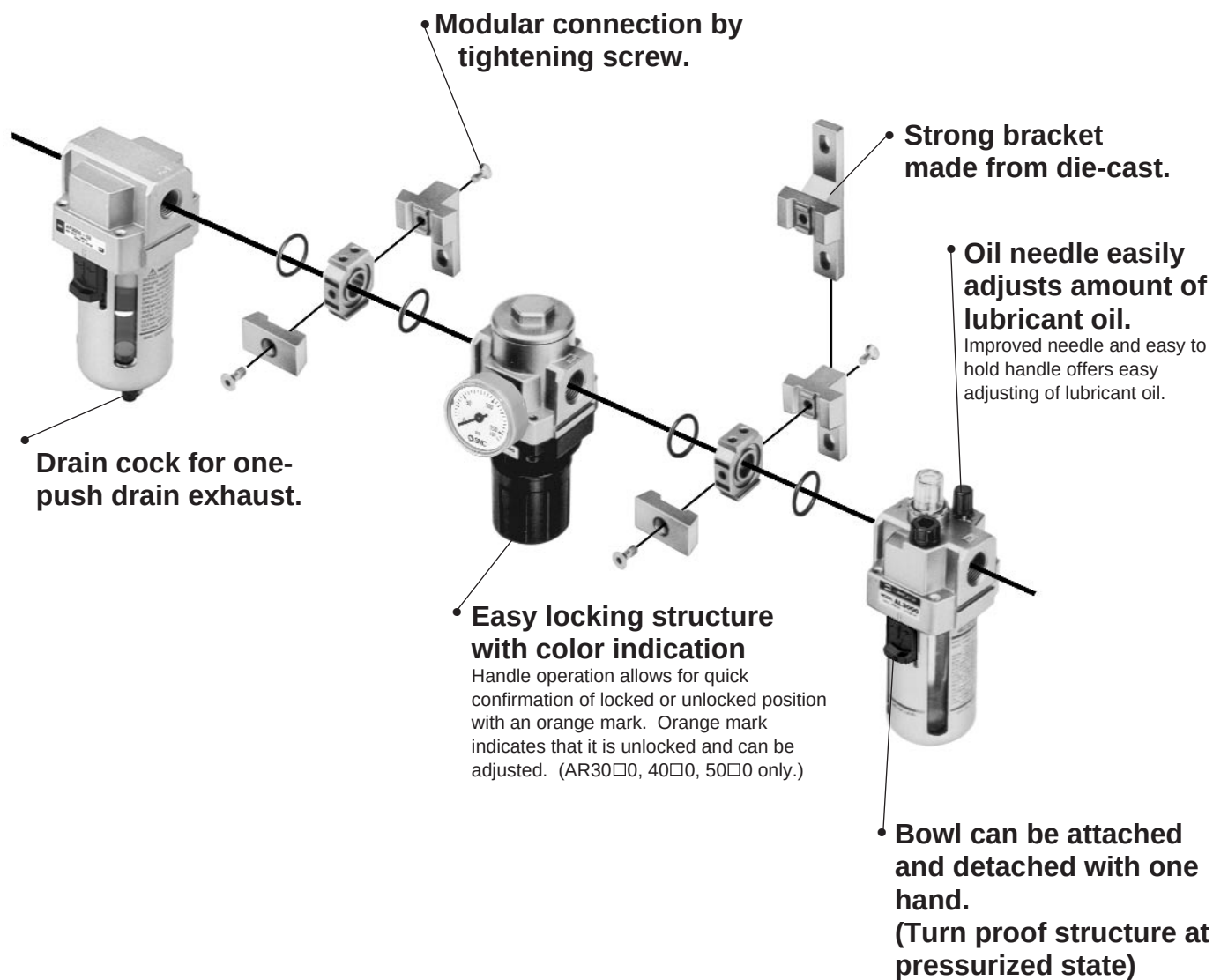


Modular Air Combination Units

NAC1000 ~ 6000 series	12-16
Filter + Regulator + Lubricator	
NAC1010 ~ 4010 series	17-18
Filter/Regulator + Lubricator	
NAC1020 ~ 6020 series	19-21
Filter + Regulator	
NAC2030 ~ 4030 series	22-23
Filter + Mist Separator + Regulator	
NAC2040 ~ 4040	24-25
Filter/Regulator + Mist Separator	

Modular Air Combination Units

Filter+Regulator+Lubricator



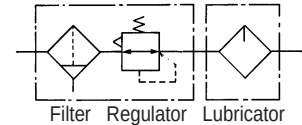
Standard combinations only — other combinations of Modular units are possible.

Model/Series	Port size	Filter NAF	Regulator NAR	Lubricator NAL	Filter Regulator	Mist Separator
NAF+NAR+NAL 	NAC1000	10-32 Nom. (M5)	NAF1000	NAR1000	NAL1000	
	NAC2000	1/8 • 1/4	NAF2000	NAR2000	NAL2000	
	NAC2500	1/4 • 3/8	NAF3000	NAR2500	NAL3000	
	NAC3000	1/4 • 3/8	NAF3000	NAR3000	NAL3000	
	NAC4000	1/4 • 3/8 • 1/2	NAF4000	NAR4000	NAL4000	
	NAC4000-N06	3/4	NAF4000-N06	NAR4000-N06	NAL4000-N06	
	NAC5000	3/4 • 1	NAF5000	NAR5000	NAL5000	
	NAC5500	1	NAF6000	NAR5000	NAL6000	
	NAC6000	1	NAF6000	NAR6000	NAL6000	
NAW-NAL 	NAC1010	10-32 Nom. (M5)			NAL1000	NAW1000
	NAC2010	1/8 • 1/4			NAL2000	NAW2000
	NAC3010	1/4 • 3/8			NAL3000	NAW3000
	NAC4010	1/4 • 3/8 • 1/2			NAL4000	NAW4000
	NAC4000-N06	3/4			NAL4000-N06	NAW4000-N06
NAF+NAR 	NAC1020	10-32 Nom. (M5)	NAF1000	NAR1000		
	NAC2020	1/8 • 1/4	NAF2000	NAR2000		
	NAC2520	1/4 • 3/8	NAF3000	NAR2500		
	NAC3020	1/4 • 3/8	NAF3000	NAR3000		
	NAC4020	1/4 • 3/8 • 1/2	NAF4000	NAR4000		
	NAC4020-N06	3/4	NAF4000-N06	NAR4000-N06		
	NAC5020	3/4 • 1	NAF5000	NAR5000		
	NAC5520	1	NAF6000	NAR5000		
	NAC6020	1	NAF6000	NAR6000		
NAF-+NAFM+NAR 	NAC2030	10-32 Nom. (M5)	NAF2000	NAR2000		NAFM2000
	NAC2530	1/8 • 1/4	NAF3000	NAR2500		NAFM3000
	NAC3030	1/4 • 3/8	NAF3000	NAR3000		NAFM3000
	NAC4030	1/4 • 3/8 • 1/2	NAF4000	NAR4000		NAFM4000
	NAC4030-N06	3/4	NAF4000-N06	NAR4000-N06		NAFM4000-N06
NAW+NAFM 	NAC2040	1/8 • 1/4			NAW2000	NAFM2000
	NAC3040	1/4 • 3/8			NAW3000	NAFM3000
	NAC4040	1/4 • 3/8 • 1/2			NAW4000	NAFM4000
	NAC4040-N06	3/4			NAW4000-N06	NAFM4000-N06

Filter+Regulator+Lubricator

NAC1000, 2000, 2500, 3000, 4000, 5000, 5500, 6000

ANSI SYMBOL



NAC4000



NAC3000



NAC2000

Specifications

Model		NAC1000	NAC2000	NAC2500	NAC3000	NAC4000	NAC4000-N06	NAC5000	NAC5500	NAC6000
Combination	Air filter	NAF1000	NAF2000	NAF3000	NAF3000	NAF4000	NAF4000-06	NAF5000	NAF6000	NAF6000
	Regulator	NAR1000	NAR2000	NAR2500	NAR3000	NAR4000	NAR4000-06	NAR5000	NAR5000	NAR6000
	Lubricator	NAL1000	NAL2000	NAL3000	NAL3000	NAL4000	NAL4000-06	NAL5000	NAL6000	NAL6000
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	1
Port size for pressure gauge		1/16Rc(PT)	1/8 NPT	1/8 NPT	1/8 NPT	1/4 NPT	1/4 NPT	1/4 NPT	1/4 NPT	1/4 NPT
Proof pressure psig (MPa)		220 (1.5)								
Max. operating press. psig (MPa)		150 (1.0)								
Regulating range psig (MPa)		7~100 (0.05~0.7)								
Max. Flow Rate scfm*		3 (M5)	18 (1/4)	53.5 (3/8)	71 (3/8)	142 (1/2)	160 (3/4)	178 (3/4)	210 (1)	210 (1)
Ambient and media temperature		23° ~140° F (-5 ~60° C)								
Filtration		5µm								
Recommended oil		Turbine oil ISO VG32								
Bowl material		Polycarbonate								
Construction/Regulator		Relieving style								
Weight lbs.		0.57	1.63	2.35	2.60	4.72	5.45	8.40	8.90	9.60
Accessories (standard)	Bowl guard	-	•	•	•	•	•	•	•	•
	Bracket	B110L	B210L	B310L	B310L	B410L	B510L	B610L	B610L	B610L

* Conditions: Supply pressure - (100psig), Setting pressure - (70psig)

Accessories

Model		Part No.								
		NAC1000	NAC2000	NAC2500	NAC3000	NAC4000	NAC4000-N06	NAC5000	NAC5500	NAC6000
Combination	Check valve***	—	NAKM2000-□01	NAKM3000-□01	NAKM3000-□01	NAKM4000-□02	—	—	—	—
			□02	□02	□02	□03				
	Pressure switch	—	NIS1000M-2Y	NIS1000M-3Y	NIS1000M-3Y	NIS1000M-4Y	NIS1000M-5Y	NIS1000M-6Y	NIS1000M-6Y	NIS1000M-6Y
	T-Type spacer***	Y11-M5	Y21-□01	Y31-□01	Y31-□01	Y41-□02	Y51-□02	Y61-□03	Y61-□03	Y61-□03
			□02	□02	□02	□03	□03	□04	□04	□04
Combination	Shut-off valve	—	NVHS2000-□01	NVHS3000-□02	NVHS3000-□02	NVHS4000-□02	—	—	—	—
			□02	□03	□03	□04				
Combination	Lock-out valve	—	NVHS2500-□01	NVHS3500-□02	NVHS3500-□02	NVHS4500-□02	—	NVHS5500-□06	NVHS5500-□06	NVHS5500-□06
			□02	□03	□03	□04		□10	□10	□10
Accessories	T-Type bracket	B110T	B210T	B310T	B310T	B410T	B510T	B610T	B610T	B610T
	Spacer	Y10	Y20	Y30	Y30	Y40	Y50	Y60	Y60	Y60
	Piping adaptor**	E10-M5	E20-□01	E30-□02	E30-□02	E40-□02	E50-□06	□06	□06	□06
			□02	□03	□03	□03		□10	□10	□10
			□03	□04	□04	□06				
	Pressure gauge	G27-P10-R1	K40MP10-N01M	K40MP10-N01M	K40MP10-N01M	K50-MP10-N02M	K50-MP10-N02M	K50MP10-N02M	K50MP10-N02M	K50MP10-N02M
	Float type auto drain*	N.O.	—	NAD43	NAD43	NAD44	NAD44	NAD44	NAD44	NAD44
Accessories		N.C.	—	NAD53	NAD53	NAD54	NAD54	NAD54	NAD54	NAD54
	Differential pressure auto drain	NAD61	NAD62-C	—	—	—	—	—	—	—

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

**Port size: M5=M5 X 0.8, □01=1/8, □02=1/4, □03=3/8, □04=1/2, □06=3/4, □10=1

***Standard port size without ().

NAC 30 00 N 03 DG ST 12

Country code

— - Asia, Australia, Japan
N - North America
E - Europe

Air Combination

Body size

10 — M5 30 — 3/8 55 — 1
20 — 1/8 40 — 1/2 60 — 1
25 — 1/4 50 — 3/4

Components

Code	Air Filter (NAF)	Regulator (NAR)	Lubricator (NAL)	Filter Regulator (NAW)	Mist Separator (NAFM)
00	①	②	③	—	—
10	—	—	②	①	—
20	①	②	—	—	—
30	①	③	—	—	②
40	—	—	—	①	②

Note: Order of assembly

Example

00—NAF+NAR+NAL

10—NAW+NAL (Only NAC1000~NAC4000)

20—NAF+NAR

30—NAF+NAFM+NAR (Only NAC2000~NAC4000)

40—NAW+NAFM (Only NAC2000~NAC4000)

Port thread

Nil — Rc(PT)
F — G(PF)
N — NPT

Port size

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

Accessory

Code	Description	Applicable model
C	Auto drain	Float type(N.C.):NAC2500~NAC6000
D	Auto drain	Differential pressure:NAC1000,NAC2000 Float type: (N.O.): NAC2500~NAC6000
G	Pressure gauge	NAC1000~6000

Optional specifications

Nil — None

1 — 0.02~0.2MPa (3~30 Psig)Setting (Regulator)*

2 — Metal bowl (Filter•Lubricator)

3 — Lubricator with drain cock

4 — 0.02~0.4MPa (3~60 Psig) Setting (Regulator)

6 — Nylon bowl (Filter•Lubricator)

8 — Metal bowl with level gauge (Filter•Lubricator)
(NAC3000~NAC6000)

C — With bowl guard (Only NAC2000)

J — Drain guide 1/4 pipe thread (NAC2500~NAC6000)

N — Non-relieving

R — IN-OUT reversal (Right→Left)

W — Drain cock w/barb fitting for nylon tube
(ø6mm OD/ø4mm ID)

X — "L" Brackets instead of "T" or "T" instead of "L"

Note: When specifying more than one option, please list numerically then, alphabetically. Example: 2NR

*Not a maximum setting. Option 1 is more precise in the range of 3~30 psig. Option 4 is more precise in the range of 3~60 psig.

Attachment

Code	Description	Location	Applicable model	Air entry port size
Nil	—	—	—	—
K	Check valve	NAF+NAR+ (K) +NAL NAW+ (K) +NAL	NAC2000~NAC4000 NAC2010~NAC4010	NAC2000:1/8 NAC2500:1/4 NAC3000:1/4 NAC4000:3/8
S	Pressure Switch	NAF+NAR+ (S) +NAL NAF+ (S) +NAR NAF+NAFM+ (S) +NAR	NAC2000~NAC6000 NAC2020~NAC6020 NAC2030~NAC4030	—
T	T-Type Spacer	NAF+ (T) +NAR+NAL NAF+ (T) +NAR NAF+NAFM+ (T) +NAR	NAC1000~NAC6000 NAC1020~NAC6020 NAC2030~NAC4030	NAC1000:10-32 Nom NAC2000:1/8 NAC2500:1/4 NAC3000:1/4 NAC4000:3/8 NAC5000:3/8 NAC6000:1/2
V	3-Port relieving shut-off valve	NAF+NAR+NAL+ (V) NAW+NAL+ (V) NAF+NAR+ (V) NAF+NAFM+NAR+ (V) NAW+NAFM+ (V)	NAC2000~NAC4000 NAC2010~NAC4010 NAC2020~NAC4020 NAC2030~NAC4030 NAC2040~NAC4040	—
LV	Locking 3-Port relieving shut-off valve	(LV) +NAF+NAR+NAL (LV) +NAW+NAL (LV) +NAF+NAR (LV) +NAF+NAFM+NAR (LV) +NAW+NAFM	NAC2000~NAC6000 NAC2010~NAC4010 NAC2020~NAC6020 NAC2030~NAC4030 NAC2040~NAC4040	—

Note (1) Specify alphabetically when having two codes or more.

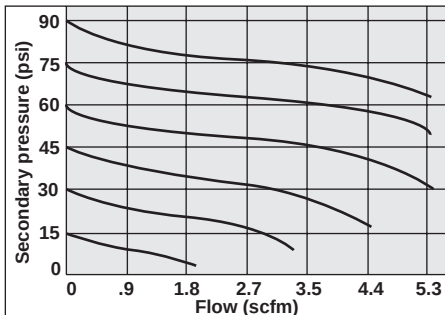
Filter+Regulator+Lubricator

NAC1000, 2000, 2500, 3000, 4000, 5000, 5500, 6000

Flow Characteristics

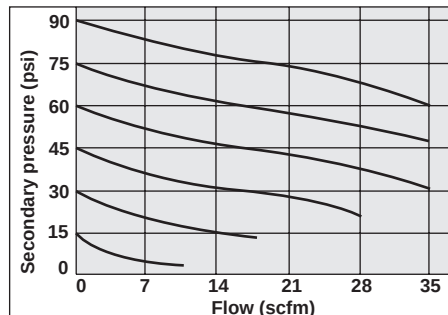
Supply Pressure - 100 psi (0.7 MPa)

NAC1000 10-32 Nom. (M5X0.8)



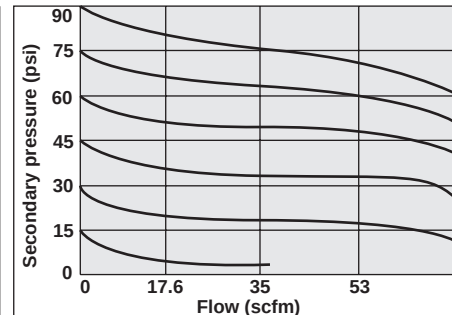
NAC2000

NPT1/4



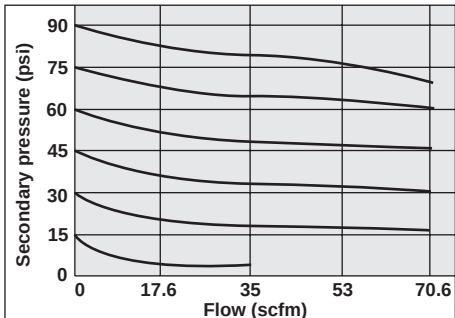
NAC2500

NPT3/8



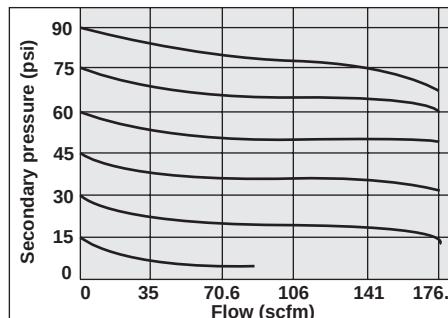
NAC3000

NPT 3/8



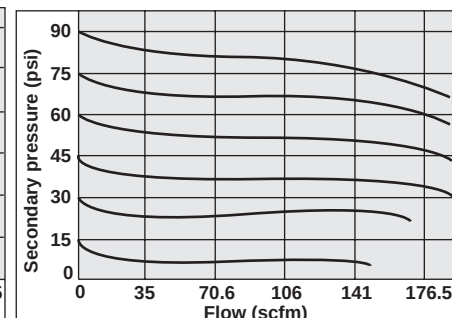
NAC4000

NPT 1/2



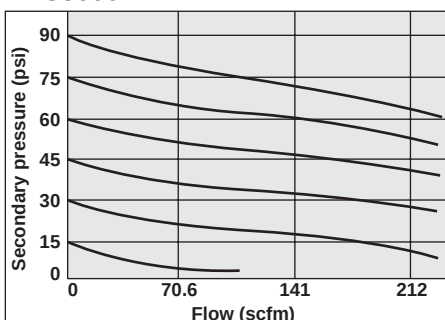
NAC4000-06

NPT 3/4



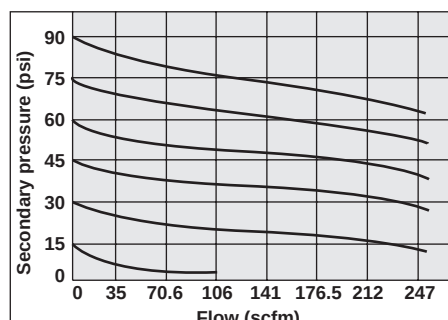
NAC5000

NPT 3/4



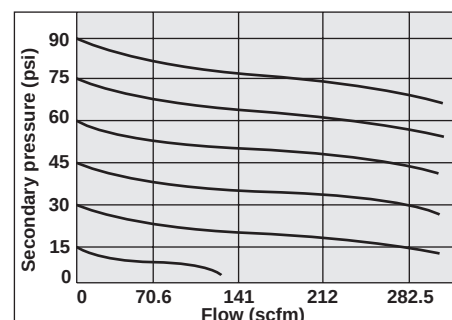
NAC5500

NPT 1



NAC6000

NPT 1

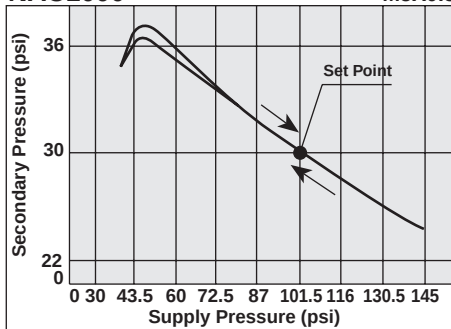


Pressure Characteristics

Supply Pressure - 100 psi (0.7 MPa) • Secondary Pressure - 30 psi (0.2 MPa) • Flow - 0.7SCFM (20 l/min)

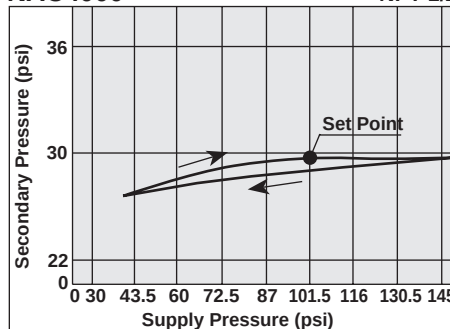
NAC1000

M5X0.8



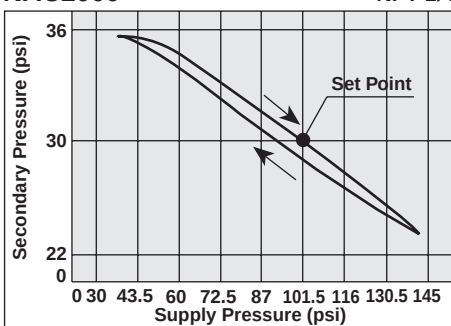
NAC4000

NPT 1/2



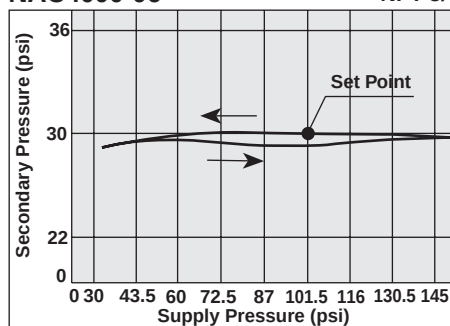
NAC2000

NPT 1/4



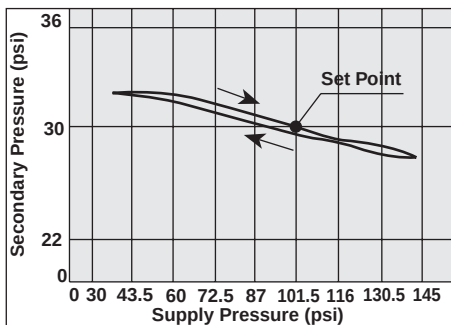
NAC4000-06

NPT 3/4



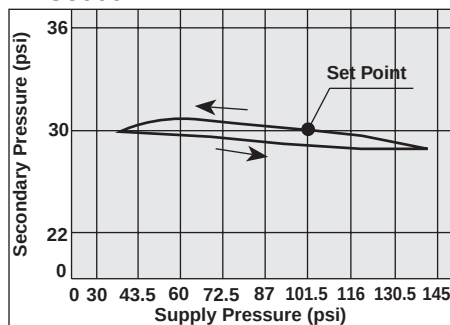
NAC2500

NPT 3/8



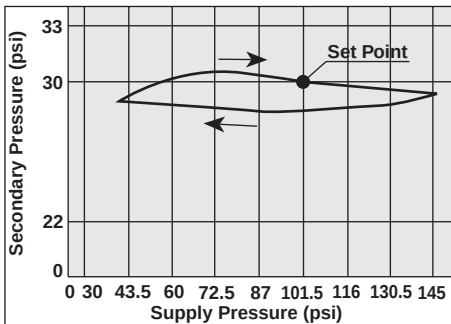
NAC5000

NPT 3/4



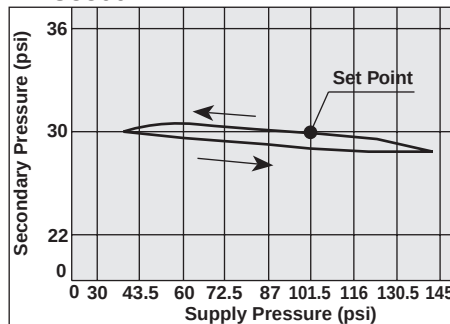
NAC3000

NPT 3/8



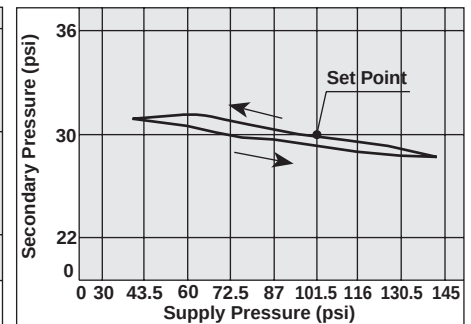
NAC5500

NPT 1



NAC6000

NPT 1



Precautions

Read carefully before handling. Refer to the safety instructions and precautions section for the products mentioned in this catalog.

Selection

- ① For NAC3030, 4030, NAC3040, 4040 with float type auto drain (N.O.), use 2.2kW {200 l/min. (ANR)} or larger compressor. Because two auto drains are used and 200 l/min air is needed, it might cause a malfunction with a compressor weaker than the required ability.

Installation

- ① Flush piping before installation.
- ② Use of piping adapters will ease installation.
- ③ The regulator may be installed with the adjustment knob up or down. If using the pressure switch (IS1000M) and/or the T-type spacer, the regulator knob must face down.
- ④ The NAKM check valve is designed to be used between the regulator and the lubricator when it is necessary to prevent the possibility of lubricant flowing back into a non-lubricated secondary supply line.
- ⑤ When mounting residual pressure release 3-port valve upstream of a lubricator, use check valve (series NAKM) to prevent reverse flow of oil.
- ⑥ Pressure switch and T-type interface cannot be mounted to OUT side of residual pressure release 3-port valve.

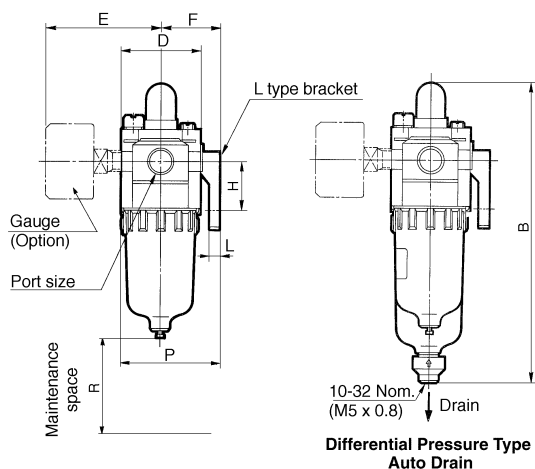
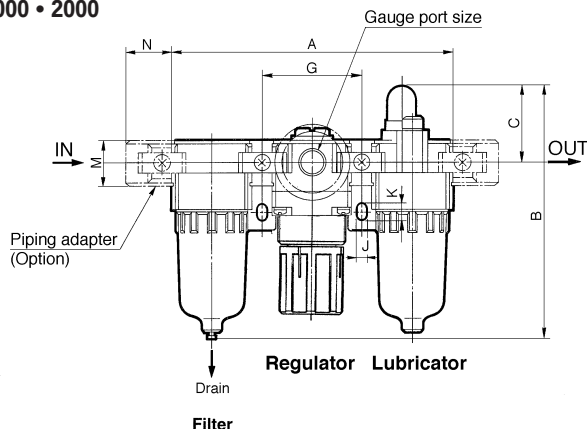
Piping

Warning: When mounting check valve, make sure of the position of the $\triangleright$ mark which indicates air flow direction.

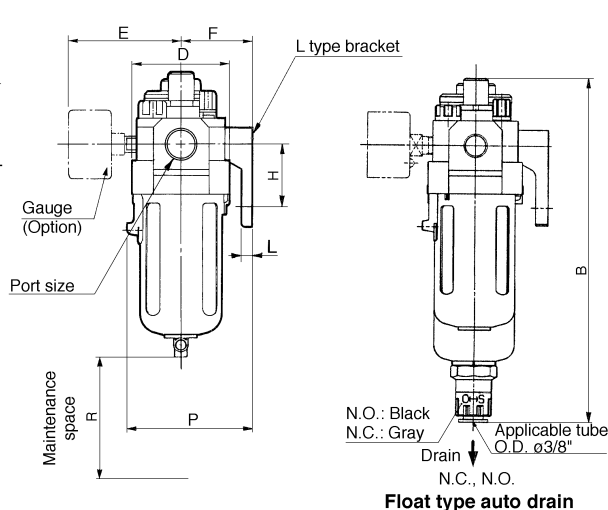
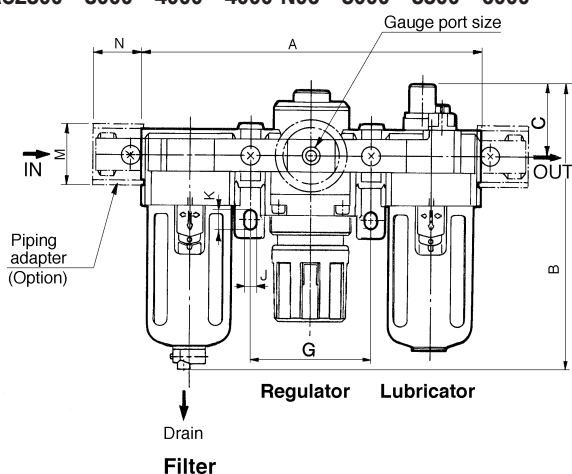
Dimensions

NAC1000, 2000, 2500, 3000, 4000, 5000, 5500, 6000

NAC1000 • 2000



NAC2500 • 3000 • 4000 • 4000-N06 • 5000 • 5500 • 6000



Type	Port size	A	B	C	D	Bracket mounting size							M	N	P	R	With auto drain	
						E	F	G	H	J	K	L					Float type	Differential pressure
NAC1000	M5 X 0.8	3.58 (91)	3.33 (84.5)	1.00 (25.5)	.98 (25)	1.02 (26)	.98 (25)	1.30 (33)	.79 (20)	.18 (4.5)	.30 (7.5)	.20 (5)	.69 (17.5)	.63 (16)	1.52 (38.5)	1.97 (50)	—	4.13 (105)
NAC2000	1/8, 1/4	5.51 (140)	4.90 (124.5)	1.50 (38)	1.57 (40)	2.28 (58)	1.18 (30)	1.97 (50)	.94 (24)	.22 (5.5)	.33 (8.5)	.20 (5)	.87 (22)	.91 (23)	1.97 (50)	3.15 (80)	—	5.81 (147.5)
NAC2500	1/4, 3/8	7.13 (181)	6.02 (153)	1.50 (38)	2.09 (53)	2.44 (62)	1.61 (41)	2.52 (64)	1.38 (35)	.28 (7)	.43 (11)	.28 (7)	1.35 (34.2)	1.02 (26)*	2.78 (70.5)	3.15 (80)	7.64 (194)	—
NAC3000	1/4, 3/8	7.13 (181)	6.02 (153)	1.50 (38)	2.09 (53)	2.44 (62)	1.61 (41)	2.52 (64)	1.38 (35)	.28 (7)	.43 (11)	.28 (7)	1.35 (34.2)	1.02 (26)*	2.78 (70.5)	3.15 (80)	7.64 (194)	—
NAC4000	1/4, 3/8, 1/2	9.37 (238)	7.40 (188)	1.61 (41)	2.76 (70)	2.76 (70)	1.97 (50)	3.31 (84)	1.57 (40)	.35 (9)	.51 (13)	.28 (7)	1.66 (42.2)	1.30 (33)*	3.46 (88)	4.13 (105)	9.02 (229)	—
NAC4000-06	3/4	9.96 (253)	7.46 (189.5)	1.59 (40.5)	2.76 (70)	2.91 (74)	1.97 (50)	3.50 (89)	1.57 (40)	.35 (9)	.51 (13)	.28 (7)	1.82 (46.2)	1.42 (36)	3.46 (88)	4.13 (105)	9.07 (230.5)	—
NAC5000	3/4, 1	11.81 (300)	10.55 (268)	1.89 (48)	3.54 (90)	3.15 (80)	2.76 (70)	4.13 (105)	1.97 (50)	.47 (12)	.63 (16)	.39 (10)	2.17 (55.2)	1.57 (40)	4.25 (108)	4.13 (105)	12.19 (309.5)	—
NAC5500	1	12.20 (310)	11.10 (282)	1.89 (48)	3.74 (95)	3.15 (80)	2.76 (70)	4.13 (105)	1.97 (50)	.47 (12)	.63 (16)	.39 (10)	2.17 (55.2)	1.57 (40)	4.25 (108)	4.13 (105)	12.74 (323.5)	—
NAC6000	1	12.40 (315)	11.10 (282)	1.89 (48)	3.74 (95)	3.25 (82.5)	2.76 (70)	4.33 (110)	1.97 (50)	.47 (12)	.63 (16)	.39 (10)	2.17 (55.2)	1.57 (40)	4.25 (108)	4.13 (105)	12.74 (323.5)	—

Option**

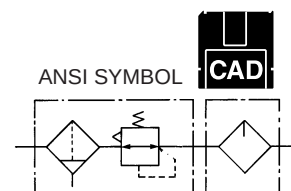
Type	Barb Fitting B	With drain guide B	Metal bowl B	Metal bowl with level gauge
NAC1000	—	—	3.33 (84.5)	—
NAC2000	—	—	4.92 (125)	—
NAC2500	6.36 (161.5)	6.26 (159)	6.54 (166)	7.32 (186)
NAC3000	6.36 (161.5)	6.26 (159)	6.54 (166)	7.32 (186)
NAC4000	7.74 (196.5)	7.67 (194)	7.91 (201)	8.70 (221)
NAC4000-06	7.8 (198)	7.7 (195.5)	7.97 (202.5)	8.76 (222.5)
NAC5000	10.89 (276.5)	10.79 (274)	11.06 (281)	11.85 (301)
NAC5500	11.44 (290.5)	11.34 (288)	11.61 (295)	12.4 (315)
NAC6000	11.44 (290.5)	11.34 (288)	11.61 (295)	12.4 (315)

* For piping adapter NAC2500/3500, port size 1/2: 1.57 (40)
For NAC4000, port size 3/4: 1.97 (50)

** For option (with barb fitting, with drain guide, metal bowl, with level gauge), body length (B dimension) is different.



NAC1000 ——— SAC1000, #1 + #2 + #3 + #13
NAC2000 ——— SAC2000, #1 + #2 + #3 + #13
NAC2500, 3000 ——— SAC2503, #1 + #2 + #3 + #13
NAC4000 ——— SAC4000, #1 + #2 + #3 + #13
NAC4000-06 ——— SAC4006, #1 + #2 + #3 + #13
NAC5000 ——— SAC5000, #1 + #2 + #3 + #13
NAC6000 ——— SAC6000, #1 + #2 + #3 + #13



Specifications (for "How To Order" see page 13)

Model		NAC1010	NAC2010	NAC3010	NAC4010	NAC4010-N06
Combination	Filter/Regulator	NAW1000	NAW2000	NAW3000	NAW4000	NAW4000-N06
	Lubricator	NAL1000	NAL2000	NAL3000	NAL4000	NAL4000-N06
Port size NPT		10-32 Nom. (M5)	1/8 • 1/4	1/4 • 3/8	1/4 • 3/8 • 1/2	3/4
Port size for pressure gauge		1/16 Rc(PT)	1/8 NPT	1/8 NPT	1/4 NPT	1/4 NPT
Proof pressure psig (MPa)		220 (1.5)				
Max. operating pressure psig (MPa)		150 (1.0)				
Regulating range psig (MPa)		7~100 (0.05 ~ 0.7)	7~120 (0.05 ~ 0.85)			
Max. Flow Rate scfm*		3 (M5)	17.5 (1/4)	60 (3/8)	106 (1/2)	106 (3/4)
Ambient and media temperature		23° ~140° F (-5° ~ 60° C)				
Filtration		5µm				
Recommended oil		Turbine Oil #1 ISO VG32				
Bowl material		Polycarbonate				
Construction of filter/regulator		Relieving style				
Weight lbs.		0.48	1.46	2.16	4.26	4.39
Accessories (standard)	Bowl guard	—	●	●	●	●
	Bracket	B110T	B210T	B310T	B410T	B510T

* Conditions: Supply pressure - (100 psig), Setting pressure - (70 psig).

Attachments/Accessories (Optional)

Type		Part No.				
		NAC1010	NAC2010	NAC3010	NAC4010	NAC4010-N06
Attachments	Check valve***	—	NAKM2000-□01 □02	NAKM3000- (□01) □02	NAKM4000- (□02) □03	—
	Shut-off valve	—	NVHS2000-□01 □02	NVHS3000-□02 □03	NVHS4000-□02 □03 □04	—
	Lock-out valve	—	NVHS2500-□01 □02	NVHS5500-□02 □03	NVHS4500-□02 □03 □04	—
Accessories	Spacer	Y10	Y20	Y30	Y40	Y50
	Piping adaptor**	E10-M5	E20-□01 □02 □03	E30-□02 □03 □04	E40-□03 □04 □06	E50-N06
	Pressure gauge	G27-P10-R1	K40A-MP1.0-N01M	K40A-MP1.0-N01M	K50A-MP1.0-N02M	K50A-MP1.0-N02M
	Float type	N.O.	—	NAD43	NAD44	NAD44
		N.C.	—	NAD53	NAD54	NAD54
	Differential pressure auto drain*	NAD61	NAD62-C	—	—	—

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

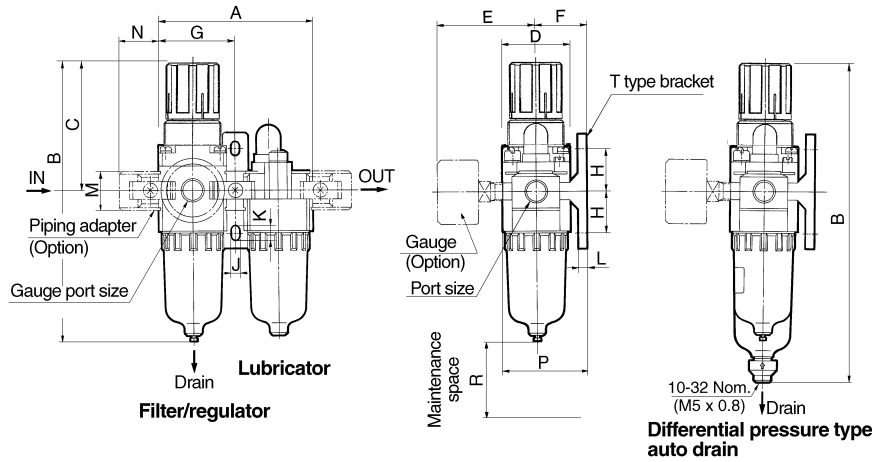
**Port size: M5 = M5 x 0.8, □01 = 1/8, □02 = 1/4, □03 = 3/8, □04 = 1/2, □06 = 3/4

***Standard port size without ()

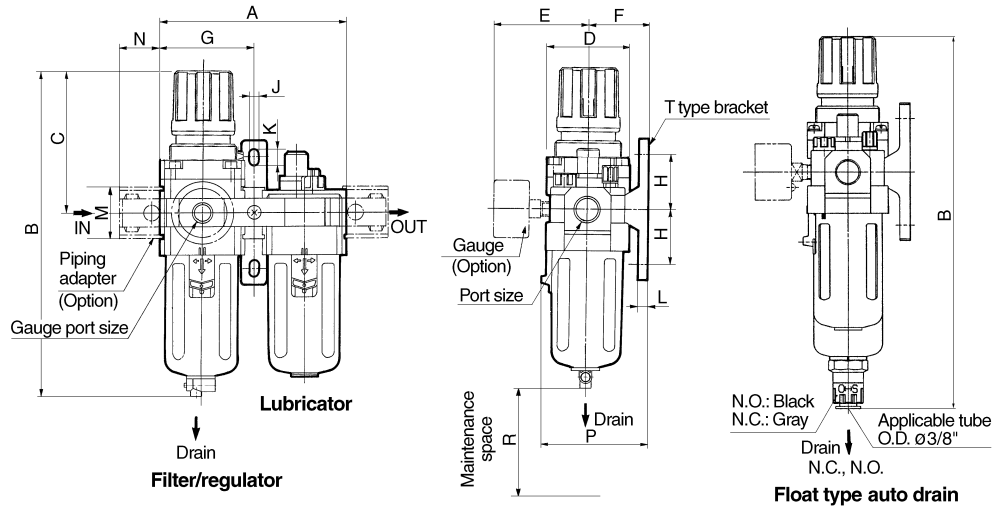
Filter+Regulator+Lubricator
NAC1010, 2010, 3010, 4010

Dimensions (mm)

NAC1010/NAC2010



NAC3010/4010



Model	Port size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	Float	Differential pressure
																	B	B
NAC1010	10-32 Nom(M5)	2.28 (58)	4.31 (109.5)	1.99 (50.5)	0.98 (25)	1.02 (26)	0.98 (25)	1.14 (29)	0.79 (20)	0.18 (4.5)	0.30 (7.5)	0.20 (5)	0.69 (17.5)	0.63 (16)	1.52 (38.5)	1.97 (50)	—	5.12 (130)
NAC2010	1/8• 1/4	3.54 (90)	6.48 (164.5)	3.07 (78)	1.57 (40)	2.28 (58)	1.18 (30)	1.77 (45)	0.94 (24)	0.22 (5.5)	0.33 (8.5)	0.20 (5)	0.87 (22)	0.91 (23)	1.97 (50)	3.15 (80)	—	7.38 (187.5)
NAC3010	1/4• 3/8	4.61 (117)	8.17 (207.5)	3.64 (92.5)	2.09 (53)	2.44 (62)	1.61 (41)	2.30 (58.5)	1.38 (35)	0.28 (7)	0.43 (11)	0.28 (7)	1.35 (34.2)	1.02 *(26)	2.78 (70.5)	3.15 (80)	9.78 (248.5)	—
NAC4010	1/4• 3/8 • 1/2	6.06 (154)	10.20 (259)	4.41 (112)	2.76 (70)	2.76 (70)	1.97 (50)	3.03 (77)	1.57 (40)	0.35 (9)	0.51 (13)	0.28 (7)	1.66 (42.2)	1.30 *(33)	3.46 (88)	4.13 (105)	11.8 (300)	—
NAC4010-N06	3/4	6.46 (164)	10.35 (263)	4.49 (114)	2.76 (70)	2.91 (74)	1.97 (50)	3.23 (82)	1.57 (40)	0.35 (9)	0.51 (13)	0.28 (7)	1.82 (46.2)	1.42 (36)	3.46 (88)	4.13 (105)	11.97 (304)	—

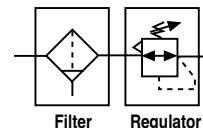
*Piping adapter with 1/2" port used on NAC3010 is 1.57 (40). Piping adapter with 3/4" port used on NAC4010 is 1.97 (50).

Semi-standard type

Model	Metal Bowl	Metal bowl with level gauge
	B	B
NAC1010	4.31 (109.5)	—
NAC2010	6.48 (164.5)	—
NAC3010	8.68 (220.5)	9.47 (240.5)
NAC4010	10.71 (272)	11.50 (292)
NAC4010-N06	10.89 (276.5)	11.67 (296.5)



ANSI Symbol



Filter Regulator



Specifications (for "How to Order" see page 13)

Specifications for New to Order. See page 107

Model		NAC1020	NAC2020	NAC2520	NAC3020	NAC4020	NAC4020-06	NAC5020	NAC5520	NAC6020
Combination	Air filter	NAF1000	NAF2000	NAF3000	NAF3000	NAF4000	NAF4000-06	NAF5000	NAF6000	NAF6000
	Regulator	NAR1000	NAR2000	NAR2500	NAR3000	NAR4000	NAR4000-06	NAR5000	NAR5000	NAR6000
Port size NPT		M5X0.8	1/8 • 1/4	1/4 • 3/8	1/4 • 3/8	1/4 • 3/8 • 1/2	3/4	3/4 • 1	1	1
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	1/4 NPT
Proof pressure psig (MPa)		220 (1.5)								
Max. op. pres. psig (MPa)		150 (1.0)								
Regulating range psig (MPa)		7~100 (0.05 ~ 0.7)	7~120 (0.05 ~ 0.85)							
Max. flow rate scfm*		3.5 (M5)	19.5 (1/4)	53 (3/8)	71 (3/8)	141 (1/2)	176.5 (3/4)	212 (3/4)	247 (1)	282.5 (1)
Ambient and media temp.		23° ~140° F (-5 ~ 60° C)								
Filtration		5µm								
Bowl Material		Polycarbonate								
Construction/Regulator		Relieving style								
Weight lbs.		0.46	1.19	1.50	1.81	3.55	3.77	5.50	5.80	6.37
Accessories (standard)	Bowl guard	—	●	●	●	●	●	●	●	●
	T-type bracket	B110T	B210T	B310T	B310T	B410T	B510T	B610T	B610T	B610T

* Conditions: Supply pressure - (100psig), Setting pressure - (70psig).

Attachments/Accessories (Optional)

Type		Part No.								
		NAC1020	NAC2020	NAC2520	NAC3020	NAC4020	NAC4020-N06	NAC5020	NAC5520	NAC6020
Attachments	Pressure switch	—	NIS1000M-2	NIS1000M-3	NIS1000M-3	NIS1000M-4	NIS1000M-5	NIS1000M-6	NIS1000M-6	NIS1000M-6
	T-Type spacer***	Y11-M5	Y21 □01 (□02)	Y31 (□01) □02	Y31 (□01) □02	Y41 (□02) □03	Y51 (□02) □03	Y61 □03 (□04) □04	Y61 (□03) □04	Y61 (□03) □04
	Shut-off valve	—	NVHS2000-□01 □02	NVHS3000-□02 □03	NVHS3000-□02 □03	NVHS4000-□03 □04	—	—	—	—
	Lock-out valve	—	NVHS2500-□01 □02	NVHS3500-□02 □03	NVHS3500-□02 □03	NVHS4500-□03 □04	—	NVHS5500-□06 □10	NVHS5500-□06 □10	NVHS5500-□06 □10
	Spacer	Y10	Y20	Y30	Y30	Y40	Y50	Y60	Y60	Y60
Accessories	Piping adaptor**	E10-M5	E20- □01 □02 □03	E30- □02 □03 □04	E30- □02 □03 □04	E40- □03 □04 □06	E50- □06	E60- □06 □10	E60- □06 □10	E60- □06 □10
	Pressure gauge	G27-P10-R1	K40A-MP1.0-NO1M	K40A-MP1.0-NO1M	K40A-MP1.0-NO1M	K50A-MP1.0-NO2M	K50A-MP1.0-NO2M	K50A-MP1.0-NO2M	K50A-MP1.0-NO2M	K50A-MP1.0-NO2M
	Float auto drain*	N.O. —	—	NAD43	NAD43	NAD44	NAD44	NAD44	NAD44	NAD44
	N.C.	—	—	NAD53	NAD53	NAD54	NAD54	NAD54	NAD54	NAD54
	Differential pressure auto drain	NAD61	NAD62-C	—	—	—	—	—	—	—

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

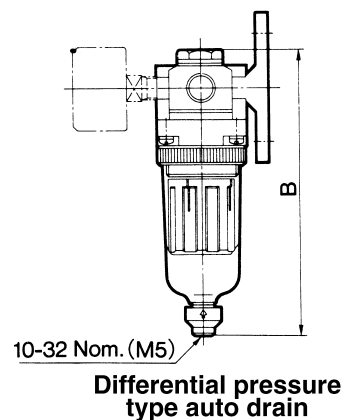
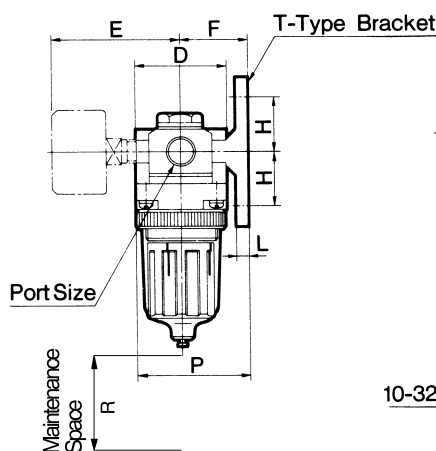
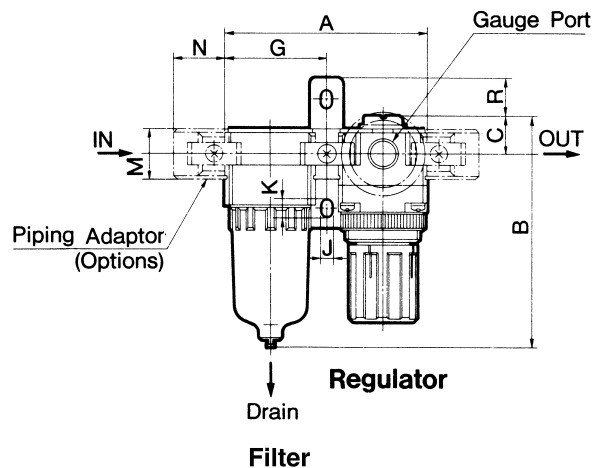
Port size: M5 = M5 x 0.8, □01 = 1/8, □02 = 1/4, □03 = 3/8, □04 = 1/2, □06 = 3/4, □10 = 1

***Standard port size without ()

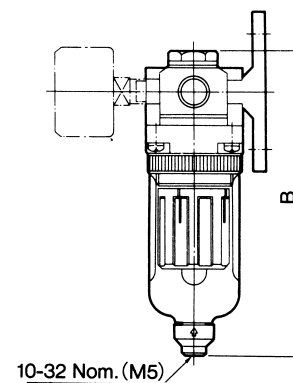
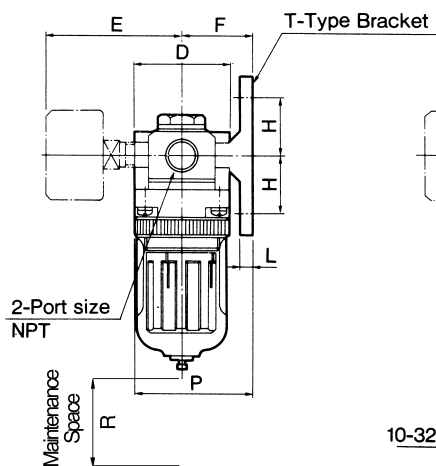
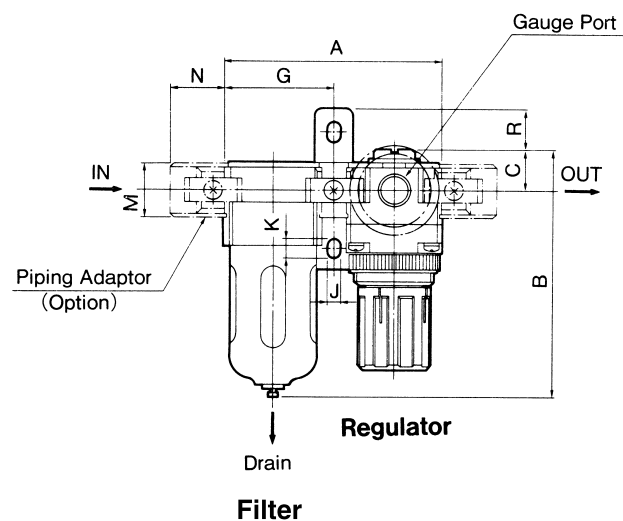
Filter+Regulator

NAC1020, 2020, 2520, 3020, 4020, 5020, 5520, 6020

NAC1020



NAC2020



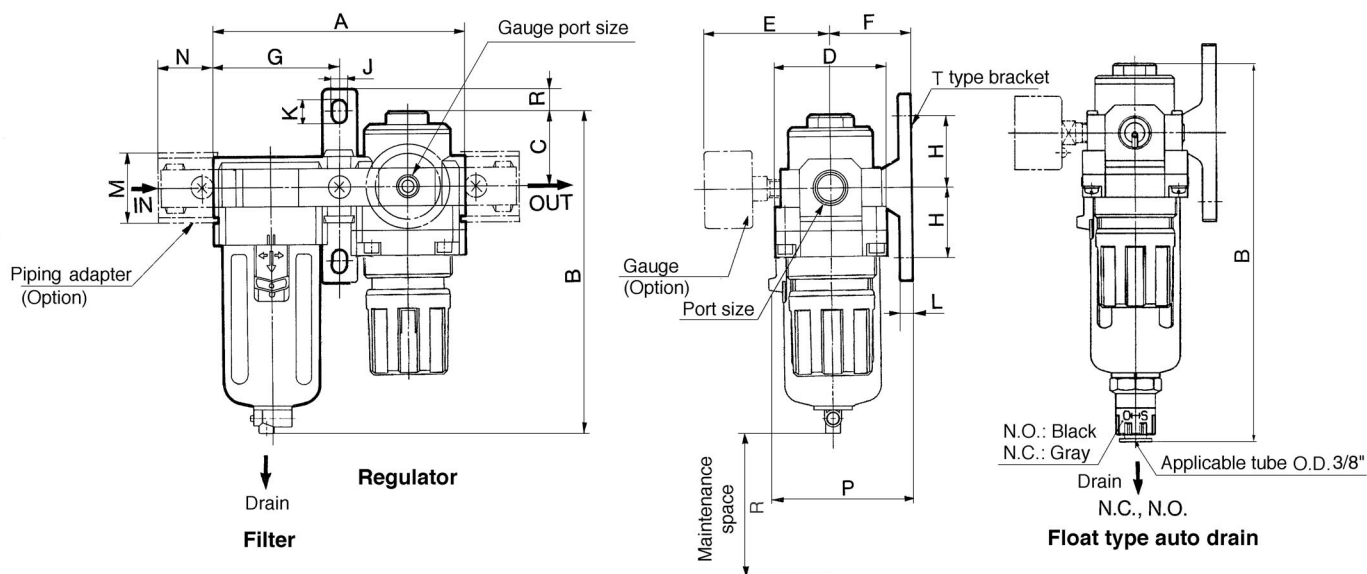
Differential pressure
type auto drain

Model	Port size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	With auto drain	
																	Float	Differential pressure
																	B	B
NAC1020	10-32 Nom (M5)	2.28 (58)	2.76 (70)	0.43 (11)	0.98 (25)	1.02 (26)	0.98 (25)	1.14 (29)	0.79 (20)	0.18 (4.5)	0.30 (7.5)	0.20 (5)	0.69 (17.5)	0.63 (16)	1.52 (38.5)	0.63 (16)	—	3.56 (90.5)
NAC2020	1/8 • 1/4	3.54 (90)	4.07 (103.5)	0.67 (17)	1.57 (40)	2.28 (58)	1.18 (30)	1.77 (45)	0.94 (24)	0.22 (5.5)	0.33 (8.5)	0.20 (5)	0.87 (22)	0.91 (23)	1.97 (50)	0.63 (16)	—	4.98 (126.5)

Semi-standard type

Model	Metal Bowl	Metal bowl with level gauge
	B	B
NAC1020	2.76 (70)	—
NAC2020	4.07 (103.5)	—

NAC2520 • 3020 • 4020 • 5020 • 5520 • 6020



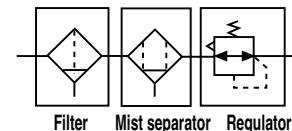
Model	Port size NPT	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	Auto drain	
																	Float	Differential pressure
NAC2520	1/4 • 3/8	4.61 (117)	5.51 (140)	0.98 (25)	2.09 (53)	2.44 (62)	1.61 (41)	2.30 (58.5)	1.38 (35)	0.28 (7)	0.43 (11)	0.28 (7)	1.35 (34.2)	1.02 *(26)	2.78 (70.5)	0.79 (20)	7.13 (181)	—
NAC3020	1/4 • 3/8	4.61 (117)	5.91 (150)	1.38 (35)	2.09 (53)	2.44 (62)	1.61 (41)	2.30 (58.5)	1.38 (35)	0.28 (7)	0.43 (11)	0.28 (7)	1.35 (34.2)	1.02 *(26)	2.78 (70.5)	0.40 (10)	7.52 (191)	—
NAC4020	1/4 • 3/8 • 1/2	6.06 (154)	7.26 (184.5)	1.47 (37.5)	2.76 (70)	2.76 (70)	1.97 (50)	3.03 (77)	1.57 (40)	0.35 (9)	0.51 (13)	0.28 (7)	1.66 (42.2)	1.30 *(33)	3.46 (88)	0.49 (12.5)	8.88 (225.5)	—
NAC4020-N06	3/4	6.46 (164)	7.46 (189.5)	1.59 (40.5)	2.76 (70)	2.91 (74)	1.97 (50)	3.23 (82)	1.57 (40)	0.35 (9)	0.51 (13)	0.28 (7)	1.82 (46.2)	1.42 (36)	3.46 (88)	0.37 (9.5)	9.07 (230.5)	—
NAC5020	3/4 • 1	7.68 (195)	10.55 (268)	1.89 (48)	3.54 (90)	3.15 (80)	2.76 (70)	3.84 (97.5)	1.97 (50)	.47 (12)	.63 (16)	.39 (10)	2.17 (55.2)	1.57 (40)	4.53 (115)	.57 (14.5)	12.19 (309.5)	—
NAC5520	1	7.87 (200)	11.10 (282)	1.89 (48)	3.74 (95)	3.15 (80)	2.76 (70)	4.04 (102.5)	1.97 (50)	.47 (12)	.63 (16)	.39 (10)	2.17 (55.2)	1.57 (40)	4.63 (117.5)	.57 (14.5)	12.74 (323.5)	—
NAC6020	1	8.07 (205)	11.10 (282)	1.89 (48)	3.74 (95)	3.25 (82.5)	2.76 (70)	4.04 (102.5)	1.9 (50)	.47 (12)	.63 (16)	.39 (10)	2.17 (55.2)	1.57 (40)	4.63 (117.5)	.57 (14.5)	12.74 (323.5)	—

*Piping adapter with 1/2 port used on NAC 2520 • 3020 is 1.57 (40). Piping adapter with 3/4 port used on NAC 4020 is 1.97 (50).

Filter+Mist Separator+Regulator
NAC2030, 2530, 3030, 4030



ANSI Symbol



Filter Mist separator Regulator

Specifications (for "How to Order" see page 13)

Model		NAC2030	NAC2530	NAC3030	NAC4030	NAC4030-N06
Combination	Air Filter	NAF2000	NAF3000	NAF3000	NAF4000	NAF4000-N06
	Regulator	NAR2000	NAR2500	NAR3000	NAR4000	NAR4000-N06
	Mist separator	NAFM2000	NAFM3000	NAFM3000	NAFM4000	NAFM4000-N06
Port size NPT		1/8 • 1/4	1/4 • 3/8	1/4 • 3/8	1/4 • 3/8 • 1/2	3/4
Port size for pressure gauge		1/8 NPT	1/8 NPT	1/8 NPT	1/4 NPT	1/4 NPT
Proof pressure psig (MPa)		220 (1.5)				
Max. operating pressure psig (MPa)		150 (1.0)				
Regulating range psig (MPa)		7~120 (0.05 ~ 0.85)				
Max. Flow Rate scfm*		7	16	16	39	39
Ambient and media temperature		23° ~140° F (-5 ~ 60° C)				
Filtration		NAF: 5µm, NAFM: 0.3µm				
Oil mist removal rate		More than 99.9%				
Bowl material		Polycarbonate				
Construction/Regular		Relieving style				
Weight lbs.		1.57	2.27	2.58	4.87	5.42
Accessories (standard)	Bowl guard	●	●	●	●	●
	Bracket	B210L	B310L	B310L	B410L	B510L

* Conditions: Supply pressure - (100psig), Setting pressure - (70psig).

Attachments/Accessories (Optional)

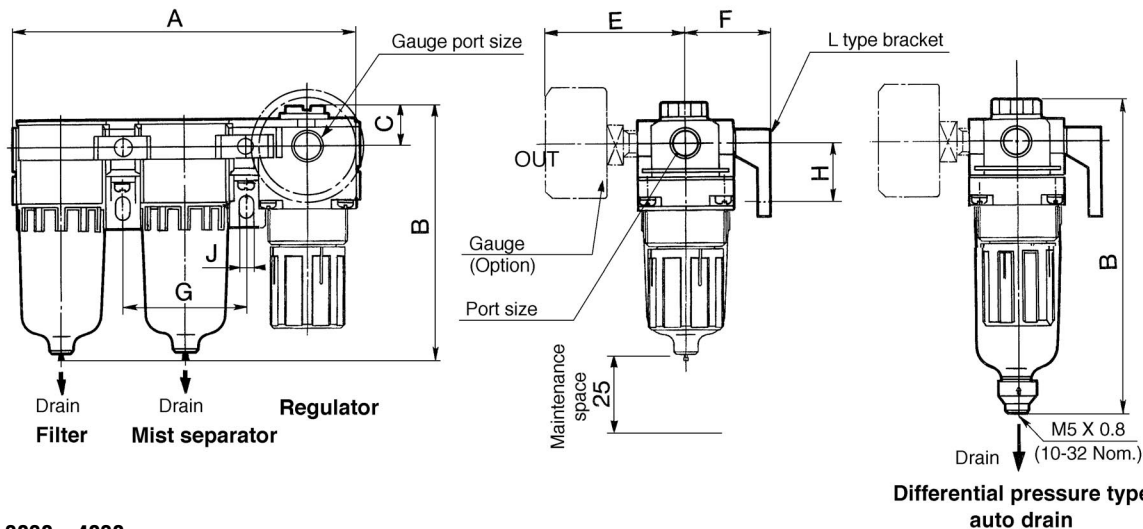
Type		Part No.				
		NAC2030	NAC2530	NAC3030	NAC4030	NAC4030-06
Attachments	Pressure switch	NIS1000M-2Y	NIS1000M-3Y	NIS1000M-3Y	NIS1000M-4Y	NIS1000M-5Y
	T-Type spacer	Y21- □01 □02	Y31- □01 □02	Y31- □01 □02	Y41- □02 □03	Y41- □02 □03
	Shut-off valve	NVHS2000- □01 □02	NVHS3000- □02 □03	NVHS3000- □02 □03	NVHS4000- □02 □03 □04	—
	Lock-out valve	NVHS2500- □01 □02	NVHS3500- □02 □03	NVHS3500- □02 □03	NVHS4500- □02 □03 □04	—
Accessories	Type bracket	B210T	B310T	B310T	B410T	B510T
	Spacer	Y20	Y30	Y30	Y40	Y50
	Piping adaptor**	E20- □01 □02 □03	E30- □02 □03 □04	E30- □02 □03 □04	E40- □02 □03 □04 □06	E50-□06
	Pressure gauge	K40A-MP1.0-N01M	K40A-MP1.0-N01M	K40A-MP1.0-N01M	K50A-MP1.0-N02M	K50A-MP1.0-N02M
	Float type auto drain*	N.O.	—	NAD43	NAD44	NAD44
		N.C.	—	NAD53	NAD54	NAD54
	Differential pressure auto drain	NAD62-C	—	—	—	—

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

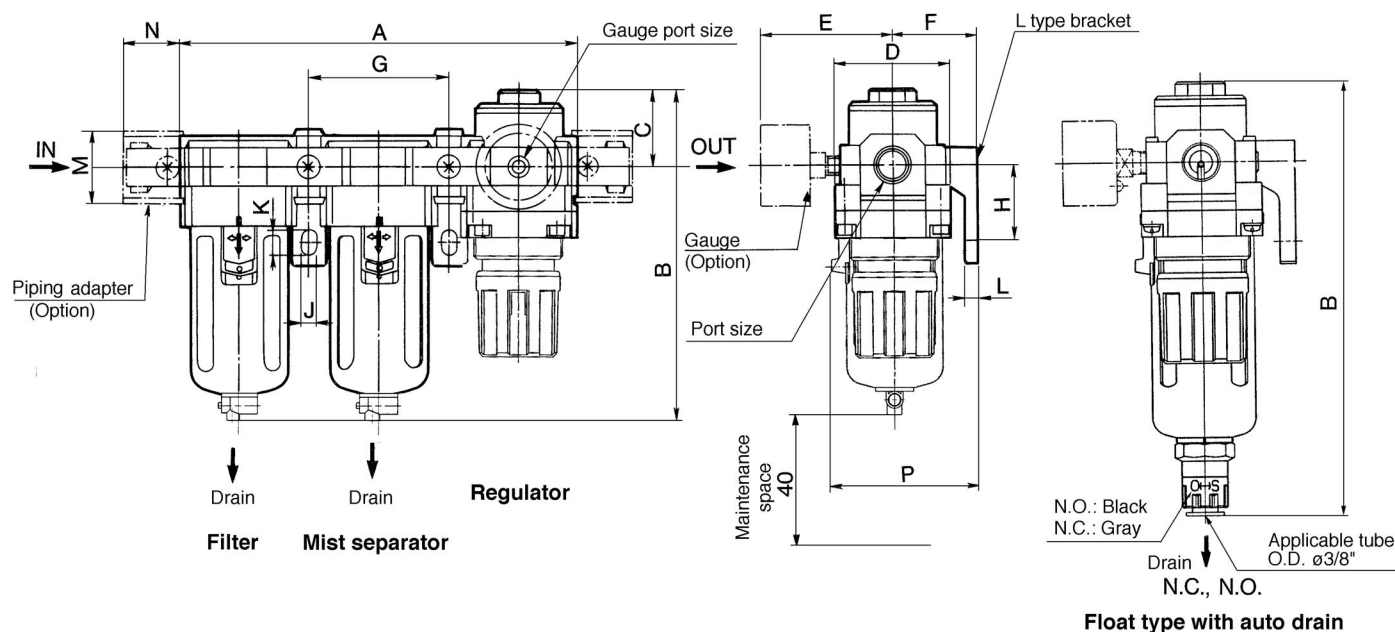
** Port size: □01 = 1/8, □02 = 1/4, □03 = 3/8, □04 = 1/2, □06 = 3/4

*** Standard port size without ()

NAC2030



NAC2530 • 3030 • 4030



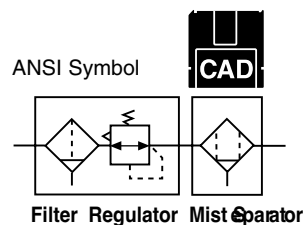
Model	Port size (NPT)	A	B	C	D	E	F	G	H	J	K	L	M	N	P	With auto drain	
																Float	Differential pressure
																B	B
NAC2030	1/8 • 1/4	5.51 (140)	4.07 (103.5)	0.67 (17)	1.57 (40)	2.28 (58)	1.18 (30)	1.97 (50)	0.94 (24)	0.22 (5.5)	0.33 (8.5)	0.20 (5)	0.87 (22)	0.91 (23)	1.97 (50)	—	4.98 (126.5)
NAC2530	1/4 • 3/8	7.13 (181)	5.51 (140)	0.98 (25)	2.09 (53)	2.44 (62)	1.61 (41)	2.52 (64)	1.38 (35)	0.28 (7)	0.43 (11)	0.28 (7)	1.35 (34.2)	1.02 (26)	2.78 (70.5)	7.13 (181)	—
NAC3030	1/4 • 3/8	7.13 (181)	5.91 (150)	1.38 (35)	2.09 (53)	2.44 (62)	1.61 (41)	2.52 (64)	1.38 (35)	0.28 (7)	0.43 (11)	0.28 (7)	1.35 (34.2)	1.02 (26)	2.78 (70.5)	7.52 (191)	—
NAC4030	1/4 • 3/8 • 1/2	9.37 (238)	7.26 (184.5)	1.48 (37.5)	2.76 (70)	2.76 (70)	1.97 (50)	3.31 (84)	1.57 (40)	0.35 (9)	0.51 (13)	0.28 (7)	1.67 (42.5)	1.30 (33)	3.46 (88)	8.88 (225.5)	—
NAC4030-N06	3/4	9.96 (253)	7.46 (189.5)	1.59 (40.5)	2.76 (70)	2.91 (74)	1.97 (50)	3.50 (89)	1.57 (40)	0.35 (9)	0.51 (13)	0.28 (7)	1.82 (46.2)	1.42 (36)	3.46 (88)	9.07 (230.5)	—

*Piping adapter with 1/2 port used on NAC 2530 • 3030 is 1.57 (40). Piping adapter with 3/4 port used on NAC 4030 is 1.97 (50).

Semi-standard type

Model	Metal bowl B	Metal bowl with level gauge B
NAC2030	4.07 (103.5)	—
NAC2530	6.02 (153)	6.81 (173)
NAC3030	6.42 (163)	7.20 (183)
NAC4030	7.78 (197.5)	8.56 (217.5)
NAC4030-N06	7.97 (202.5)	8.76 (222.5)

Filter/Regulator + Mist Separator
NAC2040, 3040, 4040



Specifications (for "How to Order" see page 13)

Model		NAC2040	NAC3040	NAC4040	NAC4040-N06
Combination	Filter regulator	NAW2000	NAW3000	NAW4000	NAW4000-06
	Mist separator	NAFM2000	NAFM3000	NAFM4000	NAFM4000-N06
Port size NPT		1/8 • 1/4	1/4 • 3/8	1/4 • 3/8 • 1/2	3/4
Port size for pressure gauge		1/8 NPT	1/8 NPT	1/4 NPT	1/4 NPT
Proof pressure psig (MPa)		220 (1.5)			
Max. operating pressure psig (MPa)		150 (1.0)			
Regulating range psig		7~120 (0.05 ~ 0.85)			
Max. flow rate scfm*		5	11.8	28	28
Ambient and media temperature		23° ~140° F (-5 ~ 60° C)			
Filtration		AW: 5µm, NAFM: 0.3µm			
Oil mist removal rate		More than 99.9%			
Bowl material		Polycarbonate			
Construction of filter/regulator		Relieving style			
Weight lbs.		1.39	2.14	4.21	4.39
Accessories (standard)	Bowl guard	●	●	●	●
	Bracket	B210T	B310T	B410T	B510T

* Conditions: Supply pressure - (100psig), Setting pressure - (70psig).

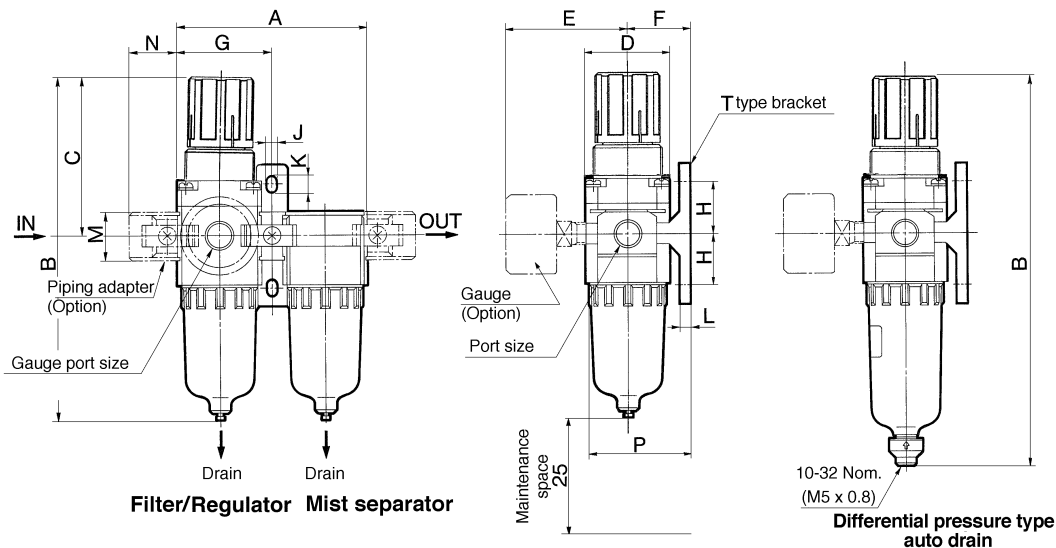
Attachments/Accessories (Optional)

Type		Part No.			
		NAC2040	NAC3040	NAC4040	NAC4040-N06
Attachments	Lock-out valve	NVHS2500-□01	NVHS3500-□02	NVHS4500-□02	—
		□02	□03	□04	
	Shut-off valve	NVHS2000-□01	NVHS3000-□02	NVHS4000-□02	—
Accessories		□02	□03	□03	
	Cross spacer	Y24-□01	Y34-□01	Y44-□02	Y54-□03
		□02	□02	□03	□04
	Spacer	Y20	Y30	Y40	Y50
	Piping adaptor**	E20-□01	E30-□02	E40-□02	E50-□06
		□02	□03	□03	
Accessories		□03	□04	□06	
	Pressure gauge	K40A-MP1.0-N01M	K40A-MP1.0-N01M	K50A-MP1.0-N02M	K50A-MP1.0-N02M
	Float auto drain*	N.O.	NAD43	NAD44	NAD44
		N.C.	NAD53	NAD54	NAD54
Differential pressure type auto drain		NAD62-C	—	—	—

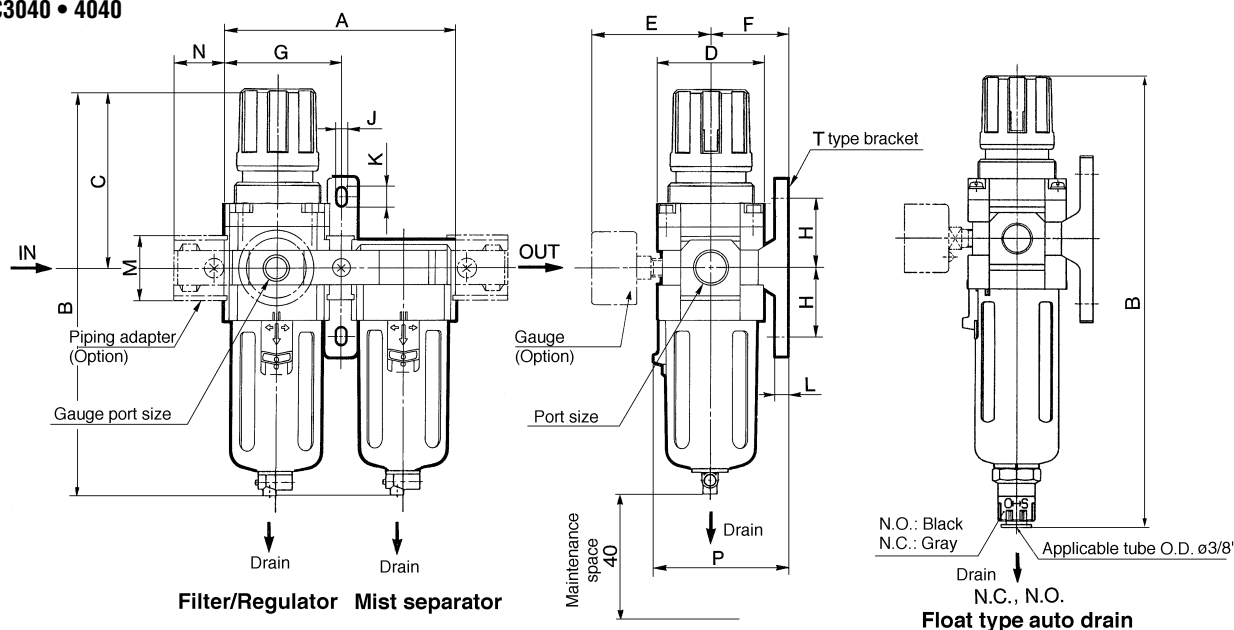
* Min. operating pressure: N.O. - (15psig), N.C. - (22psig).

Port size: M5 = M5 x 0.8, □01 = 1/8, □02 = 1/4, □03 = 3/8, □04 = 1/2, □06 = 3/4

NAC2040



NAC3040 • 4040



Model	Port size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Float	Differential pressure
																B	B
NAC2040	1/8• 1/4	3.54 (90)	6.48 (164.5)	3.07 (78)	1.57 (40)	2.28 (58)	1.18 (30)	1.77 (45)	0.94 (24)	0.22 (5.5)	0.33 (8.5)	0.20 (5)	0.87 (22)	0.91 (23)	1.97 (50)	—	7.38 (187.5)
NAC3040	1/4• 3/8	4.61 (117)	8.17 (207.5)	3.64 (92.5)	2.09 (53)	2.44 (62)	1.61 (41)	2.30 (58.5)	1.38 (35)	0.28 (7)	0.43 (11)	0.28 (7)	1.35 (34.2)	1.02 *(26)	2.78 (70.5)	9.78 (248.5)	—
NAC4040	3/8• 1/2	6.06 (154)	10.20 (259)	4.41 (112)	2.76 (70)	2.76 (70)	1.97 (50)	3.03 (77)	1.57 (40)	0.35 (9)	0.51 (13)	0.28 (7)	1.66 (42.2)	1.30 *(33)	3.46 (88)	11.81 (300)	—
NAC4040-N06	3/4	6.46 (164)	10.35 (263)	4.49 (114)	2.76 (70)	2.91 (74)	1.97 (50)	3.23 (82)	1.57 (40)	0.35 (9)	0.51 (13)	0.28 (7)	1.82 (46.2)	1.42 (36)	3.46 (88)	11.97 (304)	—

*Piping adapter with 1/2" port used on NAC3040 is 1.57 (40). Piping adapter with 3/4" port used on NAC4040 is 1.97 (50).

Semi-standard type

Model	Metal Bowl	Metal bowl with level gauge
	B	B
NAC2040	6.48 (164.5)	—
NAC3040	8.68 (220.5)	9.47 (240.5)
NAC4040	10.71 (272)	11.50 (292)
NAC4040-N06	10.89 (276.5)	11.67 (296.5)