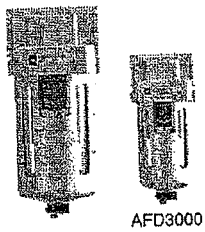
Micro Mist Separator

AFD2000/3000/4000

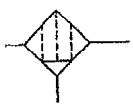
AFD4000-N04

459.40



AFD4000 AFD3000

JIS Symbol



Standard Specifications

Model	AFD2000	AFD3000	AFD4000	AFD4000-06
Port size	1/8 1/4	1/4 3/8	1/4 3/8 1/2	3/4
Fluid	Air			
Proof pressure	1.5MPa			
Max. operating pressure	1.0MPa			
Min. operating pressure	0.05MPa			
Ambient and fluid temperature	–5 to 60°C (No freezing)			
Flow rate (1)	120	240	600	600
Filtration	0.01μm (95% particle size collection)			
Oil mist density at the exhaust side	Max. 0.1mgf/Nm³ (Before saturated with oil: 0.01mgf/Nm³ or less ≅ 0.008ppm) (2)			
Element life expectancy	For two years or when pressure drop reaches 0.1MPa			
Bowl material	Polycarbonate			
Bowl capacity (cm³)	8	23	45	45
Weight (Kg)	0.19	0.29	0.54	0.58
Accessory (standard) Bowl guard	—	●	●	●

Note 1) At supply pressure 0.7MPa. Flow rate is subject to the primary side pressure.
Note 2) When oil mist density of the compressor exhaust is 30mgf/cm³ (ANR).

Accessory (optional) Part No.

Description		Model / Part No. AFD2000	AFD3000	AFD4000	AFD4000-06
Accessory: Bracket assembly (1)		B240A	B340A	B440A	B540A
Accessory: Float style (2) auto drain	N.O.	—	AD43	AD44	AD44
	N.C.	—	AD53	AD54	AD54
Accessory: Pressure differential auto drain (3)		AD62	—	—	—

Note 1) Bracket with two mounting threads.
Note 2) Min. operating pressure: 0.1MPa (N.O.), 0.15MPa (N.C.)
Note 3) Min. pressure differential: 0.01MPa

How to Order

AFD 30 00 – □ 03 B – 2R

Micro mist separator

Body size

20	1/8
30	3/8
40	1/2

Thread

—	Rc(PT)
N	NPT
F	G(PF)

Port size

01	1/8
02	1/4
03	3/8
04	1/2
06	3/4

Accessory

Symbol		Description	Applicable model
—		—	—
B		Bracket	AFD2000 to AFD4000-06
C	Auto-drain	Float auto-drain (N.C.)	AFD3000 to AFD4000-06
D	Auto-drain	Pressure differential auto drain	AFD2000
	Auto-drain	Float auto drain (N.O.)	AFD3000 to AFD4000-06

Option

2	Metal bowl
6	Nylon bowl
8	Metal bowl with level gauge (AFD3000/AFD4000 only)
C	With bowl guard (AFD2000 only)
J	Drain guide Rc(PT) 1/4 (AFD3000/AFD4000 only)*
R	Flow direction: From right to left
W	With drain cock and barb fitting (AFD3000/AFM4000 only) For ø6/ø4 nylon)

•When specifying more than one symbol, indicate them alphabetically.
Ex.) 2R
*Without valve function

Combination Table/Accessory and Option

◎Combinable ▩Impossible ○Depends on the model

	Accessory/Option	Sym	Auto drain D	D	C	Option 2	6	8	C	J	R	W	Applicable mist separator AFD2000	AFD3000	AFD4000
Accessory	Pressure differential auto-drain	D	▩	▩	▩	◎	◎	▩	○	▩	◎	▩	◎	▩	▩
	Float style auto drain (N.O.)	D	▩	▩	▩	◎	◎	○	▩	▩	◎	▩	▩	◎	◎
	Float style auto drain (N.C.)	C	▩	▩	▩	◎	◎	○	▩	▩	◎	▩	▩	◎	◎
Option	Metal bowl	–2	◎	◎	◎	▩	▩	▩	▩	▩	◎	▩	◎	◎	◎
	Nylon bowl	–6	◎	◎	◎	▩	▩	▩	○	○	◎	○	◎	◎	◎
	Metal bowl with level gauge	–8	▩	○	○	▩	▩	▩	▩	○	◎	▩	▩	◎	◎
	Bowl guard	–C	◎	▩	▩	▩	◎	▩	▩	▩	◎	▩	◎	▩	▩
	Drain guide Rc(PT)1/4	–J	▩	▩	▩	◎	◎	○	▩	▩	◎	▩	▩	◎	◎
	Flow direction: From right to left	–R	◎	◎	◎	◎	◎	○	○	○	▩	○	◎	◎	◎