

Air Preparation Equipment

SMC provides *solutions* for all your Modular and Specialty Air Preparation Equipment requirements.

Our Modular System ensures:




- Cost effective and clean looking solutions, whether in combined assemblies or installed as stand-alone units.
- Energy savings, with higher flow rates and eight size options to ensure optimum performance for every application.
- Cleaner environment with small Micron Filtration as standard to meet every application need.
- Reduced downtime with simple assembly and maintenance.



SMC delivers exceptional customer value either through our dedicated Distributor Network or Direct Sales Force.

- SMC offers customers the highest quality products at a competitive price, supported by a first class nationwide service from the moment you make contact with us.
- Upon request, our Sales Engineers or Distributor representatives will visit to discuss your immediate or future Air Preparation and Pneumatics needs.
- When you are a SMC customer, you will enjoy dedicated support from your local and National SMC Team.

These safety instructions are intended to prevent a hazardous situation and/or equipment damage. These instructions indicate the level of potential hazard by using the “**Caution**”, “**Warning**” or “**Danger**” label. To ensure safety, be sure to observe ISO4414¹, JIS B 8370² and other safety practices.

 Caution :	Operator error could result in injury or equipment damage.
 Warning :	Operator error could result in serious injury or loss of life.
 Danger :	In extreme conditions, there is a possible result of serious injury or loss of life.

Note 1) ISO4414: Pneumatic fluid power-Recommendations for the application of equipment to transmission and control systems.

Note 2) JIS B 8370: Pneumatic system axiom.

Performance Note:

SMC equipment is designed to meet both North American and International Performance Standards. For maximum operating pressure, this value is 150psi or 1.0Mpa unless noted otherwise.

Warning

① The compatibility of pneumatic equipment is the responsibility of the person who designs the pneumatic system or decides its specifications.

Since the products specified here are used in various operating conditions, their compatibility for the specific pneumatic system must be based on specifications or after analysis and/or tests to meet your specific requirements.

② Only trained personnel should operate pneumatically operated machinery and equipment.

Compressed air can be dangerous if an operator is unfamiliar with it. Assembly, handling, or repair of pneumatic systems should be performed by only trained and experienced operators.

③ Do not service machinery/equipment or attempt to remove any component until safety is confirmed.

1. Inspection and maintenance of machinery/equipment should only be performed after confirmation of safe lock-out control positions.
2. When equipment is to be removed, confirm the safety process as mentioned above. Cut the supply pressure for the equipment and exhaust all residual compressed air in the system.
3. Before machinery/equipment is re-started, take measures to prevent shooting-out of the cylinder piston rod etc. (Bleed air into the system gradually to create back-pressure.)

④ Contact SMC if the product is to be used in any of the following conditions:

1. Conditions and environments beyond the given specifications, or if product is used outdoors.
2. Installation on equipment in conjunction with atomic energy, railway, air navigation, vehicles, medical equipment, food and beverage, recreation equipment, emergency stop circuits, press applications or safety equipment.
3. An application which has the possibility of having negative effects on people, property, or animals, requiring special safety analysis.

Product Selection

 **Warning****① Air Filter Environment**

Standard Filters/Regulators incorporate polycarbonate bowls and/or observation windows. Do NOT use filters in an environment that will expose the above components to synthetic fluids, organic solvents, chemicals, cutting lubricants, thread lock solutions or similar materials.

② Regulator

a) Safety devices shall be placed to prevent secondary (output) pressure from rising past the set pressure. This will ensure that damage to the components on the secondary side will be minimized in the event of a malfunction.

b) Residual pressure will remain on secondary side of regulators when supply is removed. This condition will enable equipment to operate unless system is designed to relieve (exhaust) this pressure; i.e. designer should add components that will exhaust secondary side when supply is removed.

c) Regulator operation may be affected when used in Balanced or Secondary sealed circuits. Please consult SMC regarding these applications.

③ Lubricators

For proper lubricator function, airflow must meet or exceed its minimum flow rate.

④ Drains

For proper Auto Drain operation, the following should be considered:

a) FLOAT TYPE AUTO DRAIN (N.O.)

1. Operating pressure must be greater than 0.1 MPa
2. Compressor capacity is greater than 0.75kw [100 l/m (ANR)]

b) FLOAT TYPE AUTO DRAIN (N.C.)

1. Operating pressure must be greater than 0.15 MPa
2. Compressor capacity may be less than 0.75kw [100 l/m (ANR)]

c) DIFFERENTIAL PRESSURE TYPE AUTO DRAIN

1. Operating pressure must be greater than 0.1 MPa

Product Installation

 **Caution****① Filters/Lubricators**

- a) INSTALL FILTERS AND LUBRICATORS WITH BOWLS IN DOWNWARD DIRECTION — Improper orientation may cause drain malfunctions and make it difficult to check lubricator drip rate.
- b) VERIFY FLOW DIRECTION BEFORE MAKING CONNECTIONS — Reversing connections will cause improper operation.
- c) INSTALL AUTO DRAIN PIPING CORRECTLY —
 1. ALL TYPES
 - (1) Piping slope shall always fall away from drain without low spots
 - (2) Drain hose length shall not exceed 5m
 2. FLOAT TYPE AUTO DRAIN (N.O.)
 - (1) Drain hose inner diameter shall be 6.5mm or greater
 3. FLOAT TYPE AUTO DRAIN (N.C.)
 - (1) Drain hose inner diameter shall be 4mm or greater
 4. DIFFERENTIAL PRESSURE TYPE AUTO DRAIN
 - (1) Drain hose inner diameter shall be 2.5mm or greater
 - (2) Drain hose material shall be soft nylon
- d) AIR SUPPLY — If excessive filter drainage occurs — Install air dryer and water separator before air filter.

⚠ Warning

② Regulators

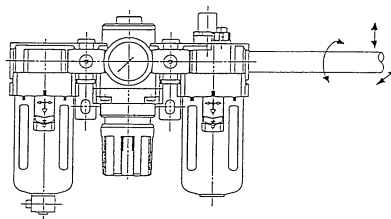
- a) **ADJUST PRESSURE SETTINGS** — Start adjustment from lower than desired pressure level, increase pressure until desired pressure is reached, lock handle to fix setting.
- b) **PRESSURE STABILITY**— Set the secondary pressure of regulator within 85% of nominal supply pressure. This will ensure secondary pressure stability despite nominal supply side pressure variations; e.g. sudden pressure drops.

③ Input/Output Piping — All Components

- a) Always tighten within recommended torque limits (see table). Insufficient or excessive fastening torque may result in leaks and/or damage to threads.

Recommended proper torque							N•m
Connecting thread	M5	1/8	1/4	3/8	1/2	3/4	1
Torque	1.5 to 2	7 to 9	12 to 14	22 to 24	28 to 30	28 to 30	36 to 38

- b) Always retain female side closest to connection when tightening pipe/fittings to avoid damage to modular connection brackets.
- c) F.R.L. components must be isolated from external twist and/or bend moments (See diagram). Proper support of rigid input/output lines must be provided if flexible lines are not used.








⚠ Warning

1. All clear materials should be examined regularly for scratches, cracks, or degradation; e.g. polycarbonate bowls or drip observation windows.
2. Dirt must not be allowed to accumulate on or in filters, bowls, or observation windows.
 - a) Clean with common household detergent.
 - b) Replace bowl if dirt near drain cannot be removed (May obstruct drain)
3. Liquid in bowl must not exceed maximum levels. Failure to purge liquids via drain, may result in liquids entering secondary side. This may cause equipment damage.
 - a) Float type drains may be manually drained by turning handle counter-clockwise.
 - b) Differential type drains may be manually drained by pushing the drain guide in an upward motion.
4. Only use turbine class 1 lubrication oil (W/O additive) ISO VG32 in lubricators.

Standard Combinations

Modular Air Combination Units

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

Model/Series	Port size	Filter NAF	Regulator NAR	Lubricator NAL	Filter Regulator	Mist Separator
	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	
	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
	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		
	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
	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

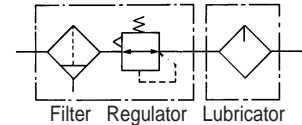
NAC Series

Modular Air Combination Units

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)			7~120 (.05 ~ 0.85)						
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 □02	NAKM3000-□01 □02	NAKM3000-□01 □02	NAKM4000-□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 □02	Y31-□01 □02	Y31-□01 □02	Y41-□02 □03	Y51-□02 □03	Y61-□03 □04	Y61-□03 □04	Y61-□03 □04
	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	—	NVHS5500-□06 □10	NVHS5500-□06 □10	NVHS5500-□06 □10
Accessories	T-Type bracket	B110T	B210T	B310T	B310T	B410T	B510T	B610T	B610T	B610T
	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-□02 □03 □04 □06	E50-□06	□06 □10	□06 □10	□06 □10
	Pressure gauge	G27-P10-R1	K40MP1.0N01M	K40MP1.0N01M	K40MP1.0N01M	K50-MP1.0-N02M	K50-MP1.0-N02M	K50MP1.0N02M	K50MP1.0N02M	K50MP1.0N02M
	Float type auto drain*	N.O.— N.C.—	—	NAD43 NAD53	NAD43 NAD53	NAD44 NAD54	NAD44 NAD54	NAD44 NAD54	NAD44 NAD54	NAD44 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 ().



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	—

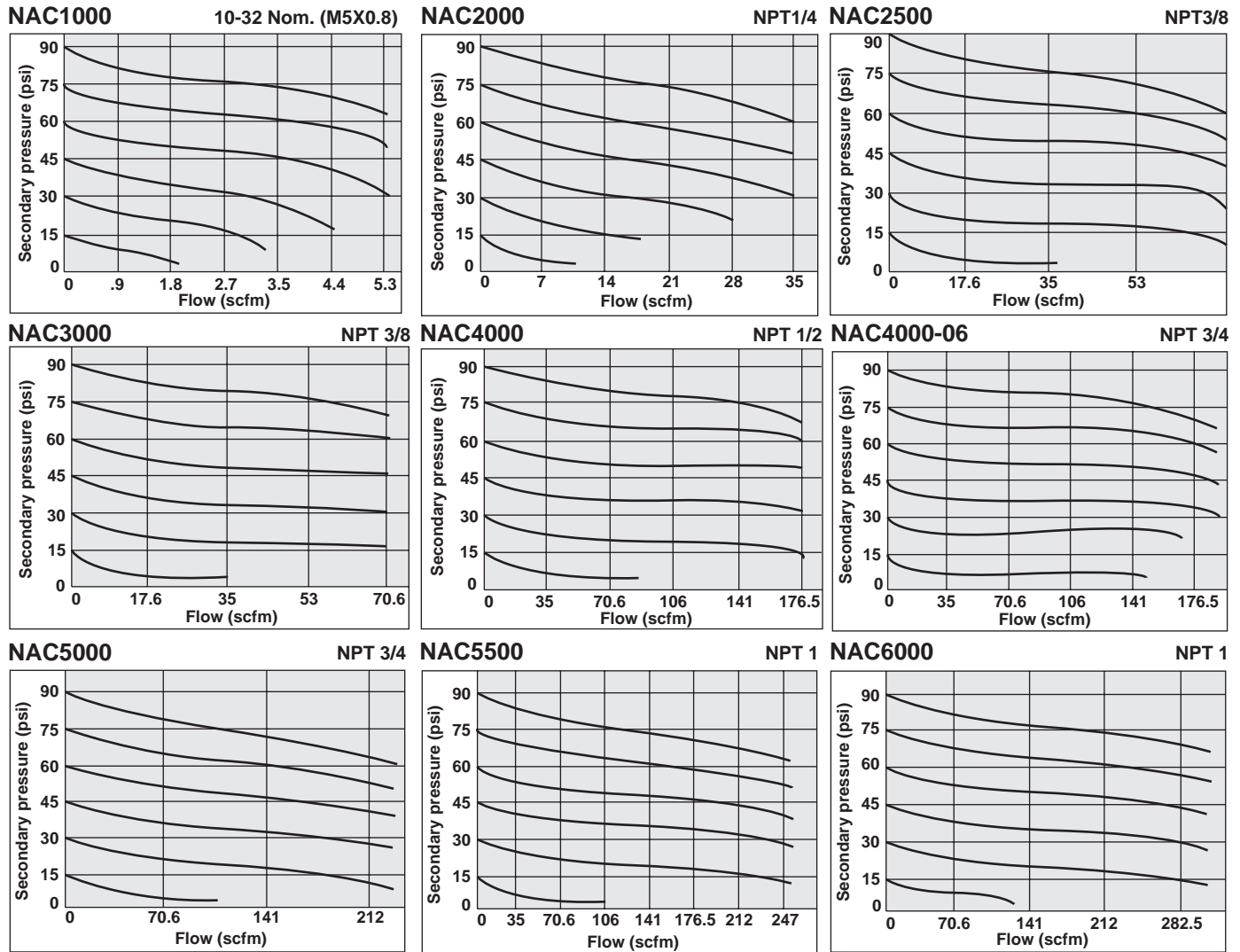
Note (1) Specify alphabetically when having two codes or more.

Filter+Regulator+Lubricator

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

Flow Characteristics

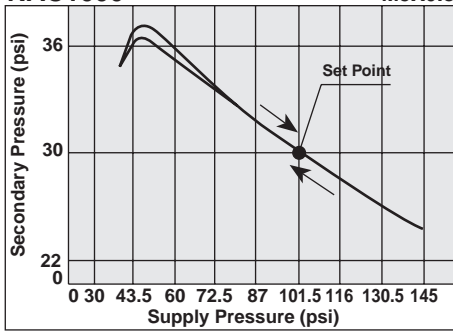
Supply Pressure - 100 psi (0.7 MPa)



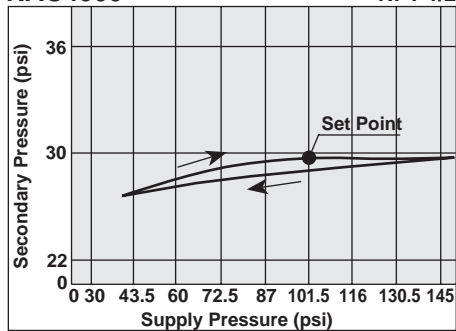
Pressure Characteristics

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

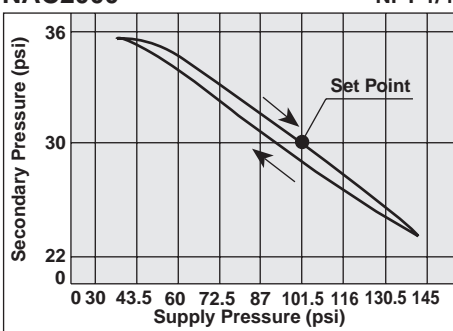
NAC1000 M5X0.8



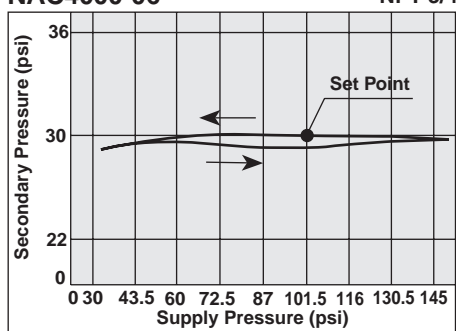
NAC4000 NPT 1/2



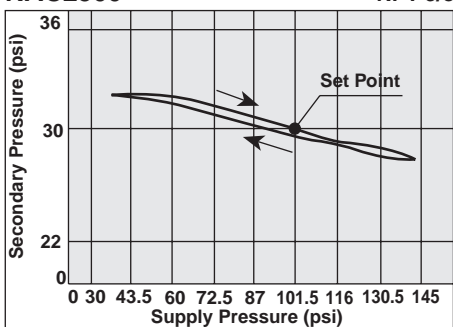
NAC2000 NPT 1/4



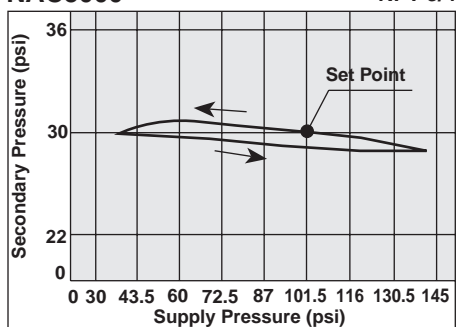
NAC4000-06 NPT 3/4



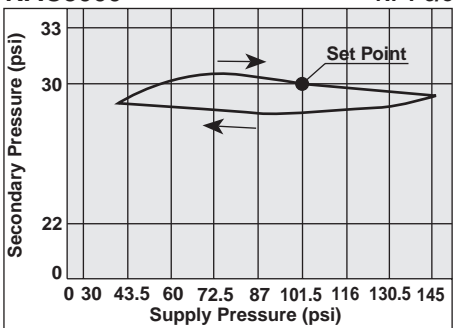
NAC2500 NPT 3/8



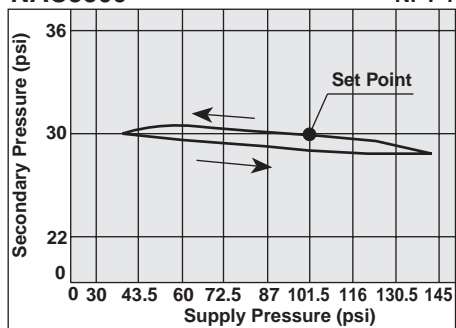
NAC5000 NPT 3/4



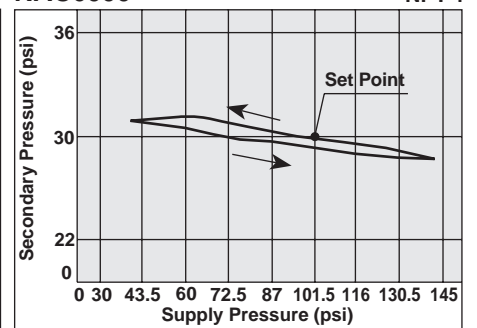
NAC3000 NPT 3/8



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

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

Installation

- ❶ Flush piping before installation.
- ❷ Use of piping adapters will ease installation.
- ❸ 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.
- ❹ 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.
- ❺ When mounting residual pressure release 3-port valve upstream of a lubricator, use check valve (series NAKM) to prevent reverse flow of oil.
- ❻ Pressure switch and T-type interface cannot be mounted to OUT side of residual pressure release 3-port valve.

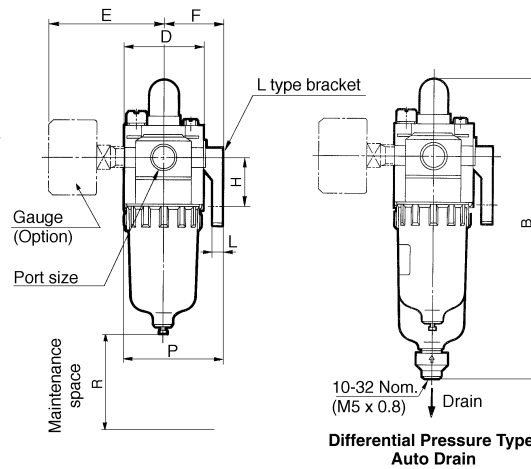
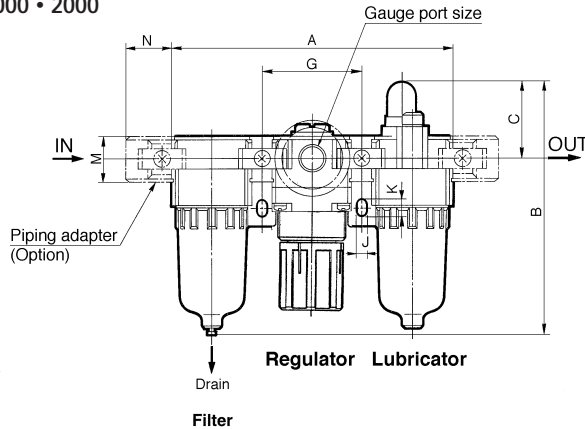
Piping

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

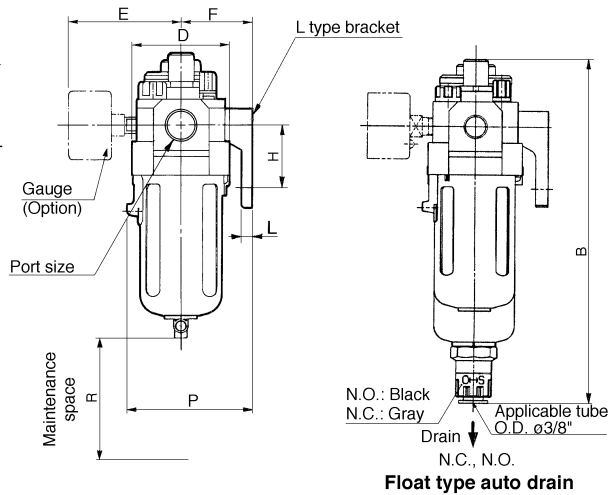
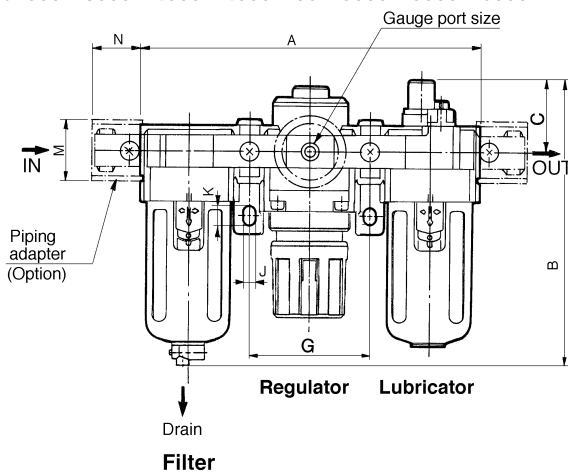
Dimensions

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**

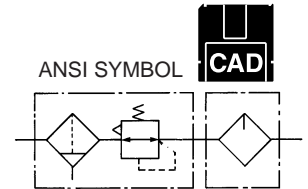
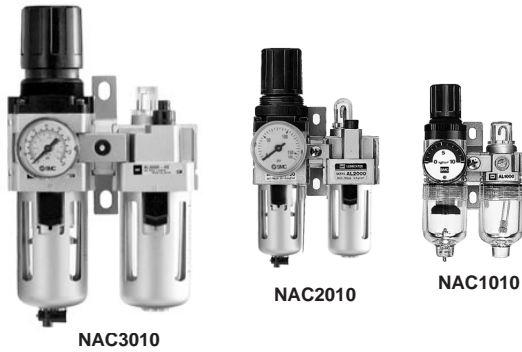
Type	Barb Fitting B	With drain guide B	Metal bowl B	Metal bowl with level gauge
NAC1000	—	—	3.33 (84.5)	—
NAC2000	—	—	4.92 (125)	—
NAC2500	6.36 (161.5)	6.26 (159)	6.54 (166)	7.32 (186)
NAC3000	6.36 (161.5)	6.26 (159)	6.54 (166)	7.32 (186)
NAC4000	7.74 (196.5)	7.67 (194)	7.91 (201)	8.70 (221)
NAC4000-06	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)

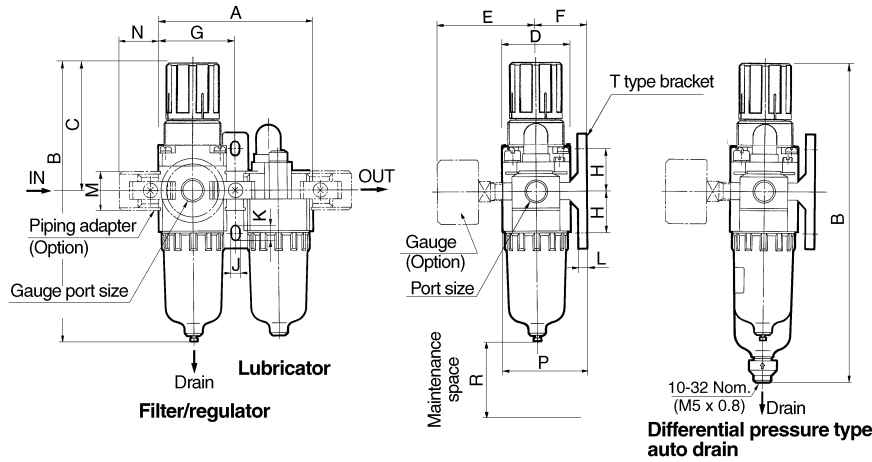
**Port size: M5 = M5 x 0.8, □01 = 1/8, □02 = 1/4, □03 = 3/8, □04 = 1/2, □06 = 3/4

***Standard port size without ()

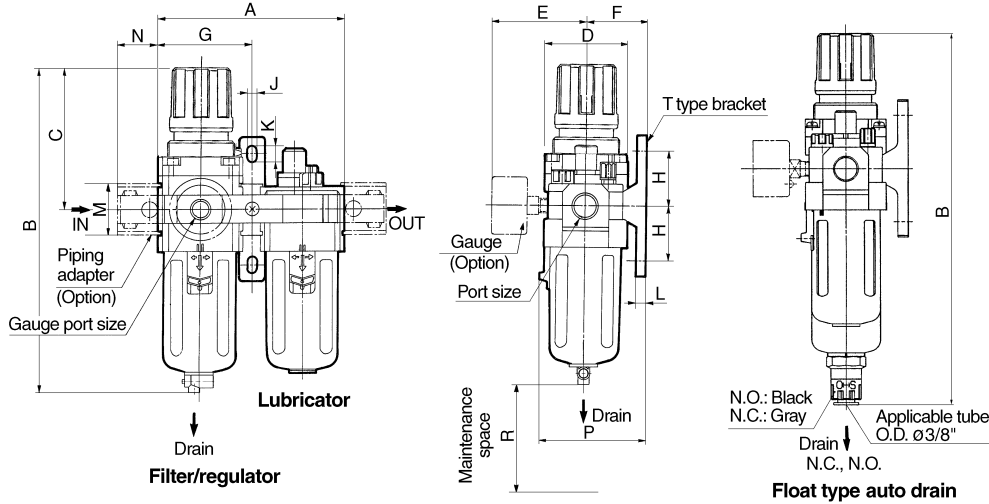
Filter+Regulator+Lubricator
 NAC1010, 2010, 3010, 4010

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)	—

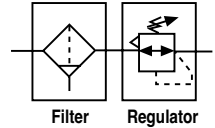
*Piping adapter with 1/2" port used on NAC3010 is 1.57 (40). Piping adapter with 3/4" port used on NAC4010 is 1.97 (50).

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



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

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) □02	Y51 (□02) □03	Y61 □03 (□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	—	□06 □10	□06 □10	□06 □10	
Accessories	Spacer	Y10	Y20	Y30	Y30	Y40	Y50	Y60	Y60	Y60	
	Piping adaptor**	E10-M5	E20-□01 □02 □03	E30-□02 □03 □04	E30-□02 □03 □04	E40-□03 □04	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).

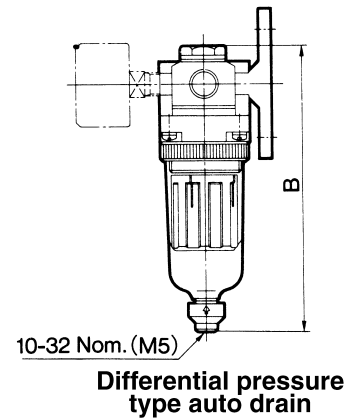
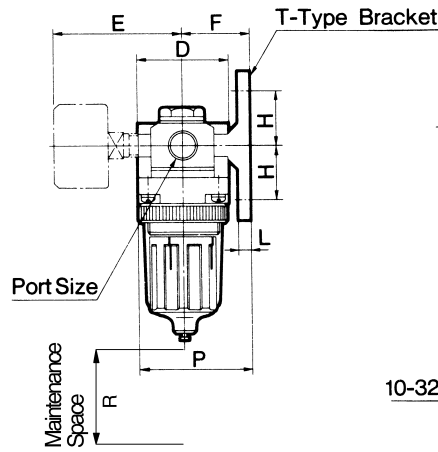
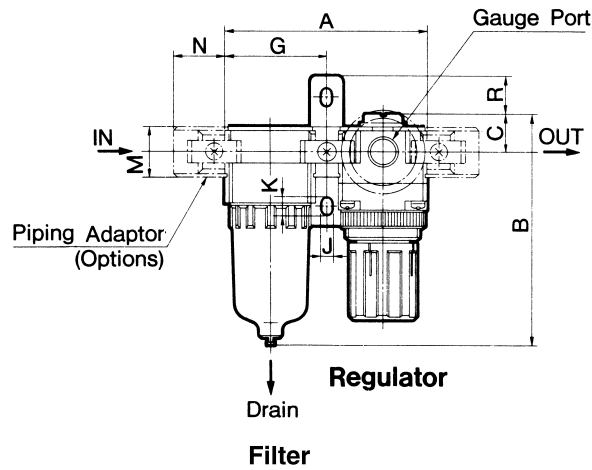
Port size: M5 = M5 x 0.8, □01 = 1/8, □02 = 1/4, □03 = 3/8, □04 = 1/2, □06 = 3/4, □10 = 1

***Standard port size without ()

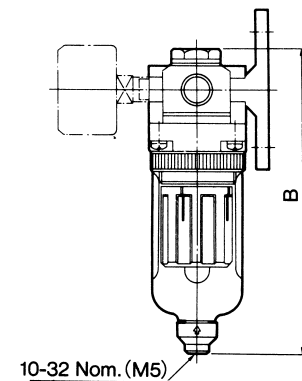
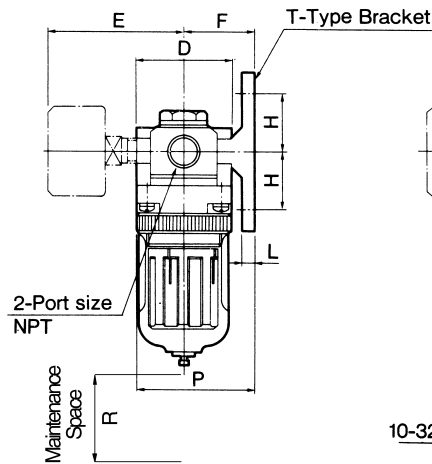
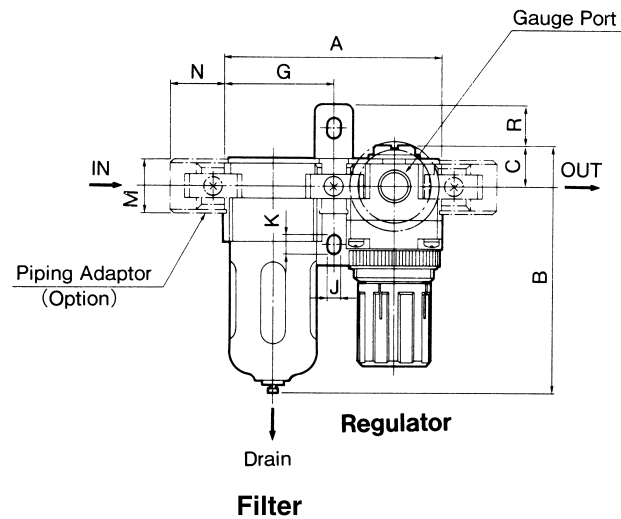
Filter+Regulator

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

NAC1020



NAC2020

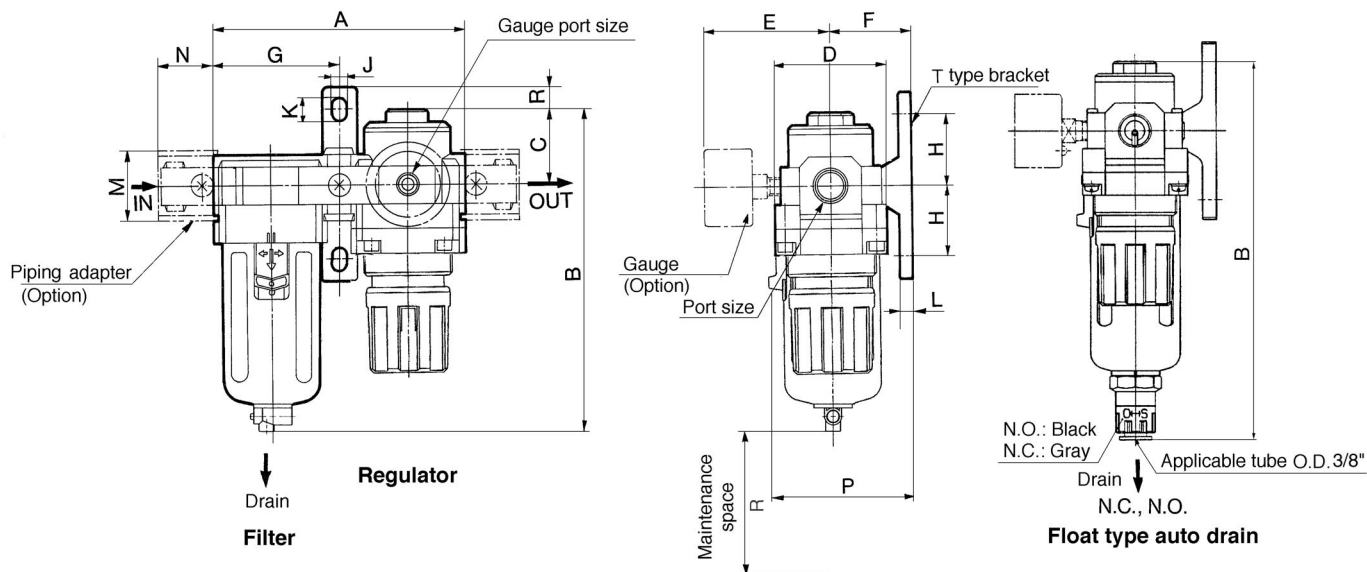


Model	Port size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	With auto drain	
																	Float B	Differential pressure B
NAC1020	10-32 Nom (M5)	2.28 (58)	2.76 (70)	0.43 (11)	0.98 (25)	1.02 (26)	0.98 (25)	1.14 (29)	0.79 (20)	0.18 (4.5)	0.30 (7.5)	0.20 (5)	0.69 (17.5)	0.63 (16)	1.52 (38.5)	0.63 (16)	—	3.56 (90.5)
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)	—

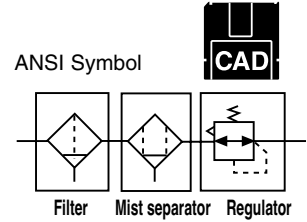
NAC2520 • 3020 • 4020 • 5020 • 5520 • 6020



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



NAC4030



NAC3030



NAC2030

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)

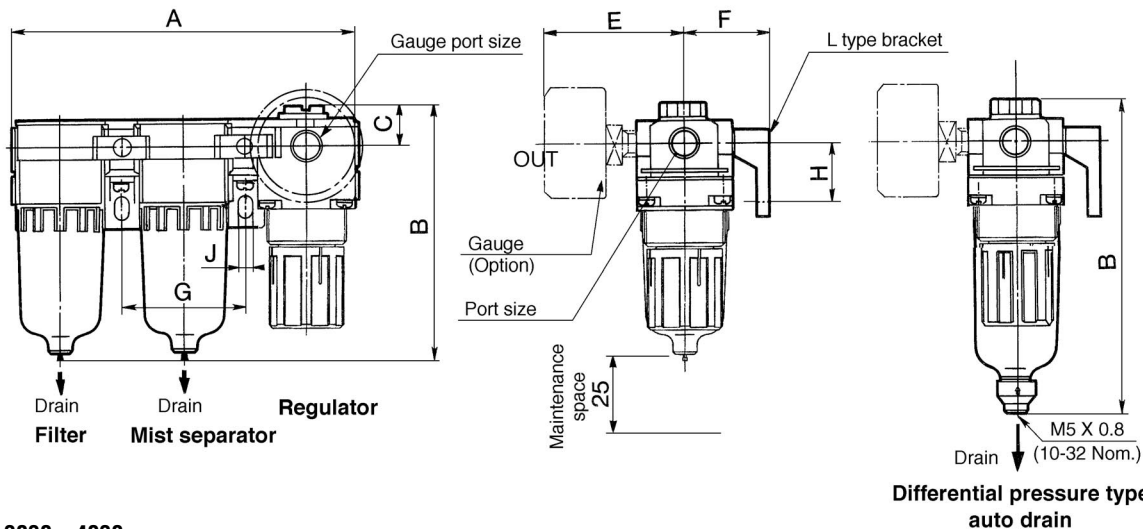
Type	Part No.						
	NAC2030	NAC2530	NAC3030	NAC4030	NAC4030-06		
Attachments	Pressure switch	NIS1000M-2Y	NIS1000M-3Y	NIS1000M-3Y	NIS1000M-4Y	NIS1000M-5Y	
	T-Type spacer	Y21- □01 □02	Y31- □01 □02	Y31- □01 □02	Y41- □02 □03	Y41- □02 □03	
	Shut-off valve	NVHS2000- □01 □02	NVHS3000- □02 □03	NVHS3000- □02 □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	NAD43	NAD44	NAD44
		N.C.	—	NAD53	NAD53	NAD54	NAD54
Differential pressure auto drain	NAD62-C	—	—	—	—		

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

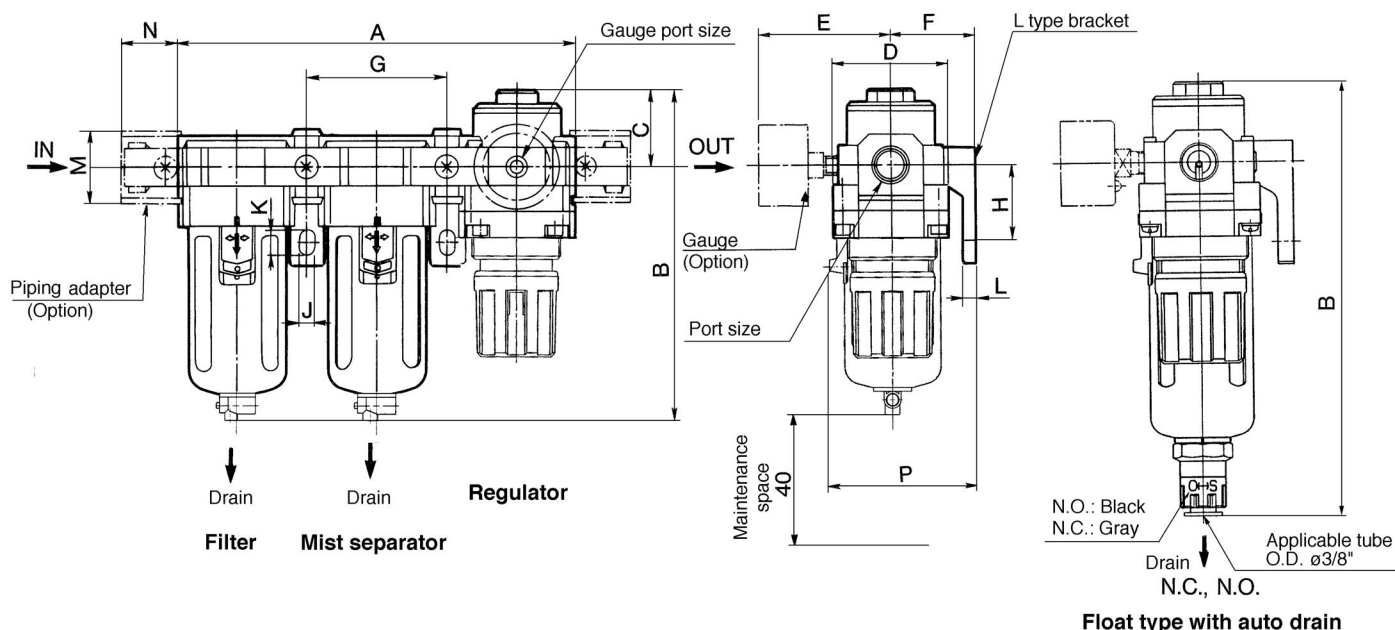
** Port size: □01 = 1/8, □02 = 1/4, □03 = 3/8, □04 = 1/2, □06 = 3/4

*** Standard port size without ()

NAC2030



NAC2530 • 3030 • 4030



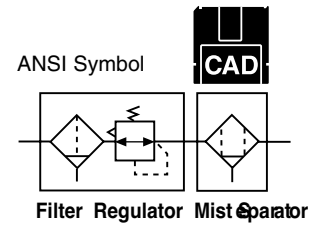
Model	Port size (NPT)	A	B	C	D	E	F	G	H	J	K	L	M	N	P	With auto drain	
																Float B	Differential pressure B
NAC2030	1/8 • 1/4	5.51 (140)	4.07 (103.5)	0.67 (17)	1.57 (40)	2.28 (58)	1.18 (30)	1.97 (50)	0.94 (24)	0.22 (5.5)	0.33 (8.5)	0.20 (5)	0.87 (22)	0.91 (23)	1.97 (50)	—	4.98 (126.5)
NAC2530	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).

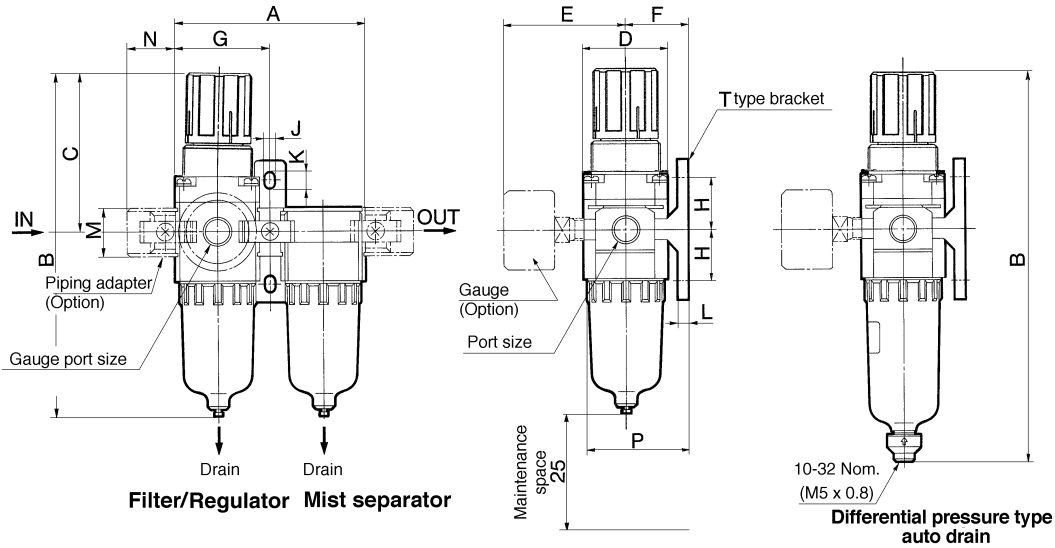
Attachments/Accessories (Optional)

Type	Part No.					
	NAC2040	NAC3040	NAC4040	NAC4040-N06		
Attachments	Lock-out valve	NVHS2500-□01	NVHS3500-□02	NVHS4500-□02 □03 □04	—	
	Shut-off valve	NVHS2000-□01 □02	NVHS3000-□02 □03	NVHS4000-□02 □03 □04	—	
	Cross spacer	Y24-□01 □02	Y34-□01 □02	Y44-□02 □03	Y54-□03 □04	
Accessories	Spacer	Y20	Y30	Y40	Y50	
	Piping adaptor**	E20-□01 □02 □03	E30-□02 □03 □04	E40-□02 □03 □04 □06	E50-□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	—	—	—		

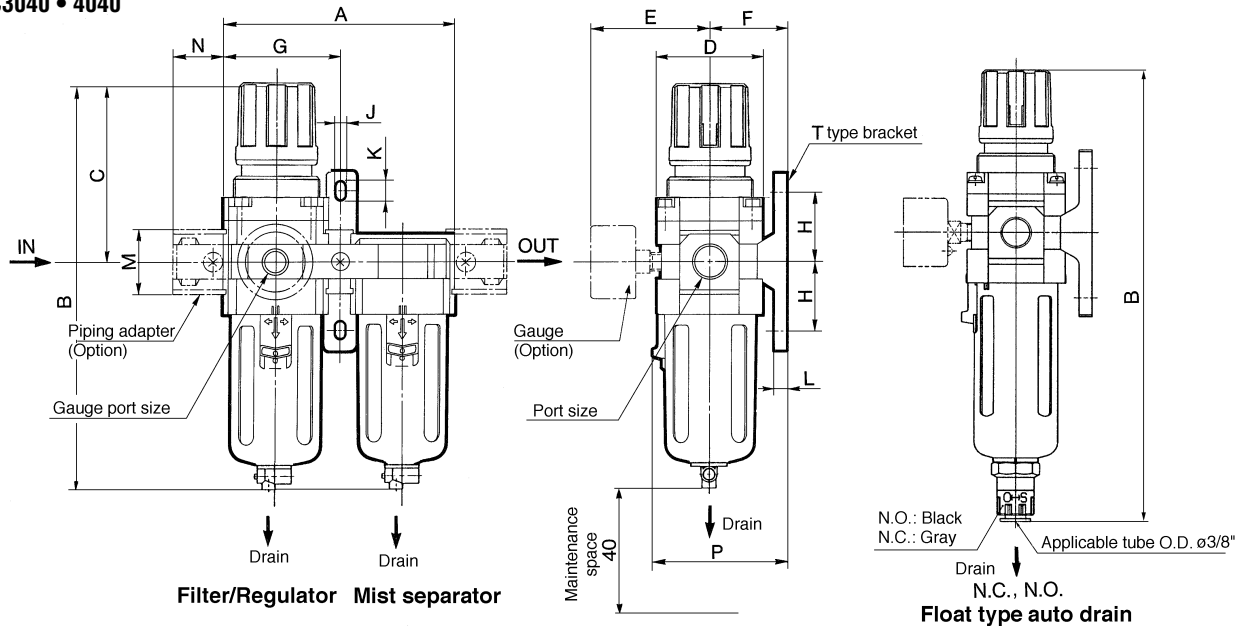
* Min. operating pressure: N.O. - (15psig), N.C. - (22psig).

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
		(90)	(164.5)	(78)	(40)	(58)	(30)	(45)	(24)	(5.5)	(8.5)	(5)	(22)	(23)	(50)	—	7.38 (187.5)
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)

WARRANTY AND CONDITIONS OF SALE

Buyer understands and agrees that as a condition of sale, SMC Pneumatics, Incorporated (SMC) warrants that for one year from date of purchase it will repair, replace or make product adjustments, at SMC's option, to any defective product sold, on the condition that the product is returned with SMC's prior written consent, transportation prepaid by buyer, and received by SMC at its place of business in Indianapolis, Indiana, within the warranty period. Prior to the product return, SMC shall have the right to inspect any products claimed to be defective at the buyer's facility.

This warranty is limited exclusively to products which, in the opinion of SMC, have not been subject to modification, misuse, neglect, misapplication, repairs, adjustments or alterations. Damage caused by fire, theft, riot, explosion, negligence, or acts of God are excluded from this warranty.

The foregoing constitutes the sole exclusive remedy for the buyer and the only obligation or liability of SMC. This warranty is in lieu of any and all other warranties, expressed, implied, or statutory, including but not limited to warranties as to merchantability, fitness for purpose sold, description, quality productiveness or any other matter. SMC shall not be liable for any damages because of loss of use, or loss of profits, or special or consequential damages, resulting from a defective product.

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CAUTION!

All filter and lubricator units that are equipped with polycarbonate bowls may be damaged and possibly fail if exposed to synthetic oils, thinner solvents, trichlorethylene, kerosene and other aromatic hydrocarbons. SMC recommends that bowl guards or metal bowls be utilized with filters, mist separators and lubricators.

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