mm ID - NAF3000-6000)

When specifying more than one option, please list numerically, then alphabetically. Ex. 6RW.

▼ Combination
□ No Combination
● Refer to "How to order"

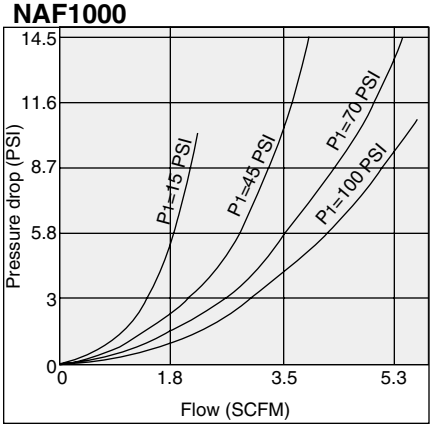
Accessories and Combination Table

Accessory	Suffix	D	D	C	2	6	8	C	J	R	W	Applicable model			
												NAF1000	NAF2000	NAF3000	NAF4000 NAF6000
Differential pressure auto drain	D				▼	▼		●		▼		▼	▼		
Float auto drain (N.O.)	D				▼	▼	●			▼				▼	▼
Float auto drain (N.C.)	C				▼	▼	●			▼				▼	▼
Metal bowl	-2	▼	▼	▼					●	▼		▼	▼	▼	▼
Nylon bowl	-6	▼	▼	▼				●	●	▼	●	▼	▼	▼	▼
Metal bowl with level gauge	-8		▼	▼					●	▼				▼	▼
With bowl guard	-C	▼				▼				▼			▼		
Drain guide (1/4)	-J				▼	▼	●			▼				▼	▼
In-Out reversal	-R	▼	▼	▼	▼	▼	●	●	●		●	▼	▼	▼	▼
Drain cock, with barb fitting	-W					▼				▼				▼	▼

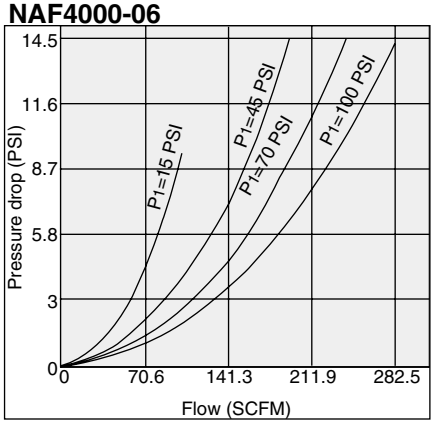
Filter
NAF1000, 2000, 3000, 4000, 5000, 6000

Flow Characteristics

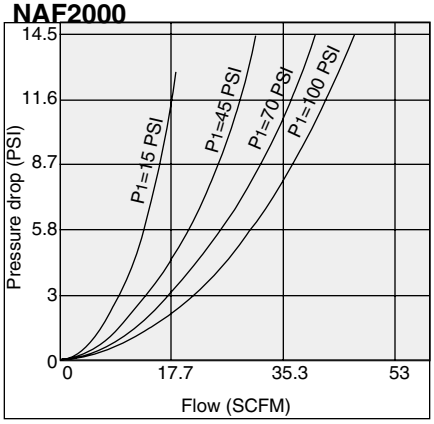
NAF1000



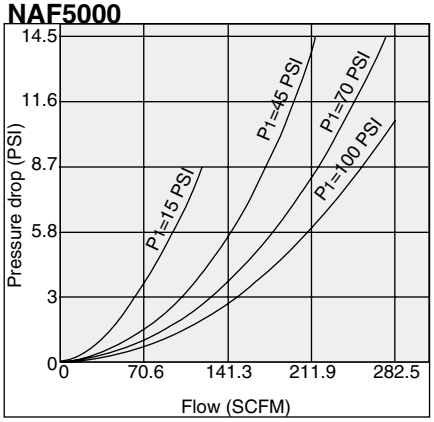
NAF4000-06



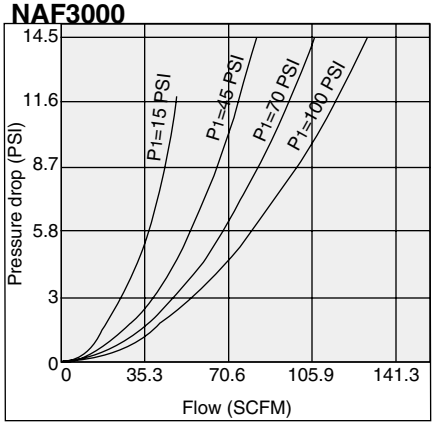
NAF2000



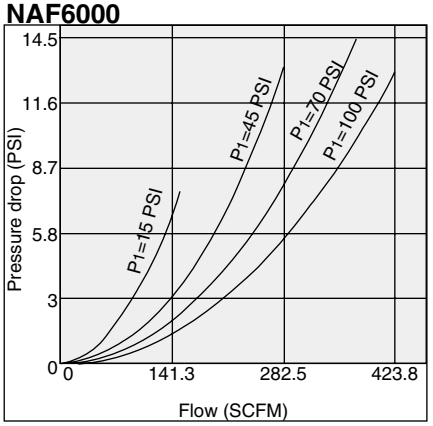
NAF5000



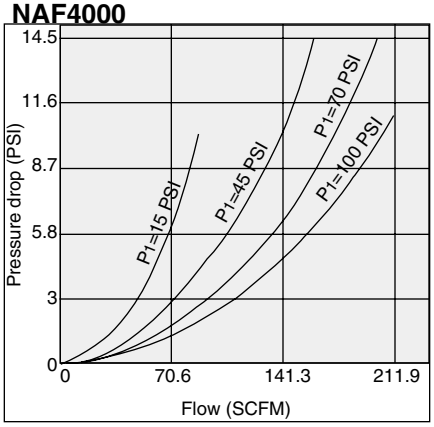
NAF3000



NAF6000



NAF4000



Precautions

Installation

❶ Flush piping before installation.

Atmosphere

❶ Polycarbonate bowls may be damaged and possibly fail if exposed to synthetic oils, thinner solvents, trichlorethylene, kerosene or other aromatic hydrocarbons. When used in above atmospheres, please use a metal bowl.

Auto Drain

❶ Float type (Normally open) drain line should be 5/16 in. (8mm) or more and should be less than 16.5 ft. (5m). Be sure not to have any upward turns in the drain line which would prevent drainage.

❷ Unsuitable for flow below 3.5scfm (100Nℓ/min).

❸ Min. operating pressure 15psi (0.1MPa).

Differential type

❶ Min. operating pressure 15psi (0.1MPa).

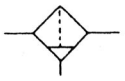
❷ Soft nylon tube of more than 3/32 in. (2.5mm) is recommended for drain piping. The overall length should be less than 16.5 ft. (5m). Be sure not to have any upward turns in the piping.

❸ Install vertically.

Maintenance

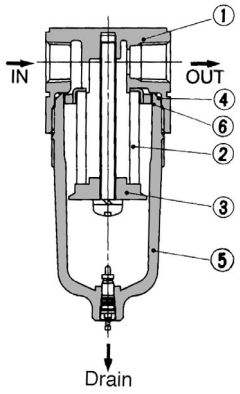
❶ Filter element to be changed after 1 year or when a pressure drop of 15psi (0.1MPa) is reached.

ANSI Symbol

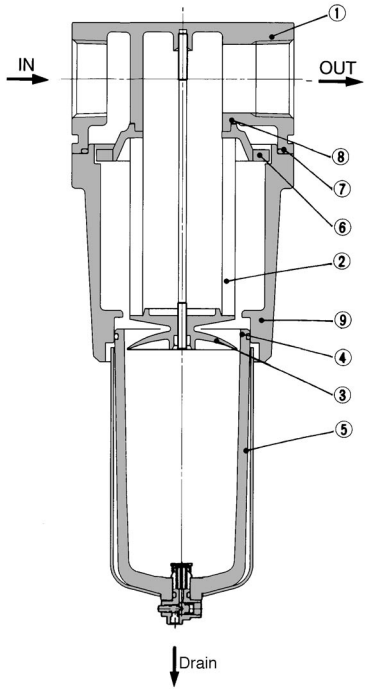


Construction/Parts List

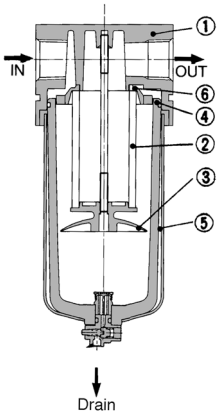
NAF1000 • 2000



NAF5000 • 6000



NAF3000 • 4000



Main Parts

	Name	Material			Note
		NAF1000• 2000	NAF3000• 4000• 4000-N06	NAF5000• 6000	
❶	Body	Zinc die casting	Aluminum die casting		Platinum silver painting
❾	Housing	—		Aluminum die casting	Platinum silver painting

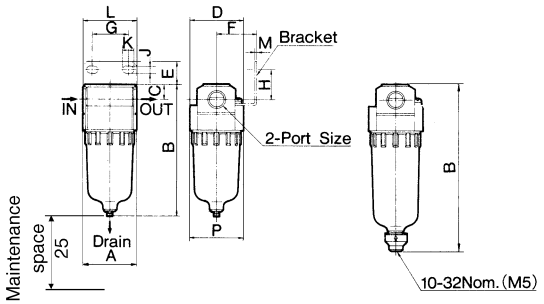
Parts List

	Name	Material	Part No.						
			NAF1000	NAF2000	NAF3000	NAF4000	NAF4000-N06	NAF5000	NAF6000
❷	Filter Element	Polyolefin	111344	1129116	111585	1116103	1116103	111724	111825
❸	Baffle	ABS	111312	—	—	—	—	111727	111824
		PBT	—	11295	111522	111622	111622	—	—
❹	O-ring	NBR	111325	11297	111512	111636	111636	111636	111636
❺	Bowl assembly	Polycarbonate	NC100F	NC200F-C	NC300F	NC400F	NC400F	NC400F	NC400F
❻	Deflector	ABS	11133A	—	—	—	—	111726	111823
		PBT	—	1129111	11158	11167	11167	—	—
❼	O-ring	NBR	—	—	—	—	—	111710	11189
❽	Packing	NBR	—	—	—	—	—	111711	111810

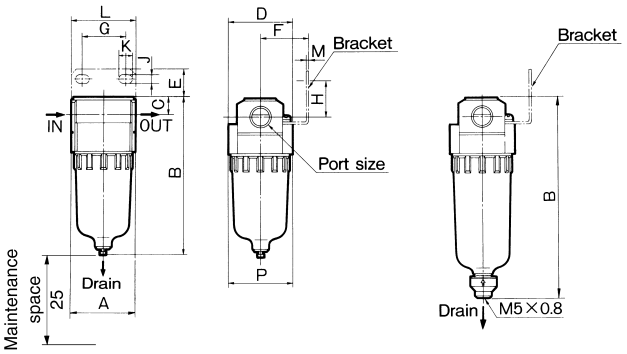
Dimensions

NAF1000, 2000, 3000, 4000, 5000, 6000

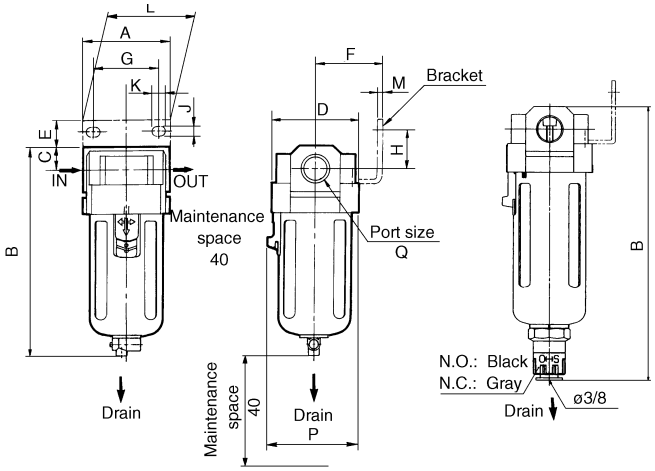
NAF1000



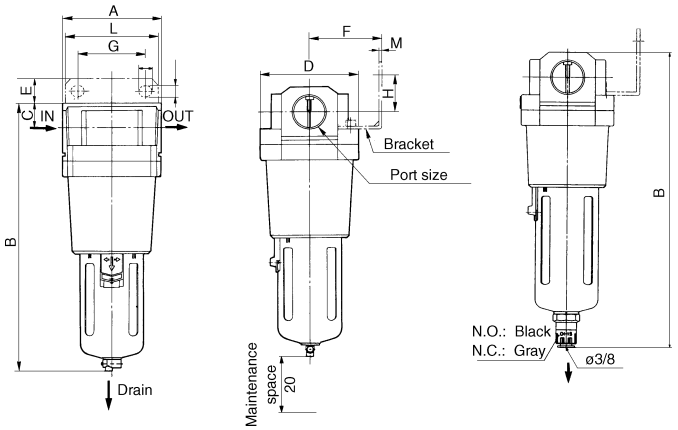
NAF2000



NAF3000•4000•4000-06



NAF5000•6000



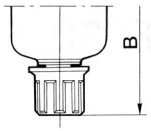
(mm)

Model	Port size	A	B	C	D	E	F	G	H	J	K	L	M	P	With auto drain	
															Float	Differential pressure
															B	B
NAF1000	10-32 Nom. (M5)	0.98 (25)	2.60 (66)	0.28 (7)	0.98 (25)	—	—	—	—	—	—	—	—	1.08 (27.5)	—	3.41 (86.5)
NAF2000	1/8 • 1/4	1.57 (40)	3.84 (97.5)	0.43 (11)	1.57 (40)	0.67 (17)	1.18 (30)	1.06 (27)	0.87 (22)	0.21 (5.4)	0.33 (8.4)	1.57 (40)	0.09 (2.3)	1.57 (40)	—	4.74 (120.5)
NAF3000	1/4 • 3/8	2.09 (53)	5.08 (129)	0.55 (14)	2.09 (53)	0.63 (16)	1.61 (41)	1.57 (40)	0.91 (23)	0.26 (6.5)	0.31 (8)	2.09 (53)	0.09 (2.3)	2.20 (56)	6.69 (170)	—
NAF4000	1/4 • 3/8 • 1/2	2.76 (70)	6.50 (165)	0.71 (18)	2.76 (70)	0.67 (17)	1.97 (50)	2.13 (54)	1.02 (26)	0.33 (8.5)	0.41 (10.5)	2.76 (70)	0.09 (2.3)	2.87 (73)	8.11 (206)	—
NAF4000-N06	3/4	2.95 (75)	6.55 (169)	0.79 (20)	2.76 (70)	0.55 (14)	1.97 (50)	2.13 (54)	0.98 (25)	0.33 (8.5)	0.41 (10.5)	2.76 (70)	0.09 (2.3)	2.87 (73)	8.27 (210)	—
NAF5000	3/4 • 1	3.54 (90)	9.61 (244)	0.94 (24)	3.54 (90)	0.91 (23)	2.76 (70)	2.60 (66)	1.38 (35)	0.43 (11)	0.51 (13)	3.54 (90)	0.13 (3.2)	—	11.24 (285.5)	—
NAF6000	1	3.74 (95)	10.16 (258)	0.94 (24)	3.74 (95)	0.91 (23)	2.76 (70)	2.60 (66)	1.38 (35)	0.43 (11)	0.51 (13)	3.54 (90)	0.13 (3.2)	—	11.79 (299.5)	—

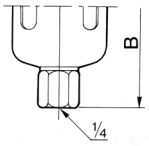
Model	Metal Bowl	w/ Drain Guide	Drain Cock w/ barb fitting	Metal bowl w/ level gauge
	B	B	B	B
NAF1000	2.60 (66)	—	—	—
NAF2000	3.84 (97.5)	—	—	—
NAF3000	5.59 (142)	5.31 (135)	5.41 (137.5)	6.38 (162)
NAF4000	7.01 (178)	6.73 (171)	6.83 (173.5)	7.80 (198)
NAF4000-N06	7.17 (182)	6.89 (175)	6.99 (177.5)	7.95 (202)
NAF5000	10.12 (257)	9.84 (250)	9.94 (252.5)	10.91 (277)
NAF6000	10.67 (271)	10.39 (264)	10.49 (266.5)	11.46 (291)

Semi-standard Type

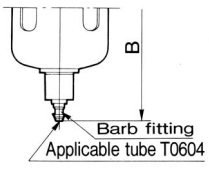
Metal bowl



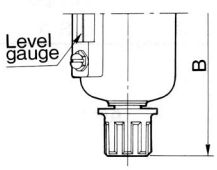
With drain guide



Drain cock/with barb fitting



Metal bowl with level gauge



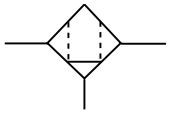


NAFM4000



NAFM3000

ANSI Symbol



Specifications

Model		NAFM2000	NAFM3000	NAFM4000	NAFM4000-N06
Port size NPT		1/8 • 1/4	1/4 • 3/8	1/4 • 3/8 • 1/2	3/4
Proof pressure psig (MPa)		220 (1.5)			
Max. operating pressure psig (MPa)		150 (1.0)			
Min. operating pressure psig (MPa)		7 (0.05)			
Flow capacity scfm*		7	16	39	39
Filtration		0.3µm			
Bowl material		Polycarbonate			
Bowl capacity oz(cm^3)		.27 (8)	.78 (23)	1.52 (45)	1.52 (45)
Weight lbs. (kgf)		0.42 (0.19)	0.64 (0.29)	1.19 (0.54)	1.28 (0.58)
Accessory (standard)	Bowl guard	●	●	●	●

* Conditions: Supply pressure: 100psig.

Accessories (Optional)

Type		Part No.			
		NAFM2000	NAFM3000	NAFM4000	NAFM4000-N06
Bracket		B240A	B340A	B440A	B540A
Float type auto drain*	N.O.	—	NAD43	NAD44	NAD44
	N.C.	—	NAD53	NAD54	NAD54
Differential type auto drain*		NAD62-C	—	—	—

* Min. operating pressure: N .O. - 15 psig, N.C. - 22 psig.

Precautions

Installation

❶ Flush piping before installation.

Atmosphere

❶ Polycarbonate bowls may be damaged and possibly fail if exposed to synthetic oils, thinner solvents, trichlorethylene, kerosene or other aromatic hydrocarbons. When used in above atmosphere, please use a metal bowl.

Auto Drain

❶ Float type (Normally open) drain line should be 5/16 in. (8mm) or more and should be less than 16.5 ft. (5m). Be sure not to have any upward turns in the drain line which would prevent drainage.

❷ Unsuitable for flow below 3.5scfm (100Nℓ/min).

❸ Min. operating pressure 15psi (0.1MPa).

Differential type

❶ Min. operating pressure 15psi (0.1MPa).

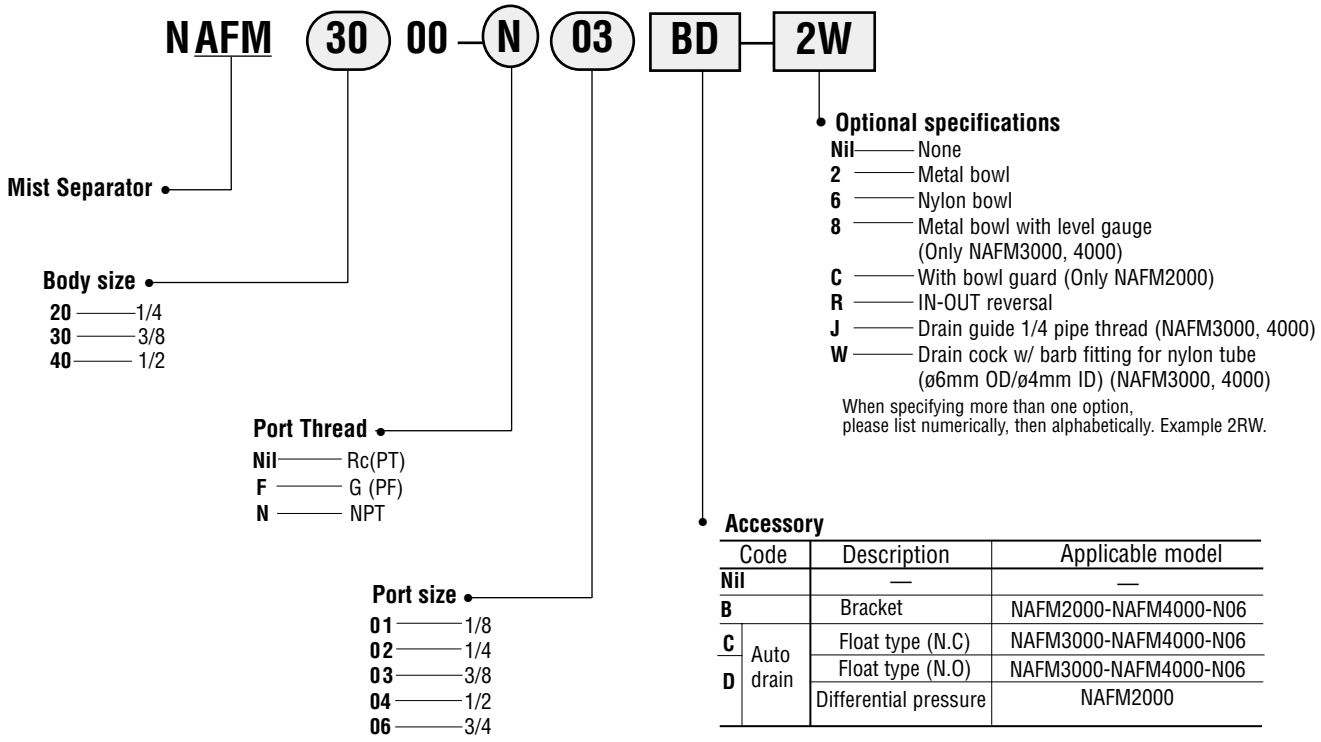
❷ Soft nylon tube of more than 3/32 in. (2.5mm)is recommended for drain piping. The overall length should be less than 16.5 ft. (5m). Be sure not to have any upward turns in the piping.

❸ Install vertically.

Maintenance

❶ Filter element to be changed after 1 year or when a pressure drop of 15psi (0.1MPa) is reached.

How to Order



Accessory

Code		Description	Applicable model
Nil		—	—
B		Bracket	NAFM2000-NAFM4000-N06
C	Auto drain	Float type (N.C)	NAFM3000-NAFM4000-N06
D	Auto drain	Float type (N.O)	NAFM3000-NAFM4000-N06
	Auto drain	Differential pressure	NAFM2000

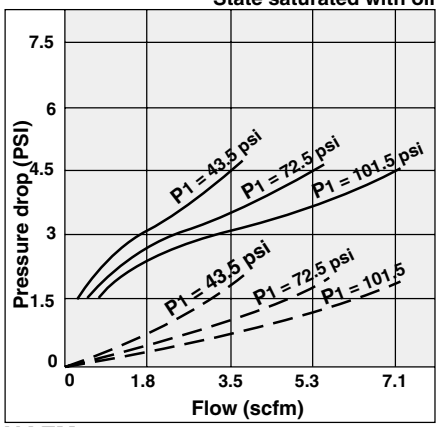
▼ Combination
□ No Combination
● Refer to "How to order"

Accessories and Combination Table

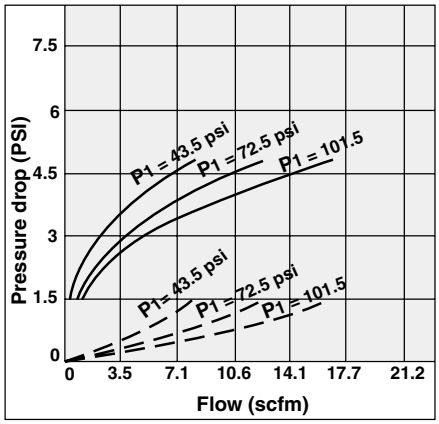
Accessory	Suffix	D	D	C	2	6	8	C	J	R	W	Applicable model		
												NAFM2000	NAFM3000	NAFM4000 NAFM6000
Differential pressure auto drain	D				▼	▼		●		▼		▼		
Float auto drain (N.O.)	D				▼	▼	●			▼			▼	▼
Float auto drain (N.C.)	C				▼	▼	●			▼			▼	▼
Metal bowl	-2	▼	▼	▼					●	▼		▼	▼	▼
Nylon bowl	-6	▼	▼	▼				●	●	▼	●	▼	▼	▼
Metal bowl with level gauge	-8		▼	▼					●	▼			▼	▼
With bowl guard	-C	▼				▼				▼		▼		
Drain guide (1/4)	-J				▼	▼	●			▼			▼	▼
In-Out reversal	-R	▼	▼	▼	▼	▼	●	●	●		●	▼	▼	▼
Drain cock, with barb fitting	-W					▼				▼			▼	▼

Flow Characteristics

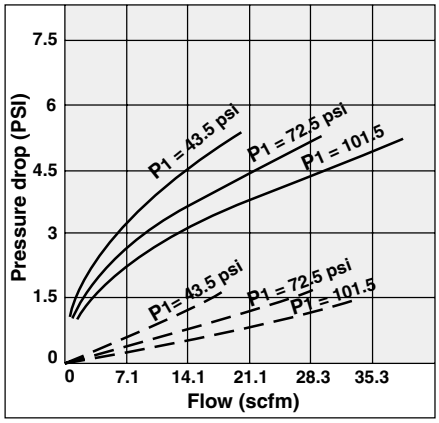
NAFM2000 — — Initial state ——— State saturated with oil



NAFM3000

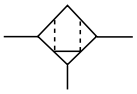


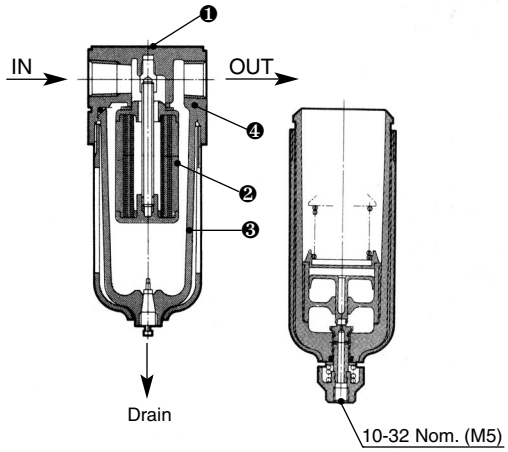
NAFM4000



Construction/Parts List

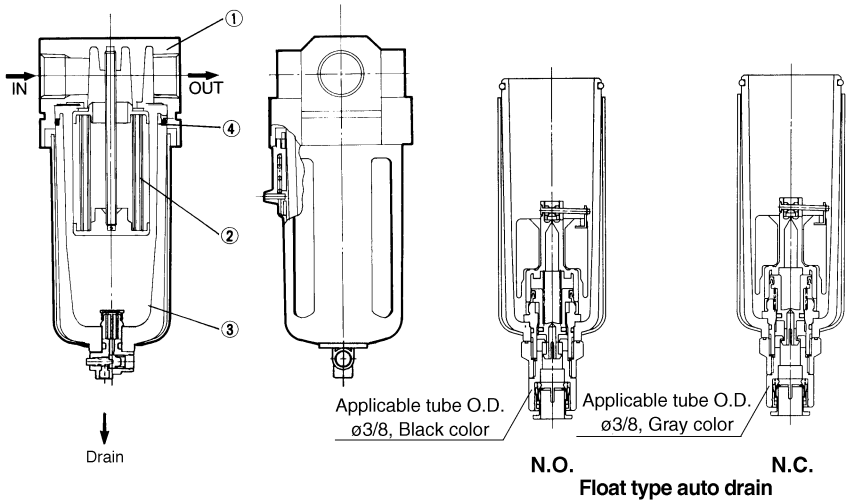
Symbol **NAFM2000**





Differential pressure auto drain

NAFM3000•4000



Float type auto drain

Main Parts

No.	Name	Material		Note
		NAFM2000	NAFM3000,NAFM4000,4000-N06	
❶	Body	Zinc die casting	Aluminum die casting	Platinum silver painting

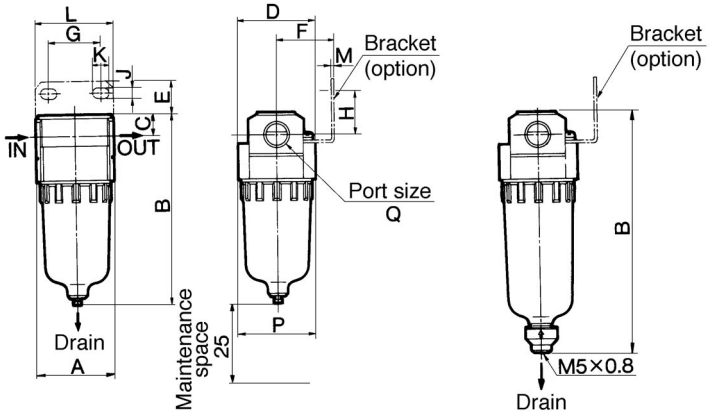
Component Parts List

No.	Parts Name	Material	Part No.		
			NAFM2000	NAFM3000	NAFM4000,NAFM4000-N06
❷	Element ass'y	–	630611	630617	630623
❸	Bowl ass'y	Polycarbonate	NC200F-C	NC300F	NC400F
❹	O-ring	NBR	11297	111512	111636

✻Bowl assemblies of NAFM3000•4000 are fitted with bowl guard (SPCE).

Dimensions
NAFM 2000, 3000, 4000,

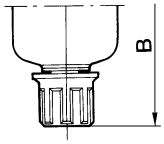
NAFM2000



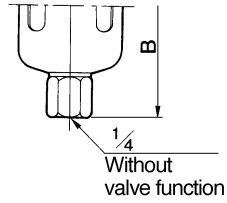
Differential pressure type auto drain

Option

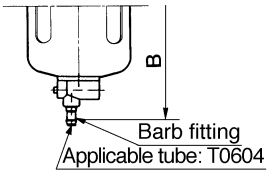
Metal bowl



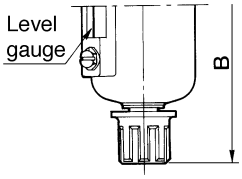
Drain guide



Drain cock/Barb fitting

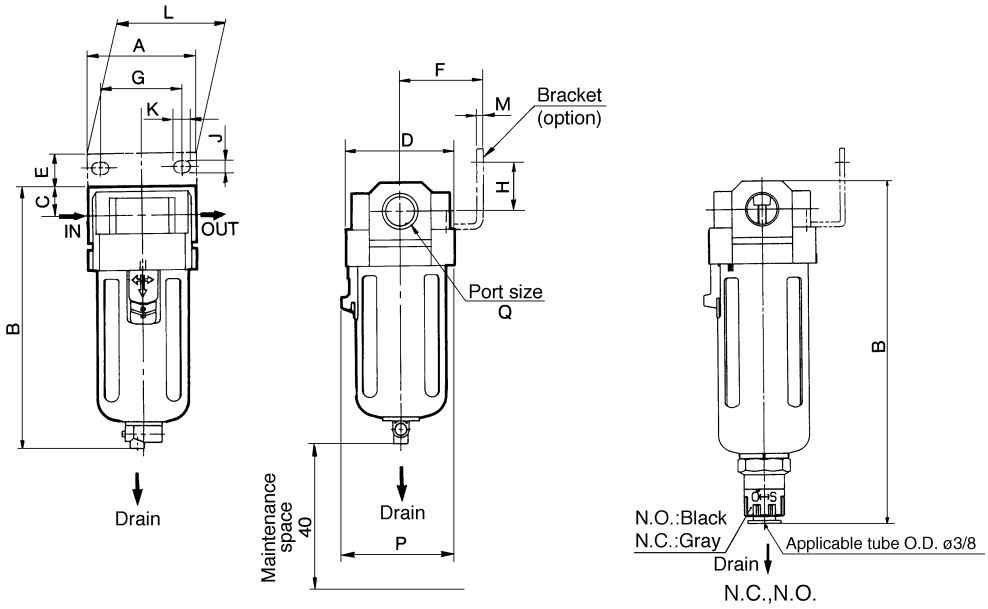


Level gauge



Model	Barb fitting	Drain guide	Metal bowl	Metal bowl with level gauge
	B	B	B	B
NAFM2000	—	—	3.84 (97.5)	—
NAFM3000	5.41 (137.5)	5.31 (135)	5.59 (142)	6.38 (162)
NAFM4000	6.83 (173.5)	6.73 (171)	7.01 (178)	7.80 (198)
NAFM4000-06	6.99 (177.5)	6.89 (175)	7.17 (182)	7.95 (202)

NAFM3000•4000



Float type auto-drain

Inch (mm)

Model	Port size	A	B	C	D	E	F	G	H	J	K	L	M	P	With auto drain	
															Float	Differential pressure
															B	B
NAFM2000	1/8 • 1/4	1.57 (40)	3.84 (97.5)	.43 (11)	1.57 (40)	.67 (17)	1.18 (30)	1.06 (27)	.87 (22)	.21 (5.4)	.33 (8.4)	1.57 (40)	.09 (2.3)	1.57 (40)	—	4.74 (120.5)
NAFM3000	1/4 • 3/8	2.09 (53)	5.08 (129)	.55 (14)	2.09 (53)	.63 (16)	1.61 (41)	1.57 (40)	0.91 (23)	0.26 (6.5)	0.31 (8)	2.09 (53)	0.09 (2.3)	2.20 (56)	6.69 (170)	—
NAFM4000	1/4 • 3/8 • 1/2	2.76 (70)	6.50 (165)	.71 (18)	2.76 (70)	0.67 (17)	1.97 (50)	2.13 (54)	1.02 (26)	0.33 (8.5)	0.41 (10.5)	2.76 (70)	0.09 (2.3)	2.87 (73)	8.11 (206)	—
NAFM4000-N06	3/4	2.95 (75)	6.65 (169)	0.79 (20)	2.76 (70)	0.55 (14)	1.97 (50)	2.13 (54)	0.98 (25)	0.33 (8.5)	.41 (10.5)	2.76 (70)	0.09 (2.3)	2.87 (73)	8.27 (210)	—

Micro Mist Separator
NAFD 2000, 3000, 4000



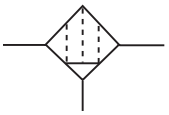
NAFD4000



NAFD3000

CAD

ANSI Symbol



Specifications

Model		NAFD2000	NAFD3000	NAFD4000	NAFD4000-N06
Port size NPT		1/8 • 1/4	1/4 • 3/8	1/4 • 3/8 • 1/2	3/4
Max. supply pressure psig (MPa)		220 (1.5)			
Max. operating pressure psig (MPa)		150 (1.0)			
Min. operating pressure psig (MPa)		7 (0.05)			
Flow capacity scfm*		4.2	8.5	22	22
Oil mist removal rate		More than 99.9%			
Filtration		0.01μm			
Bowl material		Polycarbonate			
Bowl capacity oz (cm^3)		.27 (8)	.78 (23)	1.52 (45)	1.52 (45)
Weight lbs. (kgf)		0.42 (0.19)	0.64 (0.29)	1.19 (0.54)	1.28 (0.58)
Accessory (standard)	Bowl guard	●	●	●	●

* Conditions: Supply pressure —100 psig.

Accessories (Optional)

Type	Part No.			
	NAFD2000	NAFD3000	NAFD4000	NAFD4000-N06
Bracket	B240A	B340A	B440A	B540A
Float auto drain* (N.O.)	—	NAD43	NAD44	NAD44
Float auto drain* (N.C.)	—	NAD53	NAD54	NAD54
Differential pressure auto drain	NAD62-C	—	—	—

* Min. operating pressure: N.O. - 15 psig, N.C. - 22 psig

Precautions

Installation

❶ Flush piping before installation.

Atmosphere

❶ Polycarbonate bowls may be damaged and possibly fail if exposed to synthetic oils, thinner solvents, trichlorethylene, kerosene or other aromatic hydrocarbons. When used in above atmospheres, please use a metal bowl.

Auto Drain

❶ Float type (Normally open) drain line should be 5/16 in. (8mm) or more and should be less than 16.5 ft. (5m). Be sure not to have any upward turns in the drain line which would prevent drainage.

❷ Unsuitable for flow below 3.5scfm (100N/min).

❸ Min. operating pressure 15psi (0.1MPa).

Differential type

❶ Min. operating pressure 15psi (0.1MPa).

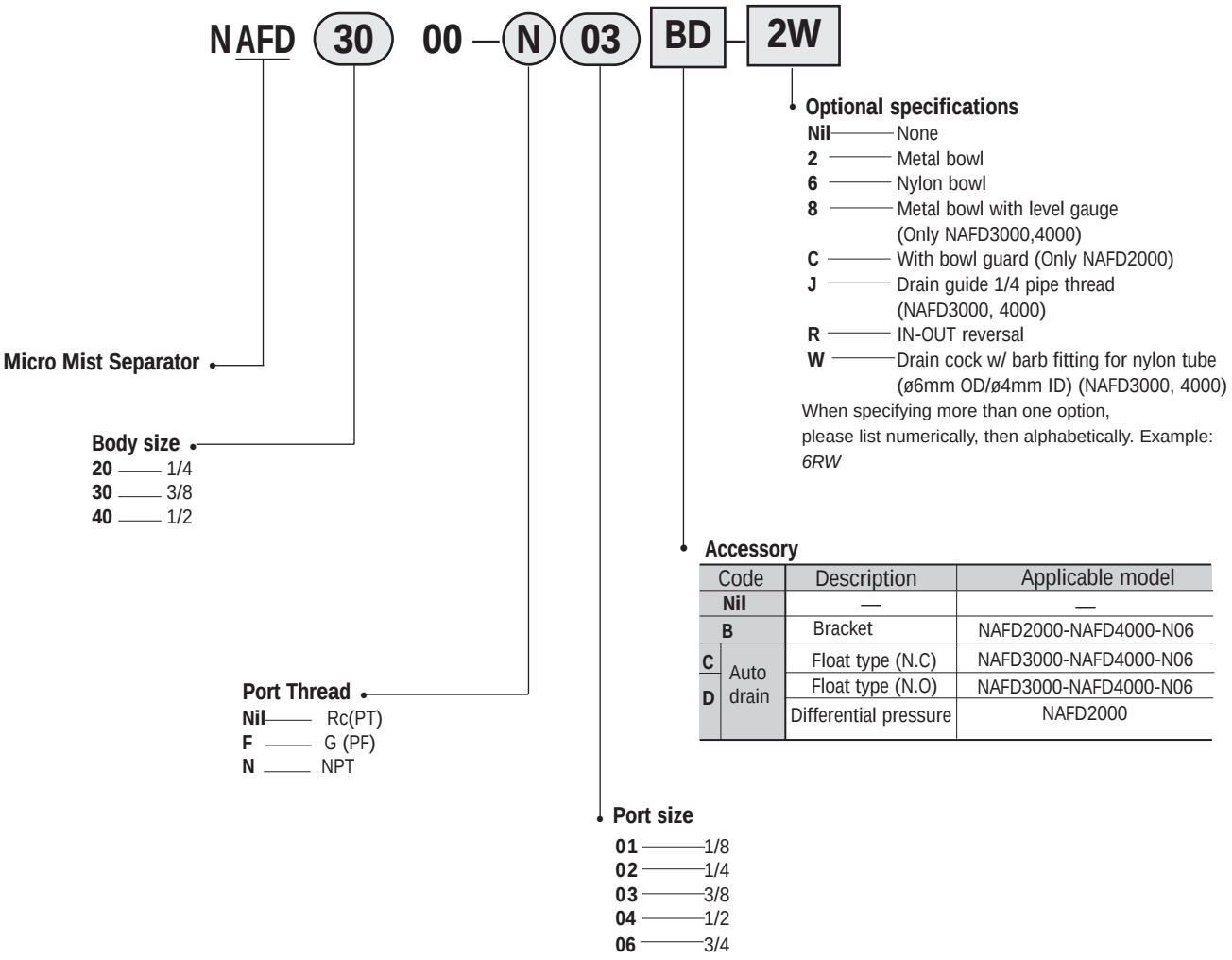
❷ Soft nylon tube of more than 3/32 in. (2.5mm) is recommended for drain piping. The overall length should be less than 16.5 ft. (5m). Be sure not to have any upward turns in the piping.

❸ Install vertically.

Maintenance

❶ Filter element to be changes after 1 year or when a pressure drop of 15psi (0.1MPa) is reached.

How To Order
NAFD 2000, 3000, 4000



Accessory

Code		Description	Applicable model
Nil		—	—
B		Bracket	NAFD2000-NAFD4000-N06
C	Auto drain	Float type (N.C)	NAFD3000-NAFD4000-N06
D	Auto drain	Float type (N.O)	NAFD3000-NAFD4000-N06
	Auto drain	Differential pressure	NAFD2000

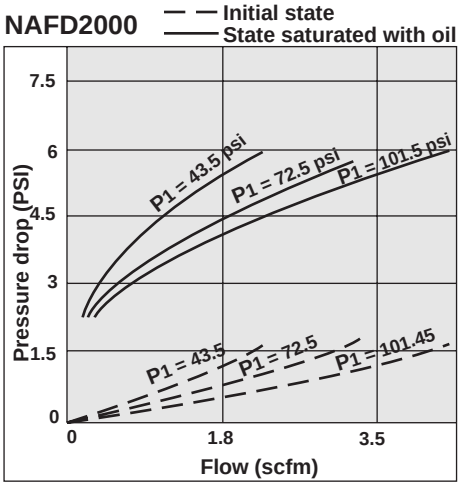
▼ Combination
□ No Combination
● Refer to "How to order"

Accessories and Combination Table

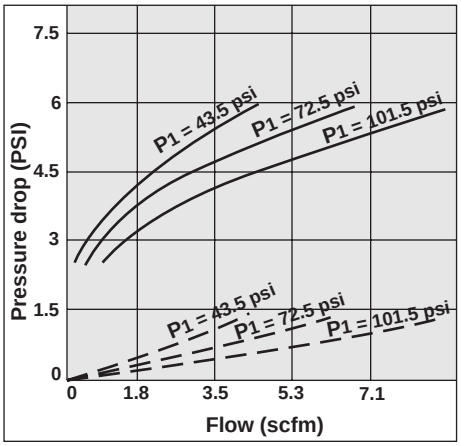
Accessory	Suffix	D	D	C	2	6	8	C	J	R	W	Applicable model		
												NAFD2000	NAFD3000	NAFD4000 NAFD6000
Differential pressure auto drain	D				▼	▼		●		▼		▼		
Float auto drain (N.O.)	D				▼	▼	●			▼			▼	▼
Float auto drain (N.C.)	C				▼	▼	●			▼			▼	▼
Metal bowl	-2	▼	▼	▼					●	▼		▼	▼	▼
Nylon bowl	-6	▼	▼	▼				●	●	▼	●	▼	▼	▼
Metal bowl with level gauge	-8		▼	▼					●	▼			▼	▼
With bowl guard	-C	▼				▼				▼		▼		
Drain guide (1/4)	-J				▼	▼	●			▼			▼	▼
In-Out reversal	-R	▼	▼	▼	▼	▼	●	●	●		●	▼	▼	▼
Drain cock, with barb fitting	-W					▼				▼			▼	▼

Flow Characteristics

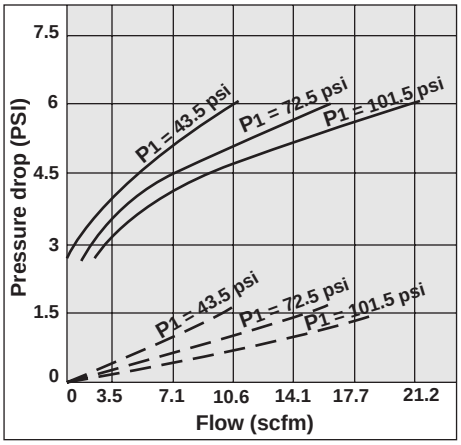
NAFD2000



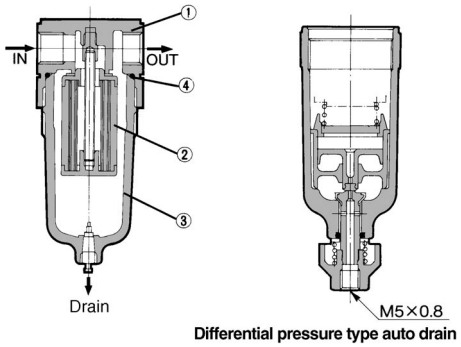
NAFD3000



NAFD4000

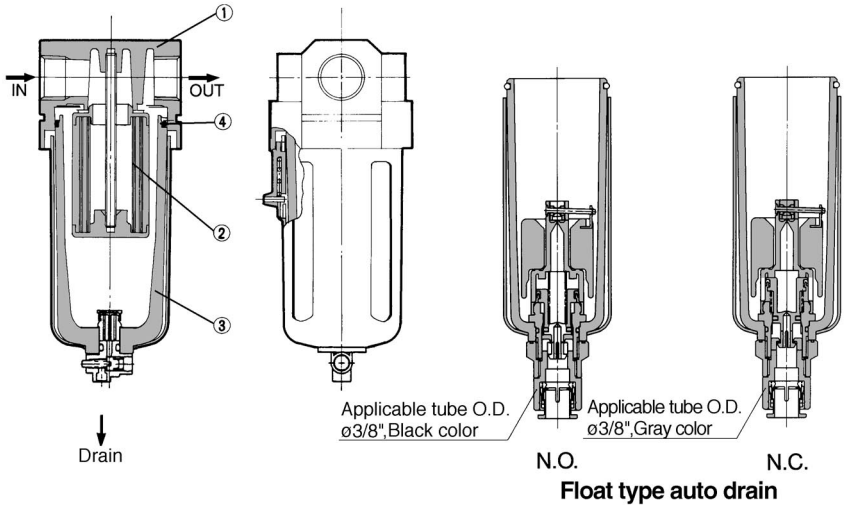


Construction/Parts List



Differential pressure type auto drain

NAFD3000•4000



Float type auto drain

Main Parts

No.	Name	Material		Note
		NAFD2000	NAFD3000• NAFD4000,4000-N06	
❶	Body	Zinc die casting	Aluminum die casting	Platimum silver painting

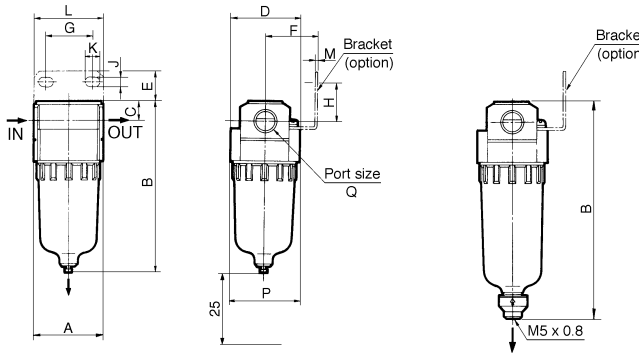
Component Parts List

No.	Description	Material	Part No.		
			NAFD2000	NAFD3000	NAFD4000• NAFD4000-N06
❷	Element ass'y	—	63092	63093	63094
❸	Bowl ass'y	Polycarbonate	NC200F-C	NC300F	NC400F
❹	O-ring	NBR	11297	111512	111636

*Bowl assemblies of NAFD3000 and NAFD4000 are fitted with bowl guard (SPCE).

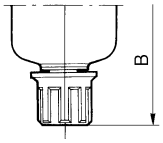
Dimensions
NAFD 2000, 3000, 4000

NAFD2000

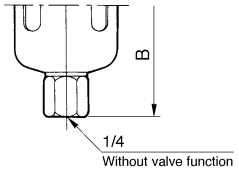


Option

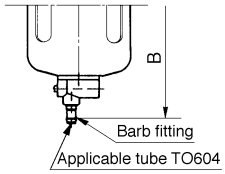
Metal bowl



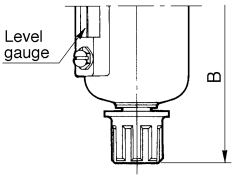
Drain guide



Drain cock/Barb fitting

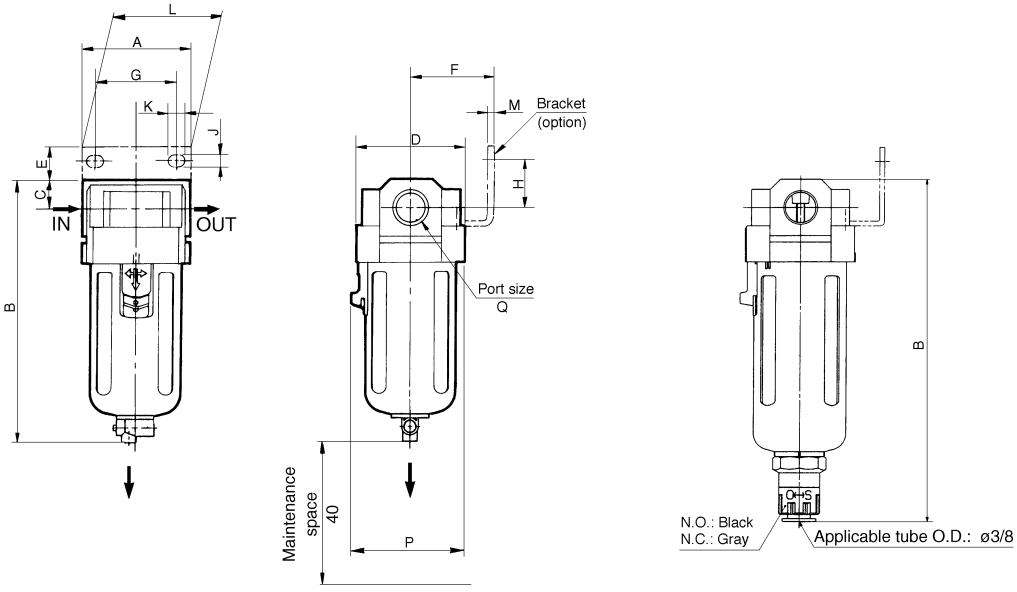


Level gauge



Model	Barb fitting	Drain guide	Metal bowl	Metal bowl with level gauge
	B	B	B	B
NAFD2000	—	—	3.84 (97.5)	—
NAFD3000	5.41 (137.5)	5.31 (135)	5.59 (142)	6.38 (162)
NAFD4000	6.83 (173.5)	6.73 (171)	7.01 (178)	7.80 (198)
NAFD4000-06	6.99 (177.5)	6.89 (175)	7.17 (182)	7.95 (202)

NAFD3000•4000



Inch (Millimeters)

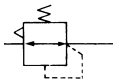
Model	Port size	A	B	C	D	E	F	G	H	J	K	L	M	P	With auto drain	
															Float	Differential pressure
															B	B
NAFD2000	1/8 • 1/4	1.57 (40)	3.84 (97.5)	.43 (11)	1.57 (40)	.67 (17)	1.18 (30)	1.06 (27)	.87 (22)	.21 (5.4)	.33 (8.4)	1.57 (40)	.09 (2.3)	1.57 (40)	—	4.74 (120.5)
NAFD3000	1/4 • 3/8	2.09 (53)	5.08 (129)	.55 (14)	2.09 (53)	.63 (16)	1.61 (41)	1.57 (40)	.91 (23)	.26 (6.5)	.31 (8)	2.09 (53)	.09 (2.3)	2.20 (56)	6.69 (170)	—
NAFD4000	1/4 • 3/8 • 1/2	2.76 (70)	6.50 (165)	.71 (18)	2.76 (70)	.67 (17)	1.97 (50)	2.13 (54)	1.02 (26)	.33 (8.5)	.41 (10.5)	2.76 (70)	.09 (2.3)	2.87 (73)	8.11 (206)	—
NAFD4000-N06	3/4	2.95 (75)	6.65 (169)	.79 (20)	2.76 (70)	.55 (14)	1.97 (50)	2.13 (54)	.98 (25)	.33 (8.5)	.41 (10.5)	2.76 (70)	0.9 (2.3)	2.87 (73)	8.27 (210)	—

- Locking adjustment knob prevents accidental setting changes
- Various pressure range settings accomodate most applications
- Modular design connects with other SMC air preparation equipment

Regulator
NAR 1000, 2000, 2500, 3000, 4000, 5000, 6000

CAD

ANSI Symbol





NAR4000-N04



NAR3000-N03BG



NAR2500-N03



NAR2000-N02BG

Specifications

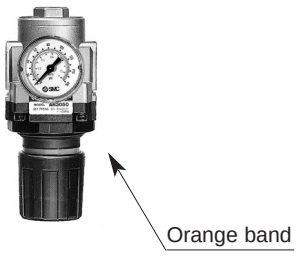
Model	NAR1000	NAR2000	NAR2500	NAR3000	NAR4000	NAR4000-N06	NAR5000	NAR6000
Port Size NPT	10-32Nom. (M5)	1/8 • 1/4	1/4 • 3/8	1/4 • 3/8	1/4• 3/8• 1/2	3/4	3/4 • 1	1
Proof pressure psig (MPa)	220 (1.5)							
Max oper. pressure psig (MPa)	150 (1.0)							
Regulating range psig (MPa)	7~100 (0.05~0.7)	7~120 (0.05 ~ 0.85)						
Port size for pressure gauge	1/16 Rc(PT)	1/8 NPT	1/8 NPT	1/8 NPT	1/4 NPT	1/4 NPT	1/4 NPT	1/4 NPT
Ambient and media temp.	23° ~140° F (-5° ~ 60° C)							
Construction	Relieving style							
Weight lbs. (kgf)	0.18 (0.08)	0.60 (0.27)	0.60 (0.27)	0.90 (0.41)	1.85 (0.84)	2.07 (0.94)	2.62 (1.19)	3.42 (1.55)

Accessories

Type	Part No.							
	NAR1000	NAR2000	NAR2500	NAR3000	NAR4000	NAR4000-N06	NAR5000	NAR6000
Bracket	B120	B220	B220	B320	B420	B420	B640A	B640A
Pressure gauge	G27-P10-R1	K40A-MP1.0-N01M	K40A-MP1.0-N01M	K40A-MP1.0-N01M	K50A-MP1.0-N02M	K50A-MP1.0-N02M	K50A-MP1.0-N02M	K50A-MP1.0-N02M

Setting

❶The adjustment knob is of the locking type. Pull the knob away from the body until an orange band is visible. Adjust as necessary and push the knob back into its locked position to prevent accidental setting change.



❷Turning the adjustment knob clockwise increases the pressure and turning the knob counter clockwise will reduce the pressure.

❸Check supply pressure before adjusting pressure.

Precautions

<Installation>

Flush piping before installation.

Install with at least 2.5 in. (60mm) of free space below the unit to allow easy access.

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