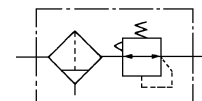


- Reduces space by combining the filter and the regulator into one unit
- Wide variation of filtration and regulating pressures to fit most applications
- Modular design connects with other SMC Air Preparation Equipment



ANSI Symbol



NAW3000-N03



NAW2000-N02-C



NAW1000-M5



NAW3000-N03BG



NAW2000-N02BG-C



NAW1000-M5BG

## Specifications

| Model                                | NAW1000                   | NAW2000             | NAW3000     | NAW4000         | NAW4000-N06 |
|--------------------------------------|---------------------------|---------------------|-------------|-----------------|-------------|
| Port Size NPT                        | M5x0.8                    | 1/8 • 1/4           | 1/4 • 3/8   | 1/4 • 3/8 • 1/2 | 3/4         |
| Proof pressure psig (MPa)            | 220 (1.5)                 |                     |             |                 |             |
| Max. oper. pressure psig (MPa)       | 150 (1.0)                 |                     |             |                 |             |
| Regulating pressure range psig (MPa) | 7~100 (0.05~0.7)          | 7~120 (0.05 ~ 0.85) |             |                 |             |
| Port size pressure gauge             | 1/16Rc(PT)                | 1/8 NPT             | 1/8 NPT     | 1/4 NPT         | 1/4 NPT     |
| Ambient and fluid temperature        | 23° ~140° F (-5° ~ 60° C) |                     |             |                 |             |
| Filtration                           | 5µm                       |                     |             |                 |             |
| Bowl capacity ozs. (cm³)             | .08 (2.5)                 | .27 (8)             | .78 (23)    | 1.52 (45)       | 1.52 (45)   |
| Bowl material                        | Polycarbonate             |                     |             |                 |             |
| Construction/regulator               | Relieving Type            |                     |             |                 |             |
| Weight lbs. (kgf)                    | 0.20 (0.09)               | 0.79 (0.36)         | 1.17 (0.53) | 2.40 (1.09)     | 2.54 (1.15) |
| Accessory (standard)                 | Bowl guard                | —                   | ●           | ●               | ●           |

## Accessories (Optional)

| Type                        | Part No.   |                 |         |                 |            |
|-----------------------------|------------|-----------------|---------|-----------------|------------|
|                             | NAW1000    | NAW2000         | NAW3000 | NAW4000         | NAW4000-06 |
| Bracket                     | B120       | B220            | B320    | B420            | B420       |
| Pressure Gauge              | G27-P10-R1 | K40A-MP1.0-N01M |         | K50A-MP1.0-N02M |            |
| *Float Auto Drain           | N.O.       | —               | NAD43   | NAD44           | NAD44      |
|                             | N.C.       | —               | NAD53   | NAD54           | NAD54      |
| Differential Pressure Drain | NAD61      | NAD62-0         | —       | —               | —          |

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

## Setting

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



- 2 Clockwise rotation of the knob results in a pressure increase and vice-versa.
- 3 Check supply pressure before adjusting pressure.

## Precautions

### <Installation>

- 1 Air flush piping before installation.
- 2 Use of the piping adaptors will ease installation.

### <Atmosphere>

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

### <Auto Drain>

#### Float type (Normally open)

- 1 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.
- 2 Unsuitable for flow below 3.5 scfm(100Nl/min).
- 3 Min. operating pressure 15 psig (0.1 MPa).

#### Float type (Normally closed)

- 1 Suitable for a compressor with capacity lower than 0.75kw.
- 2 Min. operating pressure 22 psig (0.15 MPa).
- 3 Drain piping should be 5/32 in. (4mm) or greater and also less than 16.5 ft. (5m) in length.

#### Install vertically.

#### Differential type

- 1 Min. operating pressure 15 psig (0.1 MPa). Soft nylon tube of more than 3/32 in. (2.5mm)
- 2 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.

#### Install vertically.

#### Maintenance

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

## How To Order

**NAW 30 00 - N 03 BD 1W**

**Filter Regulator** •

**Body size** •

10 — M5  
20 — 1/8  
30 — 3/8  
40 — 1/2

**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

**Optional specifications**

Nil — None  
1 — 3~30psig (0.02 ~ .2MPa) setting\* (except NAW1000)  
2 — Metal bowl  
4 — 3~30psig (0.02 ~ 0.4MPa) setting\*  
6 — Nylon bowl  
8 — Metal bowl with level gauge (only NAW3000•NAW4000)  
C — With bowl guard (Only NAW2000)  
J — Drain Guide 1/4 Pipe Thread  
N — Non-relieving  
R — IN-OUT reversal  
W — Drain Cock with Barb Fitting for Nylon tube (ø6mm OD/ø4mm ID)

When specifying more than one option, please list numerically, then alphabetically.  
\*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.

**Accessory**

| Code | Description    | Applicable model                      |
|------|----------------|---------------------------------------|
| Nil  | —              | —                                     |
| B    | Bracket        | NAW1000~NAW4000-N06                   |
| C    | Auto drain     | Float type (N.C.) NAW3000~NAW4000-N06 |
| D    |                | Differential Pressure NAW1000~NAW2000 |
|      |                | Float type (N.O.) NAW3000~NAW4000-N06 |
| G    | Pressure Gauge | NAW1000<br>NAW2000~NAW4000-N06        |

## Accessories And Combinations

- ▼ Combination  
□ No Combination  
● Refer to "How to Order"

| Accessories                      | Suffix | D | D | C | 1 | 2 | 4 | 6 | 8 | C | J | N | R | W | Applicable model |         |         |         |
|----------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|---------|---------|---------|
|                                  |        |   |   |   |   |   |   |   |   |   |   |   |   |   | NAW1000          | NAW2000 | NAW3000 | NAW4000 |
| Differential pressure auto drain | D      |   |   |   | ▼ | ▼ | ▼ | ▼ |   | ● |   | ▼ | ▼ |   | ▼                | ▼       |         | ▼       |
| Float auto drain (N.O.)          | D      |   |   |   | ▼ | ▼ | ▼ | ▼ | ▼ |   |   | ▼ | ▼ |   |                  |         | ▼       | ▼       |
| Float auto drain (N.C.)          | C      |   |   |   | ▼ | ▼ | ▼ | ▼ | ▼ |   |   | ▼ | ▼ |   |                  |         | ▼       | ▼       |
| 3 ~ 30 psi (0.02 ~ 0.2 MPa)      | -1     | ▼ | ▼ | ▼ |   | ▼ |   | ▼ | ● | ● | ● | ▼ | ▼ | ● | ▼                | ▼       | ▼       | ▼       |
| Metal bowl                       | -2     | ▼ | ▼ | ▼ |   | ▼ |   | ▼ |   | ● | ● | ▼ | ▼ |   | ▼                | ▼       | ▼       | ▼       |
| 3 ~ 60 psi (0.02 ~ 0.4 MPa)      | -4     | ▼ | ▼ | ▼ |   | ▼ |   | ▼ | ● | ● | ● | ▼ | ▼ | ● | ▼                | ▼       | ▼       | ▼       |
| Nylon bowl                       | -6     | ▼ | ▼ | ▼ | ▼ | ● | ▼ |   |   | ● | ● | ▼ | ▼ | ● | ▼                | ▼       | ▼       | ▼       |
| Metal bowl with level gauge      | -8     |   | ▼ | ▼ | ▼ | ● | ● |   |   |   | ● | ▼ | ▼ |   |                  |         | ▼       | ▼       |
| With bowl guard                  | -C     | ▼ |   |   | ▼ | ● | ● | ▼ |   |   |   | ▼ | ▼ |   |                  | ▼       |         |         |
| Drain guide (1/4)                | -J     |   |   |   | ▼ | ▼ | ● |   | ▼ |   |   | ▼ | ▼ |   |                  |         | ▼       | ▼       |
| Non-relieving                    | -N     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● |   | ▼ | ● | ▼                | ▼       | ▼       | ▼       |
| IN-OUT reversal (Right - Left)   | -R     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ▼ |   | ● | ▼                | ▼       | ▼       | ▼       |
| With barb fitting                | -W     |   |   |   | ▼ | ● | ● | ▼ |   |   |   | ▼ | ▼ |   |                  |         | ▼       | ▼       |

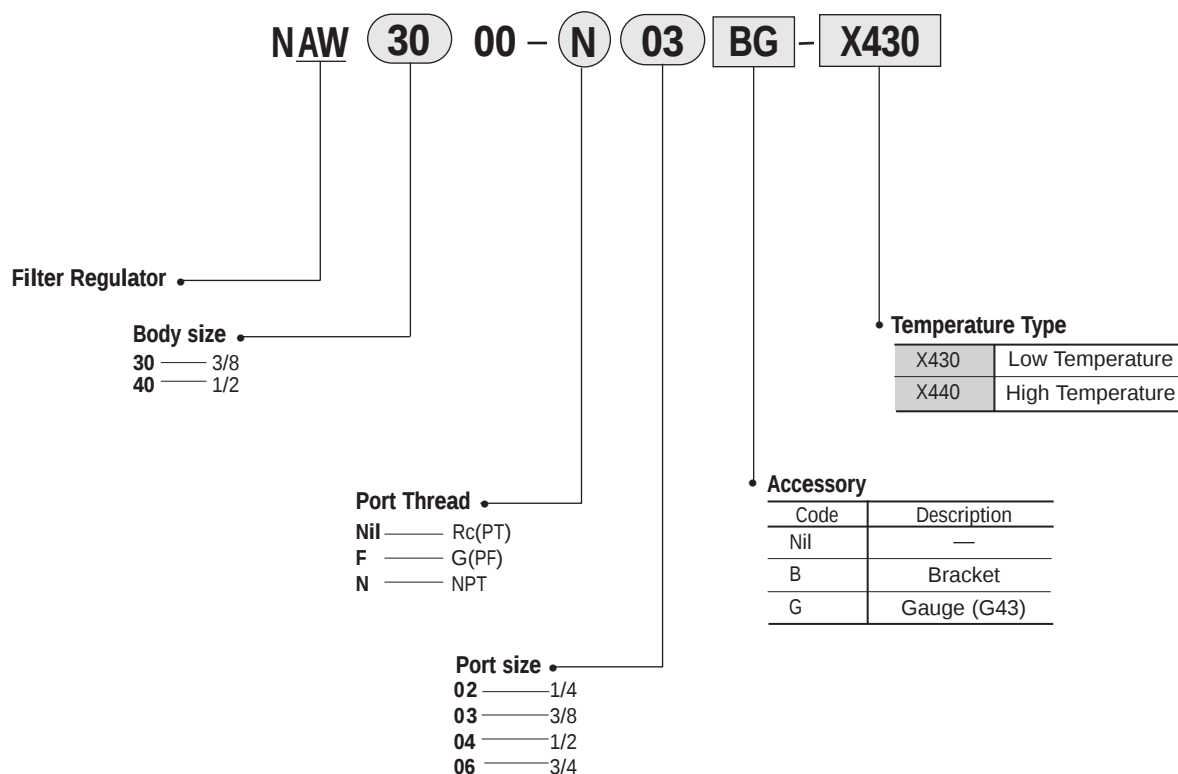
- Allows use in low or high ambient temperature environments
- Combines the filter and regulator to save space
- Modular design connects with other SMC air preparation equipment

**Specifications (Low Temp) -X430**

| Model               | NAW3000                  | NAW4000         | NAW4000-N06 |
|---------------------|--------------------------|-----------------|-------------|
| Port size NPT       | 1/4 • 3/8                | 1/4 • 3/8 • 1/2 | 3/4         |
| Ambient temperature | -22~140° F (-30 ~ 60° C) |                 |             |
| Fluid temperature   | -23~140° F (-5 ~ 60° C)  |                 |             |
| Filtration          | 5μm                      |                 |             |
| Bowl material       | Aluminum Die Casting     |                 |             |

**Specifications (High Temp) -X440**

| Model               | NAW3000                | NAW4000         | NAW4000-N06 |
|---------------------|------------------------|-----------------|-------------|
| Port size NPT       | 1/4 • 3/8              | 1/4 • 3/8 • 1/2 | 3/4         |
| Ambient temperature | 23~180° F (-5 ~ 80° C) |                 |             |
| Fluid temperature   | 23~140° F (-5 ~ 60° C) |                 |             |
| Filtration          | 5μm                    |                 |             |
| Bowl material       | Aluminum Die Casting   |                 |             |

**How To Order**

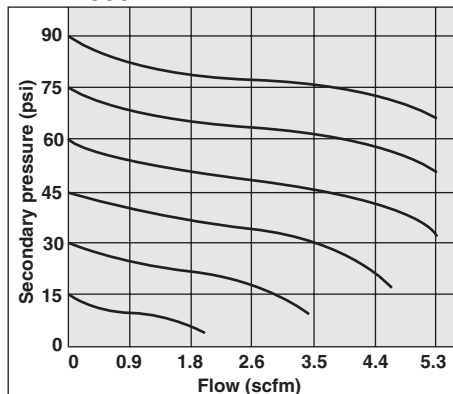
## Filter/Regulator

NAW1000, 2000, 3000, 4000

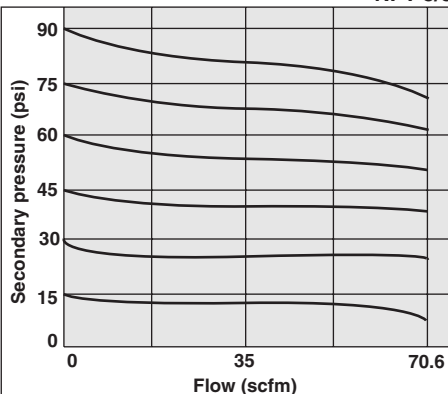
## Flow Characteristics

Conditions: Supply pressure 100 psig

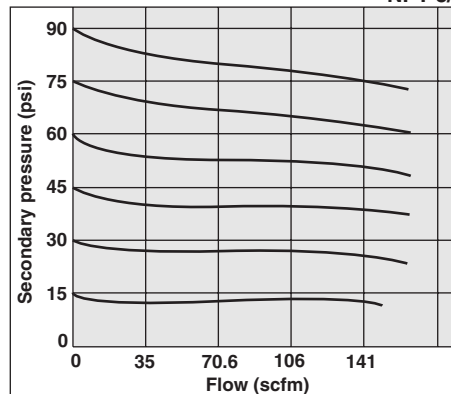
**NAW1000** M5X0.8



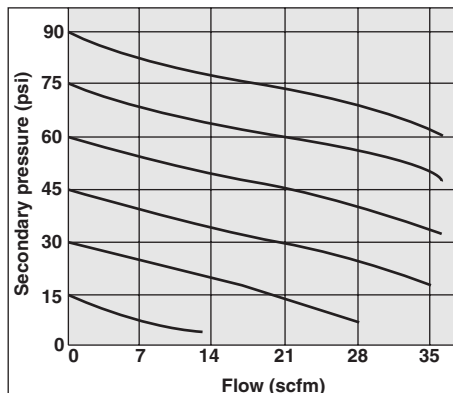
**NAW3000** NPT 3/8



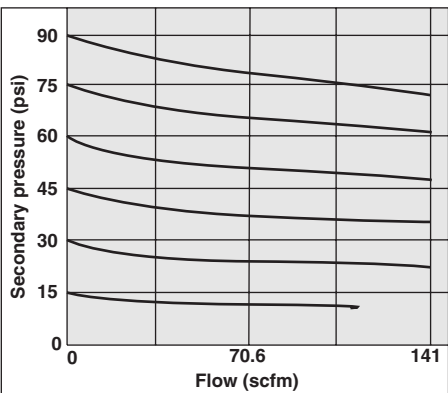
**NAW4000-06** NPT 3/4



**NAW2000** NPT 1/4



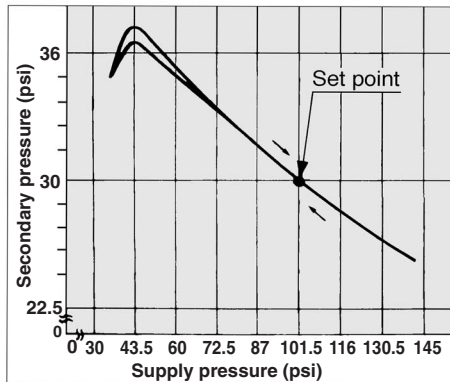
**NAW4000** NPT 1/2



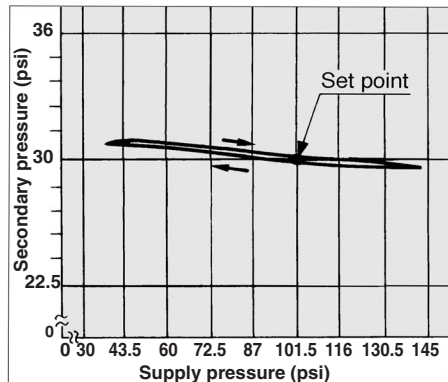
## Pressure Characteristics

Conditions—100psi Supply Pressure, 30psi Set Pressure, .71SCFM Flow Rate

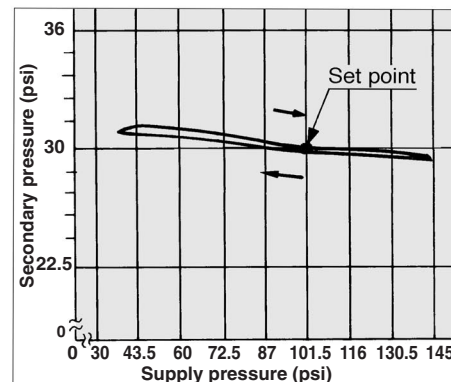
**NAW1000** M5X0.8



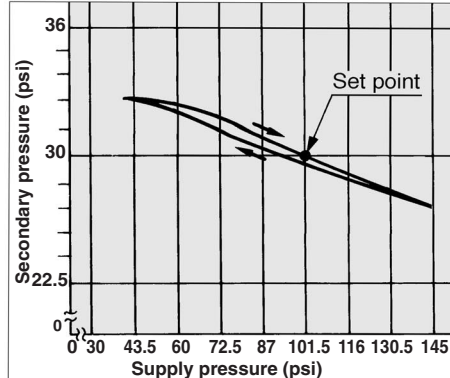
**NAW3000** NPT 3/8



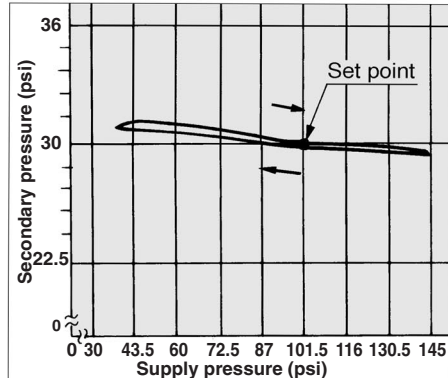
**NAW4000-06** NPT 3/4



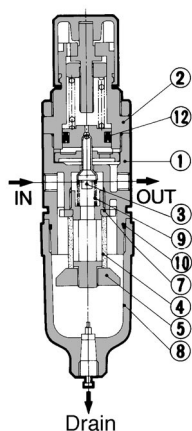
**NAW2000** NPT 1/4



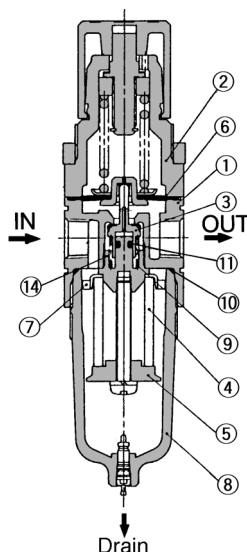
**NAW4000** NPT 1/2



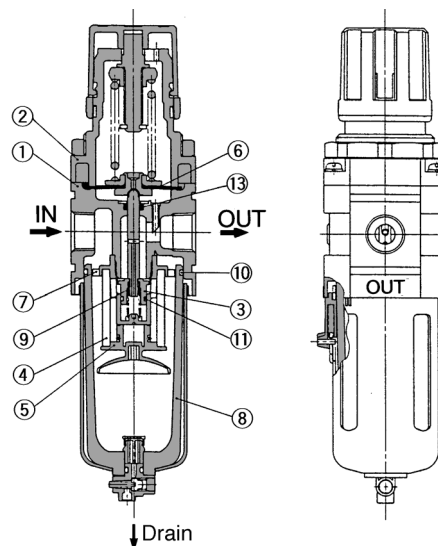
NAW1000



NAW2000



NAW3000•4000



## Main Parts

| No. | Name   | Material         |                      |                      | Note                     |
|-----|--------|------------------|----------------------|----------------------|--------------------------|
|     |        | NAW1000• 2000    | NAW3000              | NAW4000• 4000-N06    |                          |
| ①   | Body   | Zinc die casting | Aluminum die casting |                      | Platinum silver painting |
| ②   | Bonnet | Polyacetal       |                      | Aluminum die casting | Black painting           |

## Component Parts List

|   | Name              | Material        | Part No.     |              |               |               |               |
|---|-------------------|-----------------|--------------|--------------|---------------|---------------|---------------|
|   |                   |                 | NAW1000      | NAW2000      | NAW3000       | NAW4000       | NAW4000-N06   |
| ③ | Valve Ass'y       | Brass ¥ NBR     | 134819       | 1349160      | 1315216A      | 1316212A      | 1316213A      |
| ④ | Filter Element    | Polyolefin      | 111344       | 1129116      | 111585        | 1116103       | 1116103       |
| ⑤ | Baffle            | ( ) mat'l       | 111312 (POM) | 11295 (ABS)  | 1315541 (POM) | 1316276 (POM) | 1316276 (POM) |
| ⑥ | Diaphragm Ass'y   | NBR             |              | 131445A      | 1315215A      | 1316211A      | 1316211A      |
| ⑦ | Deflector         | ABS             | 11133A       | 112961A      |               |               |               |
| ⑧ | Bowl Ass'y        | Polycarbonate   | NC100F       | NC200F-C     | NC300F        | NC400F        | NC400F        |
| ⑨ | Valve Spring      | Stainless Steel | 134824       | 1349158      | 131525        | 131625        | 131625        |
| ⑩ | Bowl O-ring       | NBR             | 111325       | 11297        | 111512        | 111636        | 111636        |
| ⑪ | Valve O-ring      | NBR             |              | 1349247      | 131544        | 131645        | 131645        |
| ⑫ | Piston/Seal Ass'y | NBR             | MYN-10A      |              |               |               |               |
| ⑬ | O-ring            | NBR             |              |              | P5            | P5            | P5            |
| ⑭ | Valve guide       | ( ) mat'l       |              | 134132 (ZDC) | 1315540 (POM) | 1316275 (POM) | 1316275 (POM) |

## Dimensions

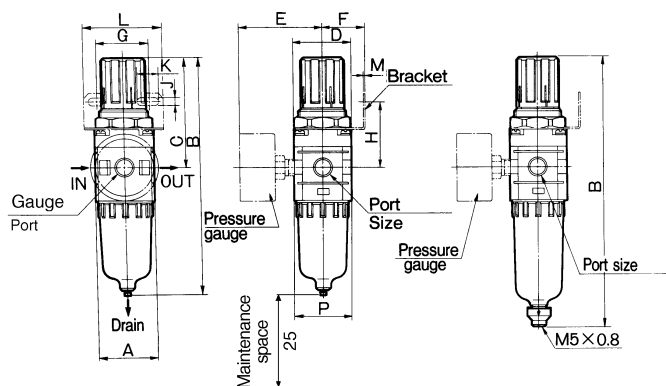
NAW1000, 2000, 3000, 4000

### NAW1000•2000

#### Panel cut hole



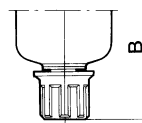
Max. Panel thickness: 9/64" (3.5)



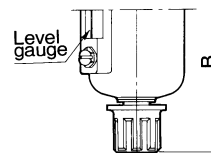
With Auto Drain  
(Differential pressure type)

### Semi-standard Type/Dimensions

#### Metal Bowl



#### Metal bowl with level gauge



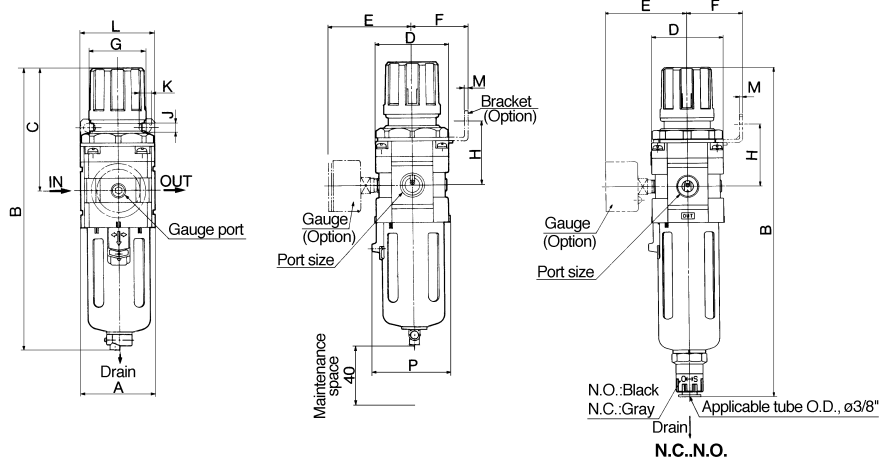
| Model       | Metal bowl    | Metal bowl with level gauge |
|-------------|---------------|-----------------------------|
|             | B             | B                           |
| NAW1000     | 4.31 (109.5)  | —                           |
| NAW2000     | 6.48 (164.5)  | —                           |
| NAW3000     | 8.68 (220.5)  | 9.47 (240.5)                |
| NAW4000     | 10.71 (272)   | 11.50 (292)                 |
| NAW4000-N06 | 10.89 (276.5) | 11.67 (296.5)               |

### NAW3000•4000

#### Panel mounting hole



NAW3000: Max. panel thickness: 9/64" (3.5)  
NAW4000: Max. panel thickness: 13/64" (5)



N.C., N.O.  
With float type auto drain

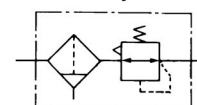
| Model       | Port Size          | A            | B               | C              | D            | E              | With Bracket |              |              |              |               |              |              | N              | P            | With auto drain |                       |
|-------------|--------------------|--------------|-----------------|----------------|--------------|----------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|----------------|--------------|-----------------|-----------------------|
|             |                    |              |                 |                |              |                | F            | G            | H            | J            | K             | L            | M            |                |              | Float           | Differential pressure |
|             |                    |              |                 |                |              |                |              |              |              |              |               |              |              |                |              | B               | B                     |
| NAW1000     | 10-32 Nom.<br>(M5) | .98<br>(25)  | 4.31<br>(109.5) | 1.99<br>(50.5) | .98<br>(25)  | 1.02<br>(26)   | .98<br>(25)  | 1.10<br>(28) | 1.18<br>(30) | .18<br>(4.5) | .26<br>(6.5)  | 1.57<br>(40) | .08<br>(2.0) | .81<br>(20.5)  | 1.10<br>(28) | —               | 5.12<br>(130)         |
| NAW2000     | 1/8 • 1/4          | 1.57<br>(40) | 6.48<br>(164.5) | 3.07<br>(78)   | 1.57<br>(40) | 2.24<br>(56.8) | 1.18<br>(30) | 1.34<br>(34) | 1.73<br>(44) | .21<br>(5.4) | .61<br>(15.4) | 2.17<br>(55) | .09<br>(2.3) | 1.32<br>(33.5) | 1.57<br>(40) | —               | 7.38<br>(187.5)       |
| NAW3000     | 1/4 • 3/8          | 2.09<br>(53) | 8.17<br>(207.5) | 3.64<br>(92.5) | 2.09<br>(53) | 2.39<br>(60.8) | 1.61<br>(41) | 1.57<br>(40) | 1.81<br>(46) | .26<br>(6.5) | .31<br>(8.0)  | 2.09<br>(53) | .09<br>(2.3) | 1.67<br>(42.5) | 2.20<br>(56) | 9.78<br>(248.5) | —                     |
| NAW4000     | 1/4 • 3/8 • 1/2    | 2.76<br>(70) | 10.20<br>(259)  | 4.41<br>(112)  | 2.76<br>(70) | 2.78<br>(70.5) | 1.97<br>(50) | 2.13<br>(54) | 2.13<br>(54) | .33<br>(8.5) | .41<br>(10.5) | 2.76<br>(70) | .09<br>(2.3) | 2.07<br>(52.5) | 2.87<br>(73) | 11.81<br>(300)  | —                     |
| NAW4000-N06 | 3/4                | 2.95<br>(75) | 10.35<br>(263)  | 4.49<br>(114)  | 2.76<br>(70) | 2.78<br>(70.5) | 1.97<br>(50) | 2.13<br>(54) | 2.20<br>(56) | .33<br>(8.5) | .41<br>(10.5) | 2.76<br>(70) | .09<br>(2.3) | 2.07<br>(52.5) | 2.87<br>(73) | 11.97<br>(304)  | —                     |

- Allows quick relief of air when the supply air is less than set pressure
- Combines the filter and regulator to save space
- Modular design connects with other SMC air preparation equipment

Filter/Regulator with Quick Relief  
NAW3050, 4050



ANSI Symbol



NAW3050-N03



NAW3050-N03BG

## Specifications

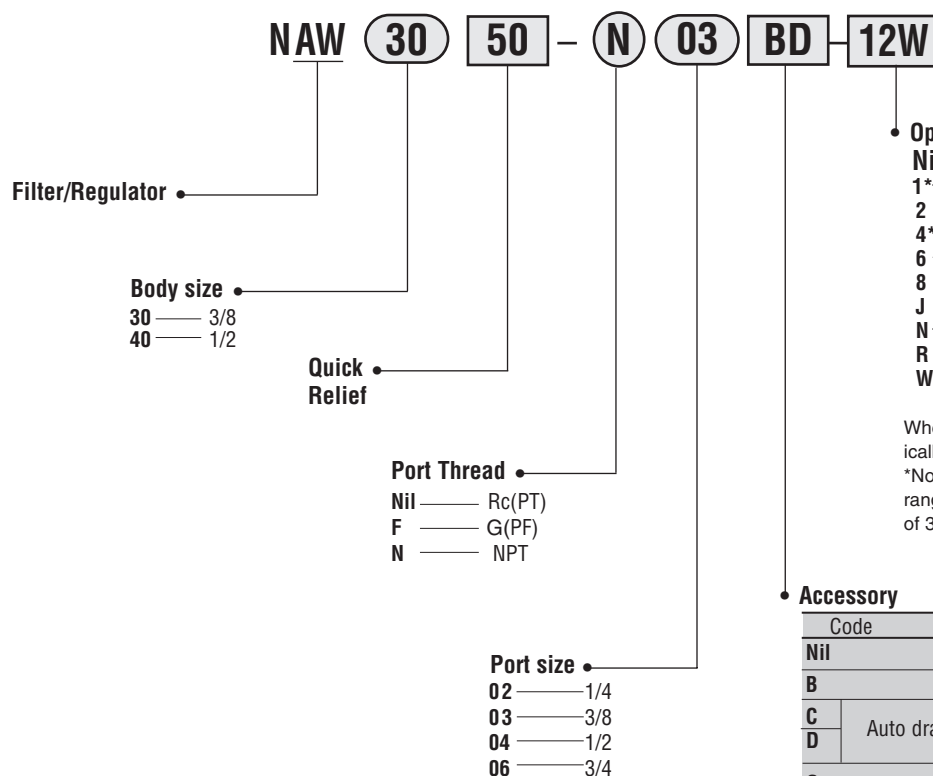
| Model                              | NAW3050                   | NAW4050         | NAW4050-N06 |
|------------------------------------|---------------------------|-----------------|-------------|
| Port Size NPT                      | 1/4 • 3/8                 | 1/4 • 3/8 • 1/2 | 3/4         |
| Proof supply pressure psig (MPa)   | 220 (1.5)                 |                 |             |
| Max. operating pressure psig (MPa) | 150 (1.0)                 |                 |             |
| Regulating range psig (MPa)        | 7~120 (0.05 ~0.85)        |                 |             |
| Gauge Port NPT                     | 1/8                       | 1/4             | 1/4         |
| Ambient & media Temperature        | 23° ~140° F (-5° ~ 60° C) |                 |             |
| Filtration                         | 5μm                       |                 |             |
| Bowl capacity oz. (cm³)            | 0.78 (23)                 | 1.52 (45)       | 1.52 (45)   |
| Bowl material                      | Polycarbonate             |                 |             |
| Construction/Regulator             | Relieving style           |                 |             |
| Weight lbs. (Kgf)                  | 1.23 (0.56)               | 2.54 (1.15)     | 2.67 (1.21) |
| Bowl Guard                         | STD                       | ●               | ●           |

## Accessories (Optional)

| Name           | Part Number     |                 |                 |
|----------------|-----------------|-----------------|-----------------|
|                | NAW3050         | NAW4050         | NAW4050-N06     |
| Bracket        | B320            | B420            | B420            |
| Pressure Gauge | K40A-MP1.0-N01M | K50A-MP1.0-N02M | K50A-MP1.0-N02M |
| Auto Drain     | N.O.            | NAD43           | NAD44           |
|                | N.C.            | NAD53           | NAD54           |

\* Minimum Operating Pressure: N.O. - 15 psig, N.C. - 22 psig

## How To Order



### Optional specifications

- Nil — None
- 1\* — 3~30psig (0.02 ~ 0.2 MPa) setting
- 2 — Metal bowl
- 4\* — 3~30psig (0.02 ~ 0.4 MPa) setting
- 6 — Nylon bowl
- 8 — Metal bowl with level gauge
- J — Drain guide 1/4 pipe thread
- N — Non-relieving
- R — IN-OUT reversal
- W — Drain cock/with barb fitting for nylon tube (ø6mm OD/ø4mm ID)

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

\*Not a maximum setting. Option 1 is more precise in the range of 3~30 psig. Option 2 is more precise in the range of 3~60 psig.

### Accessory

| Code | Description    |
|------|----------------|
| Nil  | —              |
| B    | Bracket        |
| C    | Auto drain     |
| D    |                |
| G    | Pressure gauge |

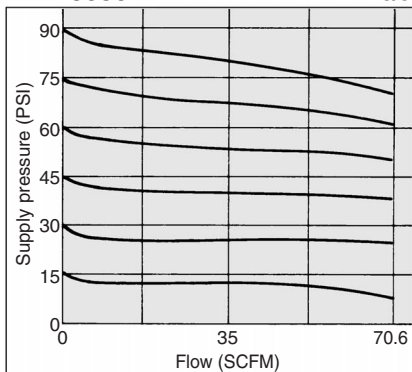
Filter/Regulator with Quick Relief  
NAW3050, 4050

## Flow Characteristics

Conditions: Supply pressure 100 psig

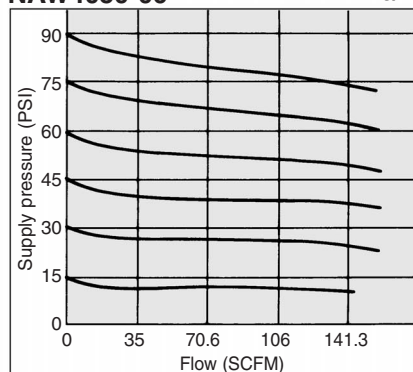
**NAW3050**

**NPT 3/8**



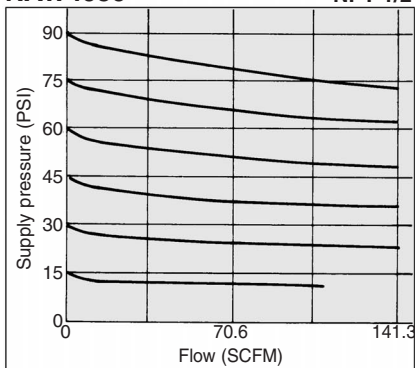
**NAW4050-06**

**NPT 3/4**



**NAW4050**

**NPT 1/2**

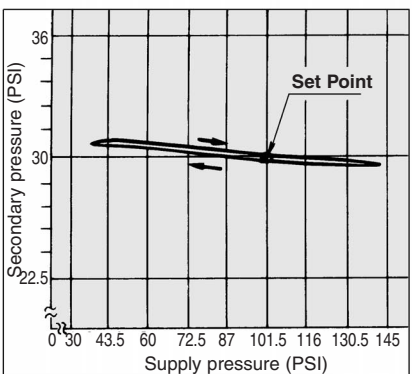


## Pressure Characteristics

Conditions—100psi Supply Pressure, 30psi  
Set Pressure, .71SCFM Flow Rate

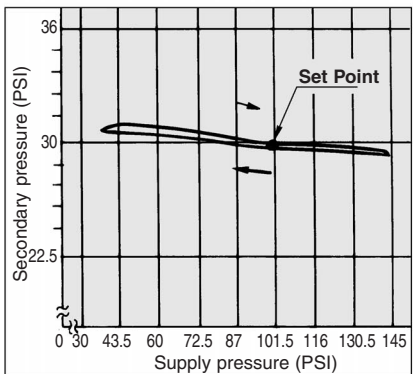
**NAW3050**

**NPT 3/8**



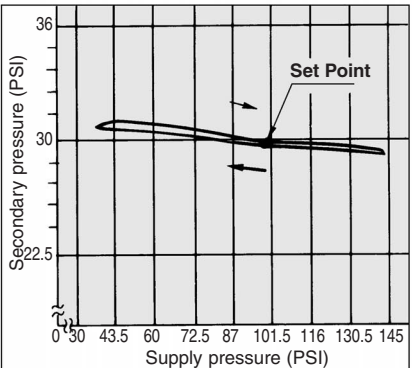
**NAW4050-06**

**NPT 3/4**

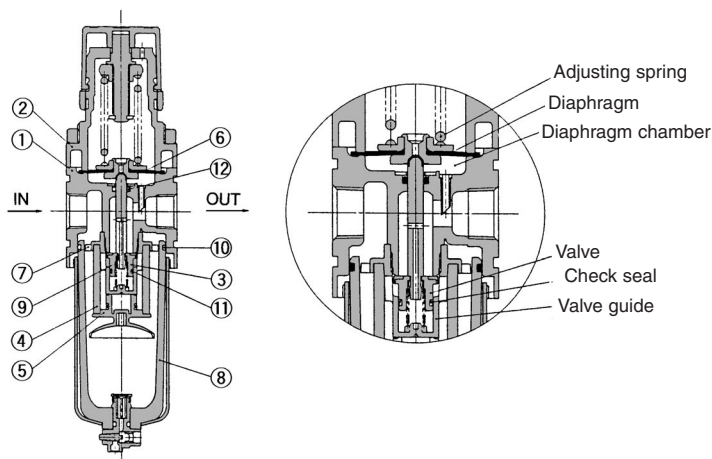


**NAW4050**

**NPT 1/2**



## Construction/Parts List



## Main Parts

| No. | Name   | Material             |         |                      | Note                     |
|-----|--------|----------------------|---------|----------------------|--------------------------|
|     |        | NAW3050              | NAW4050 | NAW4050-N06          |                          |
| ①   | Body   | Aluminum die casting |         |                      | Platinum silver painting |
| ②   | Bonnet | Polyacetal           |         | Aluminum die casting | Black painting           |

## Component Parts List

| No. | Name            | Material        | Part No.    |          |             |
|-----|-----------------|-----------------|-------------|----------|-------------|
|     |                 |                 | NAW3050     | NAW4050  | NAW4050-N06 |
| ③   | Valve Ass'y     | Brass • NBR     | 1315217A    | 1316216A | 1316217A    |
| ④   | Filter Element  | Bronze          | 111585      | 1116103  | 1116103     |
| ⑤   | Baffle          | ABS             | 1315541     | 1316271  | 1316271     |
| ⑥   | Diaphragm Ass'y | NBR             | 1315215A    | 1316211A | 1316211A    |
| ⑦   | Deflector       | ABS             | 1315540     | 1316270  | 1316270     |
| ⑧   | Bowl Ass'y      | Polycarbonate   | NC300F      | NC400F   | NC400F      |
| ⑨   | Valve Spring    | Stainless Steel | 131525      | 1316173  | 1316173     |
| ⑩   | Bowl O-ring     | NBR             | 111512      | 111636   | 111636      |
| ⑪   | Valve O-ring    | NBR             | 131591      | 131695   | 131695      |
| ⑫   | O-ring          | NBR             | JIS B2401P5 | P5       | P5          |

## NAW3050•4050

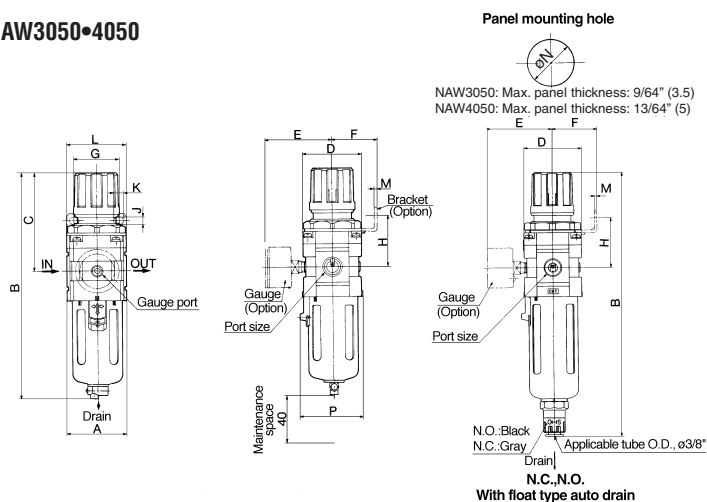
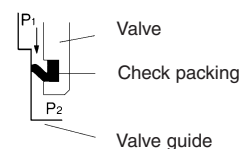
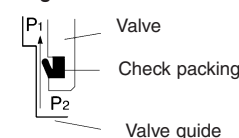


Figure 2



When primary pressure is applied

**Figure 3**

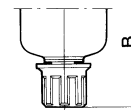


When primary pressure is exhausted

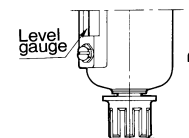
When primary pressure is higher than set pressure, the check seal opens and the regulator works as a normal pressure relief valve. (See fig. 2). In the bottom valve chamber, the secondary pressure flows through the hole in the valve stem. When the primary pressure is blocked, the check seal folds and the pressure in the bottom valve chamber passes to the primary pressure side (See fig. 3). Because the flow area of the check seal is larger than that of the hole in the valve stem, differential pressure is created between the top and bottom chambers of the valve and the valve opens. The diaphragm is then pushed down by the pressure adjustment spring to let the valve fully open. The secondary pressure then rapidly discharges to the primary pressure side.

### Semi-standard Type/Dimensions

### Metal Bowl



### Metal bowl with level gauge



| Model              | Metal bowl    | Metal bowl with level gauge |
|--------------------|---------------|-----------------------------|
|                    | B             | B                           |
| <b>NAW3050</b>     | 8.68 (220.5)  | 9.47 (240.5)                |
| <b>NAW4050</b>     | 10.71 (272)   | 11.50 (292)                 |
| <b>NAW4050-N06</b> | 10.89 (276.5) | 11.67 (296.5)               |

| Model       | Port size       | A            | B               | C              | D            | E            | With Bracket |              |              |              |               |              |              | N              | P            | w/ auto drain |
|-------------|-----------------|--------------|-----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|----------------|--------------|---------------|
|             |                 |              |                 |                |              |              | F            | G            | H            | J            | K             | L            | M            |                |              | Float Type    |
|             |                 |              |                 |                |              |              |              |              |              |              |               |              |              |                |              | B             |
| NAW3050     | 1/4 • 3/8       | 2.09<br>(53) | 8.17<br>(207.5) | 3.64<br>(92.5) | 2.09<br>(53) | 2.44<br>(62) | 1.61<br>(41) | 1.57<br>(40) | 1.81<br>(46) | .26<br>(6.5) | .31<br>(8)    | 2.09<br>(53) | .09<br>(2.3) | 1.67<br>(42.5) | 2.20<br>(56) | 9.78 (248.5)  |
| NAW4050     | 1/4 • 3/8 • 1/2 | 2.76<br>(70) | 10.20<br>(259)  | 4.41<br>(112)  | 2.76<br>(70) | 2.76<br>(70) | 1.97<br>(50) | 2.13<br>(54) | 2.13<br>(54) | .33<br>(8.5) | .41<br>(10.5) | 2.76<br>(70) | .09<br>(2.3) | 2.07<br>(52.5) | 2.87<br>(73) | 11.81 (300)   |
| NAW4050-N06 | 3/4             | 2.93<br>(75) | 10.35<br>(263)  | 4.49<br>(114)  | 2.76<br>(70) | 2.91<br>(74) | 1.97<br>(50) | 2.20<br>(56) | 2.20<br>(56) | .33<br>(8.5) | .41<br>(10.5) | 2.76<br>(70) | .09<br>(2.3) | 2.07<br>(52.5) | 2.87<br>(73) | 11.97 (304)   |

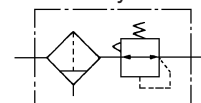
### Mist Separator/Regulator

NAWM2000, 3000, 4000



- Combination Mist Separator/Regulator that provides 0.3μm filtration.
- Combination of the Mist Separator and Regulator saves space.
- Modular design connects with other SMC air preparation equipment.

ANSI Symbol



NAWM4000-N04



NAWM2000-N02-C

### Specifications

| Model                              | NAWM2000                  | NAWM3000   | NAWM4000        |
|------------------------------------|---------------------------|------------|-----------------|
| Port size NPT                      | 1/8 • 1/4                 | 1/4 • 3/8  | 1/4 • 3/8 • 1/2 |
| 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)     |            |                 |
| Gauge connecting port              | 1/8 NPT                   | 1/8 NPT    | 1/4 NPT         |
| Ambient & media temperature        | 23° ~ 140° F (-5 ~ 60° C) |            |                 |
| Filtration                         | 0.3μm                     |            |                 |
| Flow capacity SCFM*                | 5.3                       | 11.7       | 29              |
| Bowl material                      | Polycarbonate             |            |                 |
| Construction/Regulator             | Relieving style           |            |                 |
| Weight lbs. (kgf)                  | .97 (0.44)                | 1.3 (0.59) | 2.76 (1.25)     |
| Bowl guard-STD                     | ●                         | ●          | ●               |

\* Supply Pressure = 70 psig



NAWM3000-N03BG



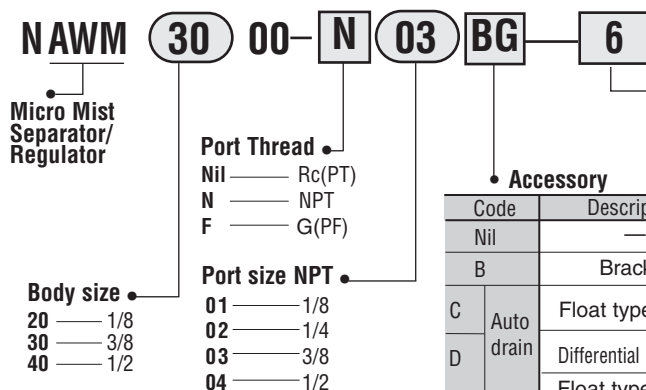
NAWM2000-N02BG-C

### Accessories (Optional)

| Name                             | Part No.        |                 |                 |
|----------------------------------|-----------------|-----------------|-----------------|
|                                  | NAWM2000        | NAWM3000        | NAWM4000        |
| Bracket                          | B220            | B320            | B420            |
| Pressure gauge                   | K40A-MP1.0-N01M | K40A-MP1.0-N01M | K50A-MP1.0-N02M |
| Float Auto drain*                | N.O.            | NAD43           | NAD44           |
|                                  | N.C.            | NAD53           | NAD54           |
| Differential pressure auto drain | NAD62-C         | —               | —               |

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

## How To Order



## Optional specifications

- Nil — None
- 1\* — 3~30psig (0.02 ~ 0.2MPa) setting
- 2 — Metal bowl
- 4\* — 3~30psig (0.02 ~ 0.4MPa) setting
- 6 — Nylon bowl
- 8 — Metal bowl with level gauge (only NAWM3000-NAWM4000)
- C — With bowl guard (Only NAWM2000)
- J — Drain Guide 1/4 Pipe Thread
- N — Non-relieving
- R — IN-OUT reversal
- W — Drain Cock with Barb Fitting for Nylon tube (ø6mm OD/ø4mm ID)

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

\*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.

## Accessories and Combinations

- ▼ Combination
- No Combination
- Refer to "How to Order"

| Accessories                      | Suffix | D | D | C | 1 | 2 | 4 | 6 | 8 | C | J | N | R | W | Applicable Model |          |          |
|----------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|----------|----------|
|                                  |        |   |   |   |   |   |   |   |   |   |   |   |   |   | NAWD2000         | NAWD3000 | NAWD4000 |
| Differential pressure auto drain | D      |   |   |   | ▼ | ▼ | ▼ | ▼ | ● | ● | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| Float auto drain (N.O)           | D      |   |   |   | ▼ | ▼ | ▼ | ▼ | ● | ● | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| Float auto drain (N.C)           | C      |   |   |   | ▼ | ▼ | ▼ | ▼ | ● | ● | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| 3 ~ 30 psi (0.02 ~ 0.2 MPa)      | -1     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| Metal bowl                       | -2     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| 3 ~ 60 psi (0.02 ~ 0.4 MPa)      | -4     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| Nylon bowl                       | -6     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| Metal bowl with level gauge      | -8     |   | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |   | ● | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| With bowl guard                  | -C     | ▼ |   |   | ▼ | ▼ | ▼ | ▼ |   |   | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| Drain guide (1/4)                | -J     |   |   |   | ▼ | ▼ | ▼ | ▼ | ● | ● | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| Non-relieving                    | -N     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| IN-OUT reversal (Right - Left)   | -R     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| With barb fitting                | -W     |   |   |   | ▼ | ▼ | ▼ | ▼ |   |   | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |

## Setting

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



- Clockwise rotation of the knob results in a pressure increase and vice-versa.
- Check supply pressure before adjusting pressure.

## Precautions

## &lt;Installation&gt;

- Air flush piping before installation.
- Use of the piping adaptors will ease installation.

## &lt;Atmosphere&gt;

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

## &lt;Auto Drain&gt;

## 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.
- Unsuitable for flow below 3.5 scfm(100Nl/min).
- Min. operating pressure 15 psig (0.1 MPa).

## Float type (Normally closed)

- Suitable for a compressor with capacity lower than 0.75kw.
- Min. operating pressure 22 psig (0.15 MPa).
- Drain piping should be 5/32 in. (4mm) or greater and also less than 16.5 ft. (5m) in length.
- Install vertically.

## Differential type

- Min. operating pressure 15 psig (0.1 MPa).
- 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.
- Install vertically.

## Maintenance

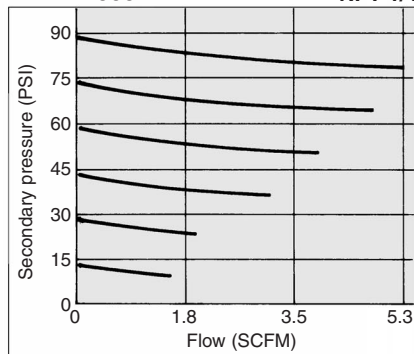
Filter element to be changed after 1 year of when a pressure drop of 15 psi (0.1 MPa) is reached.

## Mist Separator/Regulator

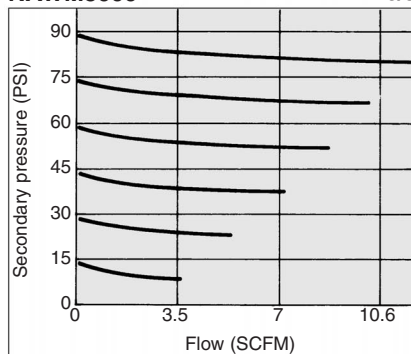
NAWM2000, 3000, 4000

Conditions: Supply pressure - 100 PSI

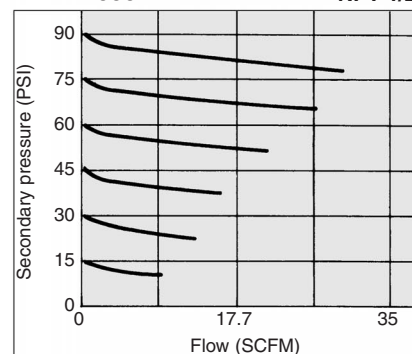
**NAWM2000 NPT 1/4**



**NAWM3000 NPT 3/8**

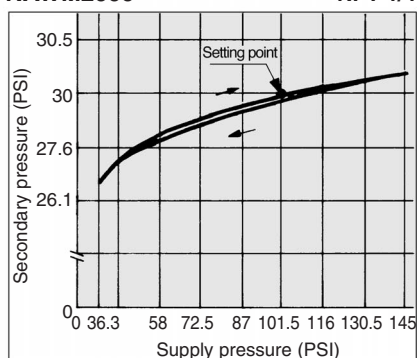


**NAWM4000 NPT 1/2**

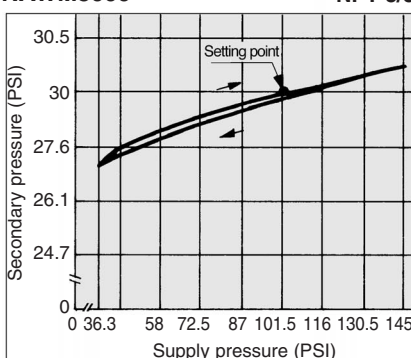


Conditions—100psi Supply Pressure, 30psi Set Pressure, .71SCFM Flow Rate

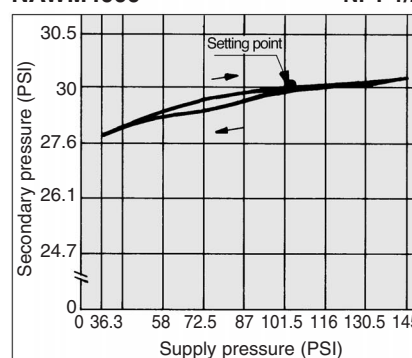
**NAWM2000 NPT 1/4**



**NAWM3000 NPT 3/8**

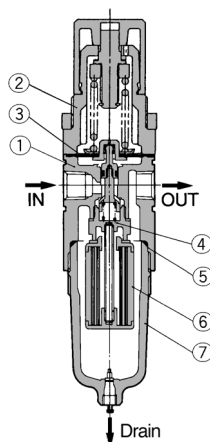


**NAWM4000 NPT 1/2**

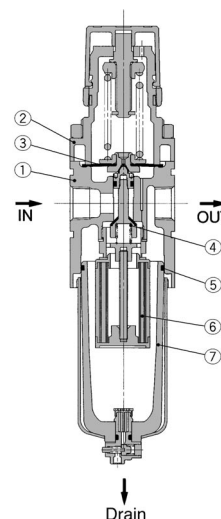


## Construction/Parts List

**NAWM2000**



**NAWM3000•4000**



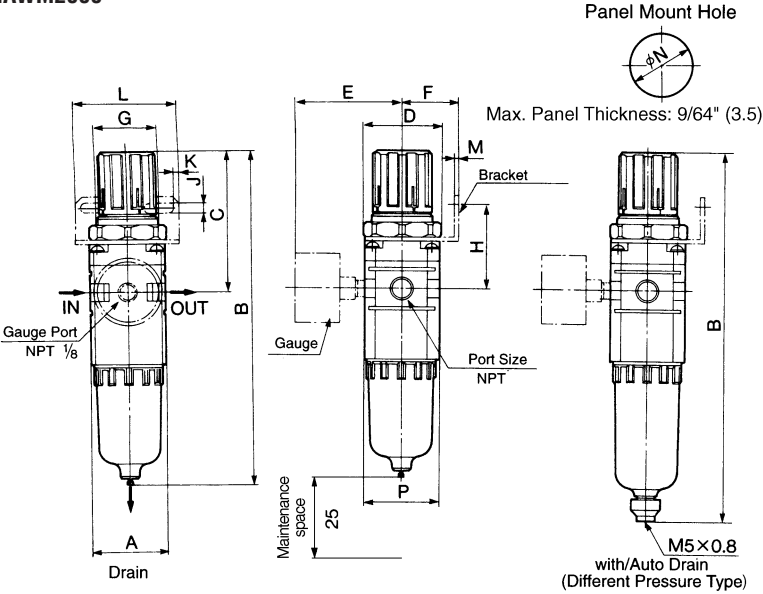
## Main Parts

| No. | Name   | Material      |                   |                   | Note                     |
|-----|--------|---------------|-------------------|-------------------|--------------------------|
|     |        | NAWM2000      | NAWM3000          | NAWM4000          |                          |
| ①   | Body   | Zinc Die Cast | Aluminum Die Cast |                   | Platinum silver painting |
| ②   | Bonnet | Polyacetal    |                   | Aluminum Die Cast | Black painting           |

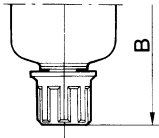
## Component Parts List

| No. | Parts Name           | Material          | Part No. |          |          |
|-----|----------------------|-------------------|----------|----------|----------|
|     |                      |                   | NAWM2000 | NAWM3000 | NAWM4000 |
| ③   | Diaphragm ass'y      | NBR               | 1349161A | 131515A  | 131614A  |
| ④   | Valve Guide          | ZDC               | 131426   | 131565   | 131665   |
| ⑤   | Bowl O-ring          | NBR               | 11297    | 111512   | 111636   |
| ⑥   | Element Ass'y        | -                 | 630611   | 630617   | 630623   |
| ⑦   | Bowl and Guard Ass'y | Polycarbonate/SPC | NC200F-C | NC300F   | NC400F   |

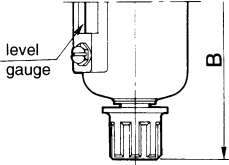
NAWM2000



with metal bowl



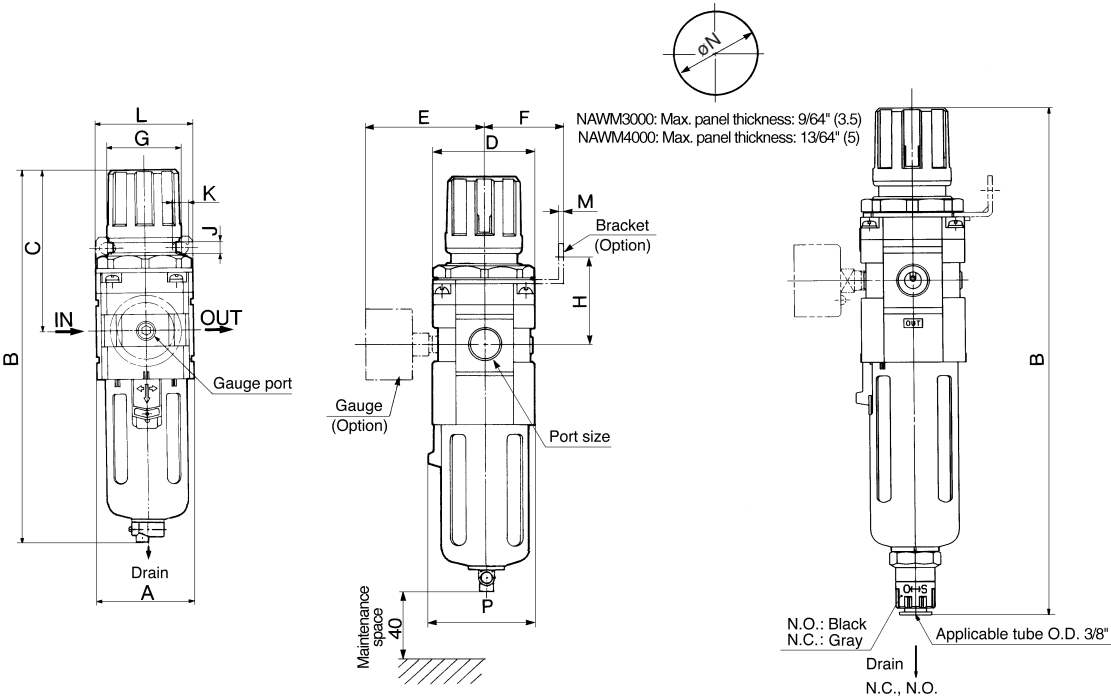
metal bowl with level gauge



| Model    | Metal bowl    | Metal bowl with level gauge |
|----------|---------------|-----------------------------|
|          | B             | B                           |
| NAWM2000 | 54.71 (179.5) | —                           |
| NAWM3000 | 71.78 (235.5) | 77.87 (255.5)               |
| NAWM4000 | 87.47 (287)   | 93.57 (307)                 |

NAWM3000 • 4000

Panel mounting hole



With float type auto drain

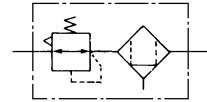
| Model    | Port Size<br>NPT | A            | B               | C              | D            | E            | With Bracket |              |              |              |               |              |              | N              | P            | With Auto Drain  |                       |
|----------|------------------|--------------|-----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|----------------|--------------|------------------|-----------------------|
|          |                  |              |                 |                |              |              | F            | G            | H            | J            | K             | L            | M            |                |              | Float            | Differential Pressure |
|          |                  |              |                 |                |              |              |              |              |              |              |               |              |              |                |              | B                | B                     |
| NAWM2000 | 1/8 • 1/4        | 1.57<br>(40) | 7.07<br>(179.5) | 3.07<br>(78)   | 1.69<br>(43) | 2.28<br>(58) | 1.18<br>(30) | 1.34<br>(34) | 1.73<br>(44) | .21<br>(5.4) | .61<br>(15.4) | 2.17<br>(55) | .09<br>(2.3) | 1.32<br>(33.5) | 1.57<br>(40) | —                | 7.93<br>(201.5)       |
| NAWM3000 | 1/4 • 3/8        | 2.09<br>(53) | 8.76<br>(222.5) | 3.64<br>(92.5) | 2.09<br>(53) | 2.44<br>(62) | 1.61<br>(41) | 1.57<br>(40) | 1.81<br>(46) | .26<br>(6.5) | .31<br>(8.0)  | 2.09<br>(53) | .09<br>(2.3) | 1.67<br>(42.5) | 2.20<br>(56) | 10.37<br>(263.5) | —                     |
| NAWM4000 | 1/4 • 3/8 • 1/2  | 2.76<br>(70) | 10.79<br>(274)  | 4.41<br>(112)  | 2.76<br>(70) | 2.76<br>(70) | 1.97<br>(50) | 1.97<br>(50) | 2.13<br>(54) | .33<br>(8.5) | .41<br>(10.5) | 2.76<br>(70) | .09<br>(2.3) | 2.07<br>(52.5) | 2.87<br>(73) | 12.40<br>(315)   | —                     |

Micro Mist Separator/Regulator  
NAWD2000, 3000, 4000

- Combination Micro Mist Separator/Regulator that provides 0.01μm filtration
- Combination Micro Mist Separator/Regulator saves space
- Use for instrumentation quality air
- Modular design connects with other SMC air preparation equipment



ANSI Symbol



NAWD3000-N03



NAWD2000-N02



NAWD3000-N03BG



NAWD2000-N02BG-C

### Specifications

| Model                              | NAWD2000                 | NAWD3000   | NAWD4000        |
|------------------------------------|--------------------------|------------|-----------------|
| Port size NPT                      | 1/8 • 1/4                | 1/4 • 3/8  | 1/4 • 3/8 • 1/2 |
| 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)    |            |                 |
| Gauge connecting port              | 1/8 NPT                  | 1/8 NPT    | 1/4 NPT         |
| Ambient & media temperature        | 23° ~140° F (-5 ~ 60° C) |            |                 |
| Filtration                         | 0.01μm                   |            |                 |
| Flow capacity SCFM*                | 3.2                      | 6.4        | 15.9            |
| Bowl material                      | Polycarbonate            |            |                 |
| Construction/Regulator             | Relieving style          |            |                 |
| Weight lbs. (kgf)                  | .97 (0.44)               | 1.3 (0.59) | 2.76 (1.25)     |
| Bowl guard-STD                     | ●                        | ●          | ●               |

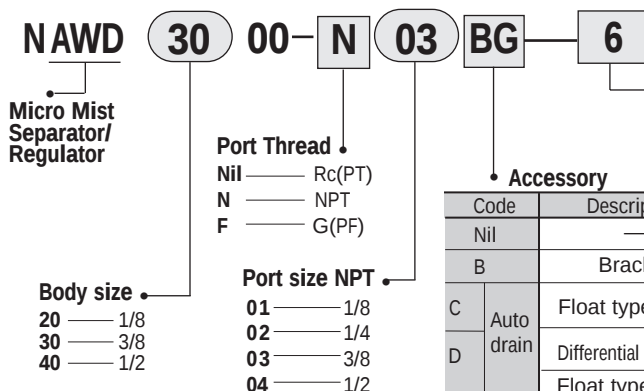
\* Supply Pressure = 70 psig

### Accessories (Optional)

| Type                             |      | Part No.        |                 |                 |
|----------------------------------|------|-----------------|-----------------|-----------------|
|                                  |      | NAWD2000        | NAWD3000        | NAWD4000        |
| Bracket                          |      | B220            | B320            | B420            |
| Pressure gauge                   |      | K40A-MP1.0-N01M | K40A-MP1.0-N01M | K50A-MP1.0-N02M |
| Float auto drain*                | N.O. | -               | NAD43           | NAD44           |
|                                  | N.C. | —               | NAD53           | NAD54           |
| Differential pressure auto drain |      | NAD62-C         | -               | -               |

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

## How To Order



## Optional specifications

- Nil — None
- 1\* — 3-30psig (0.02 ~ 0.2MPa) setting
- 2 — Metal bowl
- 4\* — 3-30psig (0.02 ~ 0.4MPa) setting
- 6 — Nylon bowl
- 8 — Metal bowl with level gauge (only NAWD3000-NAWD4000)
- C — With bowl guard (Only NAWD2000)
- J — Drain Guide 1/4 Pipe Thread
- N — Non-relieving
- R — IN-OUT reversal
- W — Drain Cock with Barb Fitting for Nylon tube (ø6mm OD/ø4mm ID)
- When specifying more than one option, please list numerically, then alphabetically.
- \*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.

## Accessories and Combinations

- ▼ Combination
- No Combination
- Refer to "How to Order"

| Accessories                      | Suffix | D | D | C | 1 | 2 | 4 | 6 | 8 | C | J | N | R | W | Applicable Model |          |          |
|----------------------------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------|----------|----------|
|                                  |        |   |   |   |   |   |   |   |   |   |   |   |   |   | NAWD2000         | NAWD3000 | NAWD4000 |
| Differential pressure auto drain | D      |   |   |   | ▼ | ▼ | ▼ | ▼ | ● | ● | ▼ | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| Float auto drain (N.O.)          | D      |   |   |   | ▼ | ▼ | ▼ | ▼ | ● |   | ▼ | ▼ | ▼ | ▼ |                  | ▼        | ▼        |
| Float auto drain (N.C.)          | C      |   |   |   | ▼ | ▼ | ▼ | ▼ | ● |   | ▼ | ▼ | ▼ | ▼ |                  | ▼        | ▼        |
| 3 ~ 30 psi (0.02 ~ 0.2 MPa)      | -1     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| Metal bowl                       | -2     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● |   | ● | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| 3 ~ 60 psi (0.02 ~ 0.4 MPa)      | -4     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| Nylon bowl                       | -6     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| Metal bowl with level gauge      | -8     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| With bowl guard                  | -C     | ▼ |   |   | ▼ | ▼ | ▼ | ▼ |   |   |   | ▼ | ▼ | ▼ | ▼                |          |          |
| Drain guide (1/4)                | -J     |   |   |   | ▼ | ▼ | ▼ | ▼ | ● |   |   | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| Non-relieving type               | -N     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| IN-OUT reversal (Right - Left)   | -R     | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |
| With barb fitting                | -W     |   |   |   | ▼ | ▼ | ▼ | ▼ |   |   |   | ▼ | ▼ | ▼ | ▼                | ▼        | ▼        |

## Setting

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



- ❷ Clockwise rotation of the knob results in a pressure increase and vice-versa.
- ❸ Check supply pressure before adjusting pressure.

## Precautions

## &lt;Installation&gt;

- ❶ Air flush piping before installation.
- ❷ Use of the piping adaptors will ease installation.

## &lt;Atmosphere&gt;

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

## &lt;Auto Drain&gt;

## Float type (Normally open)

- ❶ 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 3.5 scfm(100Nl/min).
- ❸ Min. operating pressure 15 psig (0.1 MPa).

## Float type (Normally closed)

- ❶ Suitable for a compressor with capacity lower than 0.75kw.
- ❷ Min. operating pressure 22 psig (0.15 MPa).
- ❸ Drain piping should be 5/32 in. (4mm) or greater and also less than 16.5 ft. (5m) in length.
- ❹ Install vertically.

## Differential type

- ❶ Min. operating pressure 15 psig (0.1 MPa).
- 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.

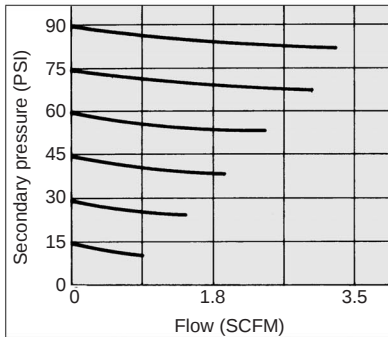
- ❸ Install vertically.

## Maintenance

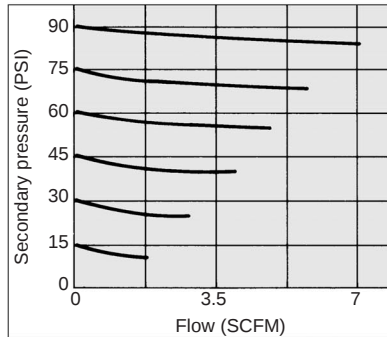
Filter element to be changed after 1 year of when a pressure drop of 15 psi (0.1 MPa) is reached.

Condition Supply Pressure - 100 PSI

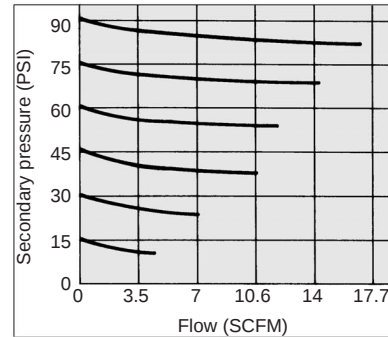
**NAWD2000 NPT 1/4**



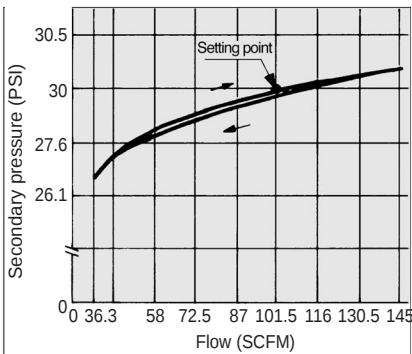
**NAWD3000 NPT 3/8**



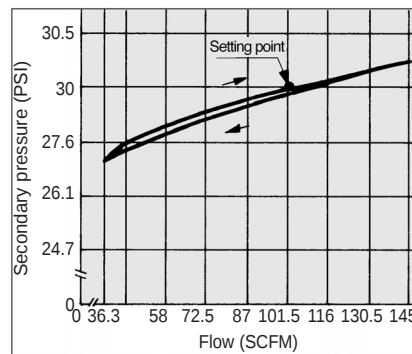
**NAWD4000 NPT 1/2**



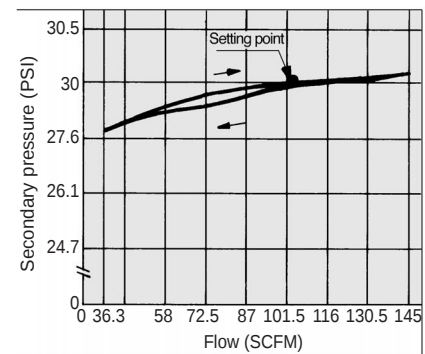
**NAWD2000 NPT 1/4**



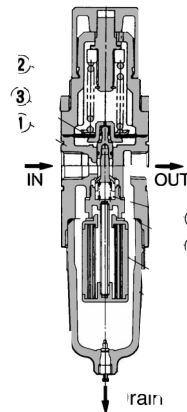
**NAWD3000 NPT 3/8**



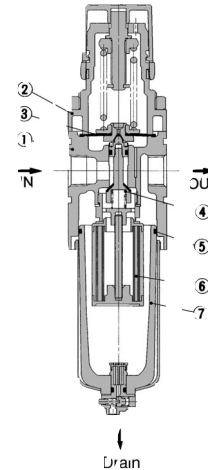
**NAWD4000 NPT 1/2**



**NAWD2000**



**NAWD3000-4000**



## Main Parts

| No. | Name   | Material      |                   |                   | Note                     |
|-----|--------|---------------|-------------------|-------------------|--------------------------|
|     |        | NAWD2000      | NAWD3000          | NAWD4000          |                          |
| ①   | Body   | Zinc Die Cast | Aluminum Die Cast |                   | Platinum silver painting |
| ②   | Bonnet | Polyacetal    |                   | Aluminum Die Cast | Black painting           |

## Component Parts List

| No. | Parts Name           | Material          | Part No. |          |          |
|-----|----------------------|-------------------|----------|----------|----------|
|     |                      |                   | NAWD2000 | NAWD3000 | NAWD4000 |
| ③   | Diaphragm ass'y      | NBR               | 134916A  | 131515A  | 131614A  |
| ④   | Valve Guide          | ZDC               | 131426   | 131565   | 131665   |
| ⑤   | Bowl O-ring          | NBR               | 11297    | 111512   | 11636    |
| ⑥   | Element ass'y        | -                 | 63092    | 63093    | 63094    |
| ⑦   | Bowl and Guard ass'y | Polycarbonate/SPC | NC200F-C | NC300F   | NC400F   |