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Micro Mist Separator
NAFD 2000, 3000, 4000



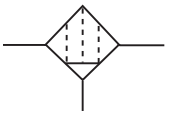
NAFD4000



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).

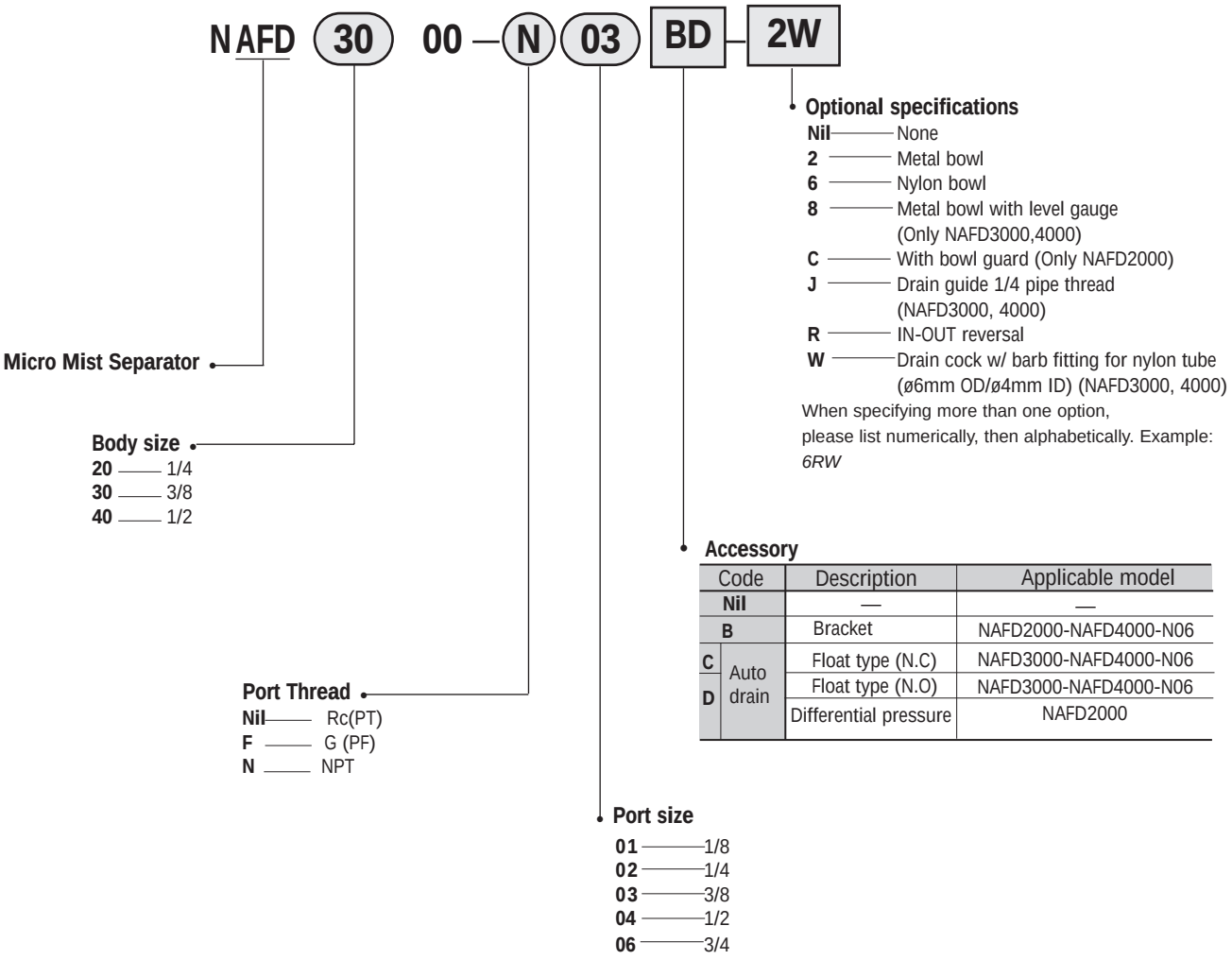
❷ Soft nylon tube of more than 3/32 in. (2.5mm) is recommended for drain piping. The overall length should be less than 16.5 ft. (5m). Be sure not to have any upward turns in the piping.

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

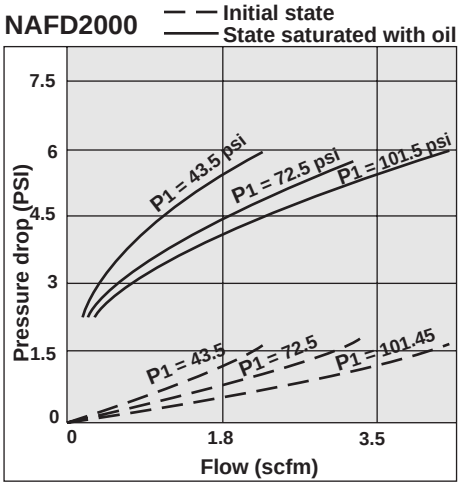
▼ Combination
□ No Combination
● Refer to "How to order"

Accessories and Combination Table

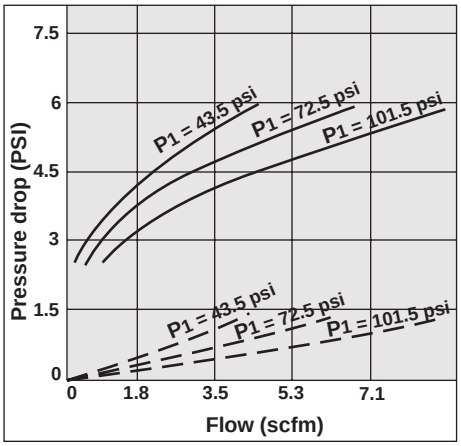
Accessory	Suffix	D	D	C	2	6	8	C	J	R	W	Applicable model		
												NAFD2000	NAFD3000	NAFD4000 NAFD6000
Differential pressure auto drain	D				▼	▼		●		▼		▼		
Float auto drain (N.O.)	D				▼	▼	●			▼			▼	▼
Float auto drain (N.C.)	C				▼	▼	●			▼			▼	▼
Metal bowl	-2	▼	▼	▼					●	▼		▼	▼	▼
Nylon bowl	-6	▼	▼	▼				●	●	▼	●	▼	▼	▼
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

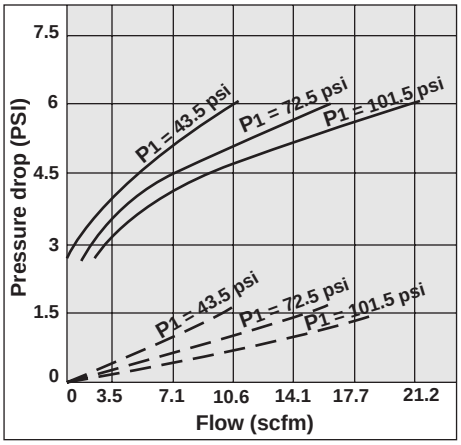
NAFD2000



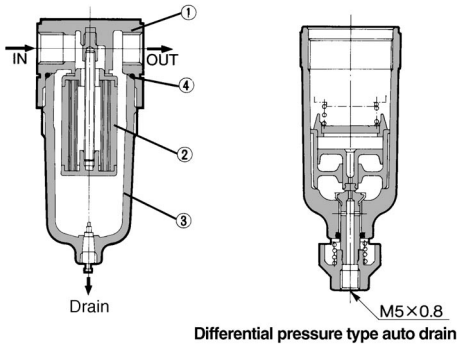
NAFD3000



NAFD4000

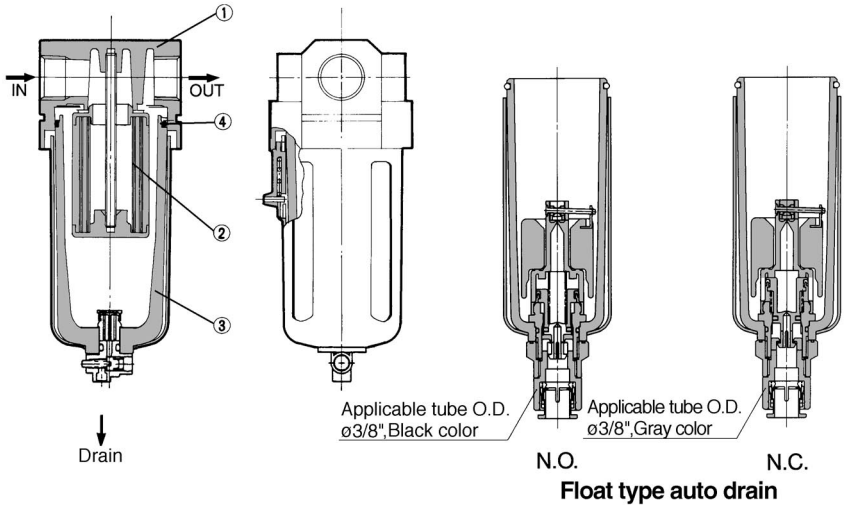


Construction/Parts List



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

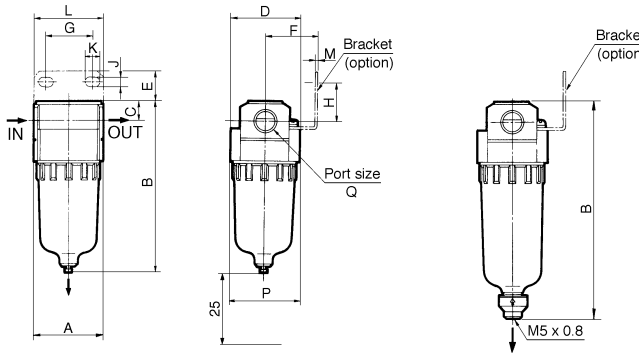
Component Parts List

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).

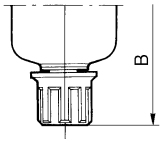
Dimensions
NAFD 2000, 3000, 4000

NAFD2000

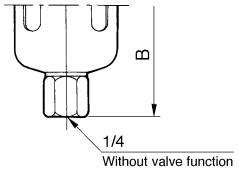


Option

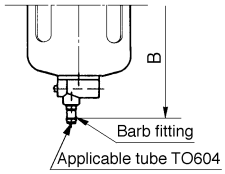
Metal bowl



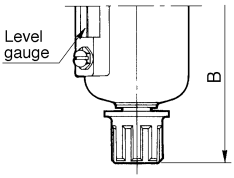
Drain guide



Drain cock/Barb fitting

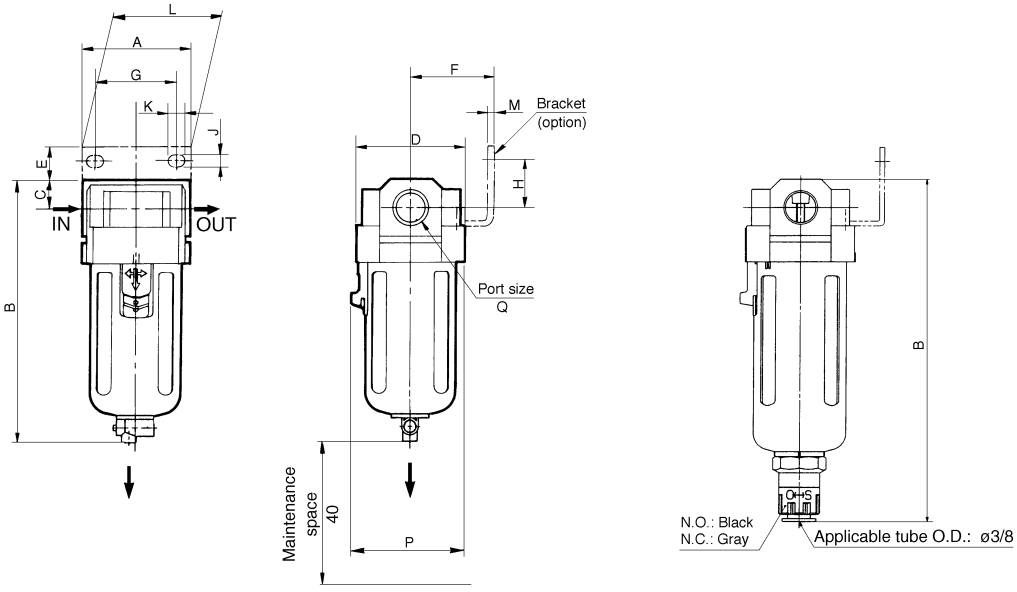


Level gauge



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)	—

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