

# NF series Air Filter

## Product features/ Characteristics graph

**CHELIC**



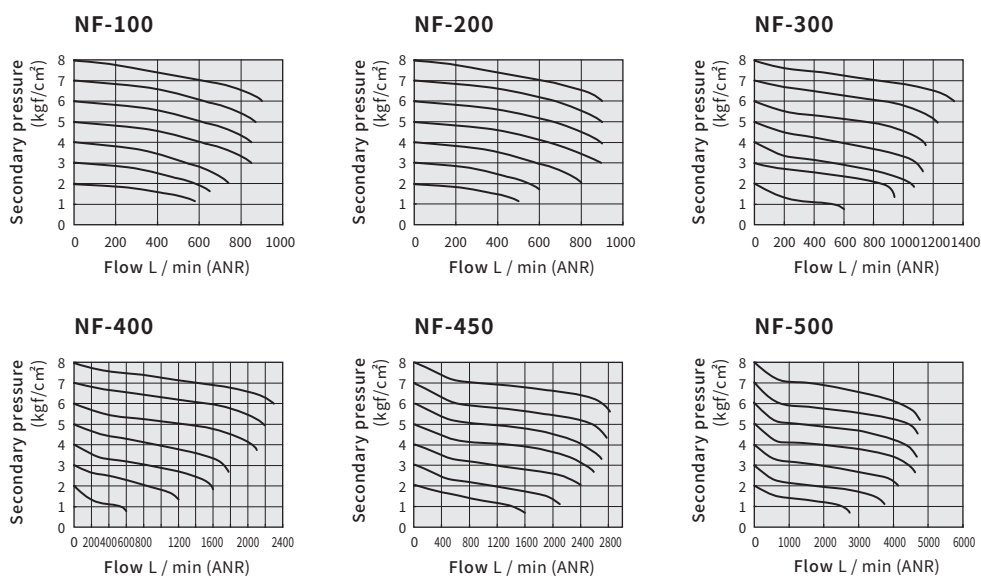
Symbol:



### Specification

| Item                  | Model                     | NF-100                 | NF-200   | NF-300   | NF-400        | NF-450   | NF-500 |
|-----------------------|---------------------------|------------------------|----------|----------|---------------|----------|--------|
| Fluid                 |                           | Air                    |          |          |               |          |        |
| Port size             | Rc                        | M5, 1/8                | 1/8, 1/4 | 1/4, 3/8 | 1/4, 3/8, 1/2 | 1/2, 3/4 | 3/4, 1 |
| Filter grade          |                           | 5μm                    |          |          |               |          |        |
| Pressure range        | kgf/cm <sup>2</sup> (kPa) | 0.5 ~ 8.5 ( 50 ~ 850 ) |          |          |               |          |        |
| Max. service pressure | kgf/cm <sup>2</sup> (kPa) | 9.5 ( 950 )            |          |          |               |          |        |
| Temperature           | °C                        | 5 ~ 60                 |          |          |               |          |        |
| Bowl capacity         | cc                        | 5                      | 15       | 30       | 60            | 100      | 100    |
| Weight                | kg                        | 0.18                   | 0.21     | 0.34     | 0.45          | 0.85     | 1.15   |
| Material              | Main body                 | Aluminum die cast      |          |          |               |          |        |
|                       | Bowl                      | Relieving type         |          |          |               |          |        |

### Flow rate characteristic graph



Note : The flow rate dropping might be caused by working environment with dirt and objects; filter element is suggested to replace from time to time.

NC

NFC

PSN-10  
30,41

NFR

MFR

MFRD

NF

MF

MFD

NR

ARX

NPR

NL

N

DM

ERX

ERP

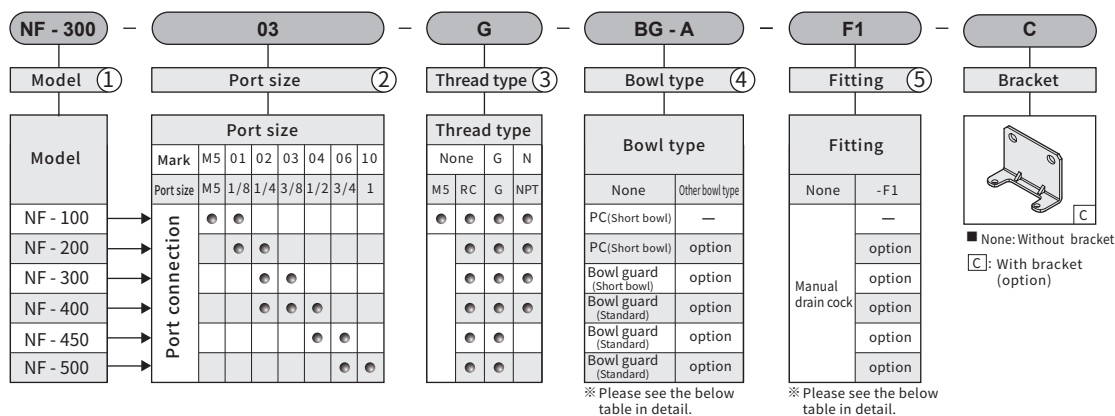
PG/AFB  
NDV/AD

# NF series Air Filter

## Code of order

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### Code of order



### Bowl and Drain cock type

### With Fitting - F1

### NF-100~200 type - Bowl and Drain cock type -

| Bowl type       | PC (Short bowl)   |                       | Bowl guard (Short bowl) |                       | PC (Long bowl) | Bowl guard (Long bowl) |            | Metal (Long bowl) |
|-----------------|-------------------|-----------------------|-------------------------|-----------------------|----------------|------------------------|------------|-------------------|
| Drain cock type | Manual drain cock | Differential pressure | Manual drain cock       | Differential pressure | Auto drain     | Auto drain             | Auto drain | Auto drain        |
| Model           | -H                | -A                    | -BG-H                   | -BG-A                 | -LG-A          | -LBG-A                 | -LMG-H     | -LMG-H            |
| NF-100          | ● (standard)      | —                     | —                       | —                     | —              | —                      | —          | —                 |
| NF-200          | ● (standard)      | ● (option)            | ● (option)              | ● (option)            | ● (option)     | ● (option)             | ● (option) | ● (option)        |

### NF-100~200 type - With Fitting - F1 -

| NF-100/200  | — | ● (standard)                | ● (option)                  | ● (standard)                | ● (option)          | ● (option)          | — |
|-------------|---|-----------------------------|-----------------------------|-----------------------------|---------------------|---------------------|---|
| Description |   | Note.1<br>(Fitting outside) | Note.1<br>(Fitting outside) | Note.1<br>(Fitting outside) | (PF1/8 Male thread) | (PF1/8 Male thread) |   |

### NF-300~500 type - Bowl and Drain cock type -

| Bowl type       | Bowl guard (Standard) |                       |            | Bowl guard (Long bowl) |            | Metal (Long bowl) |            |
|-----------------|-----------------------|-----------------------|------------|------------------------|------------|-------------------|------------|
| Drain cock type | Manual drain cock     | Differential pressure | Auto drain | Manual drain cock      | Auto drain | Manual drain cock | Auto drain |
| Model           | -H                    | -S                    | -A         | -LG-H                  | -LG-A      | -MG-H             | -MG-A      |
| NF-300          | ● (standard short)    | ● (option)            | —          | ● (option)             | ● (option) | ● (option)        | ● (option) |
| NF-400          | ● (standard)          | ● (option)            | ● (option) | —                      | —          | ● (option)        | ● (option) |
| NF-450          | ● (standard)          | ● (option)            | ● (option) | —                      | —          | ● (option)        | ● (option) |
| NF-500          | ● (standard)          | ● (option)            | ● (option) | —                      | —          | ● (option)        | ● (option) |

### NF-300~500 type - With Fitting - F1 -

| NF-300~500 Note | ● (option) | ● (option) | ● (standard) | ● (option) | ● (standard) | ● (option) | ● (standard) |
|-----------------|------------|------------|--------------|------------|--------------|------------|--------------|
|-----------------|------------|------------|--------------|------------|--------------|------------|--------------|

Note : 1. NF200 series are outside fitting , others are inside fitting ; please refer to P.1-1.06 auto drain construction.

2. NF300 series are standard manual type. (-H Short bowl type)

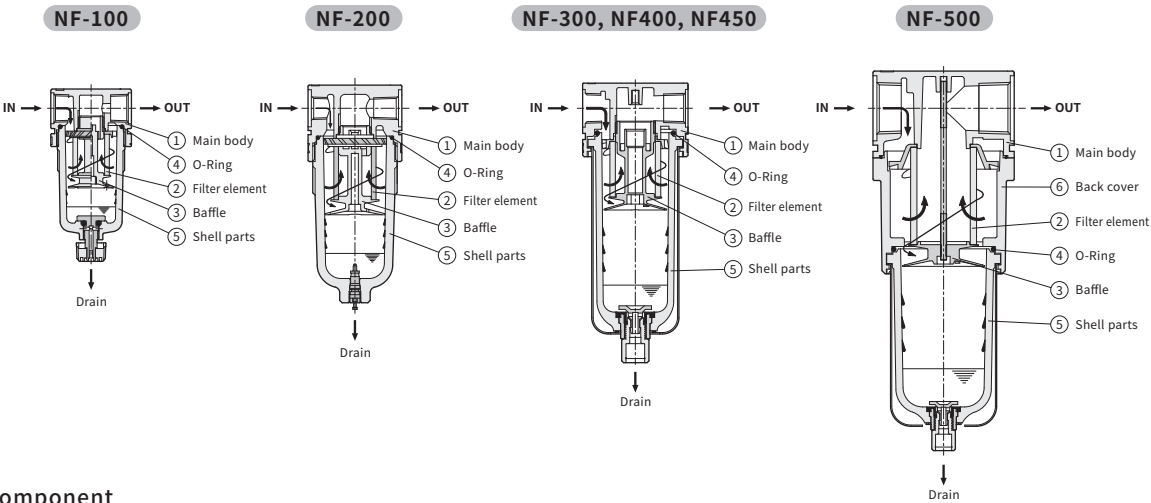
3. (standard): Standard accessory; (option): Optional accessory.

# NF series Air Filter

## Product features

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### Internal structure



### Component

| Number | Accessory  | Material                              |                | Note |
|--------|------------|---------------------------------------|----------------|------|
|        |            | NF100 · NF200 · NF300 · NF400 · NF450 | NF500          |      |
| 1      | Main body  | Aluminum alloy                        |                |      |
| 6      | Back cover | —                                     | Aluminum alloy |      |

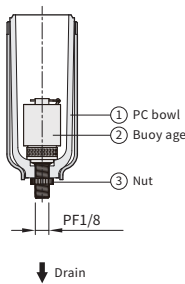
### Replacement parts

| Number | Accessory      | Material |       |           |       |       |       | Note |
|--------|----------------|----------|-------|-----------|-------|-------|-------|------|
|        |                | NF100    | NF200 | NF300     | NF400 | NF450 | NF500 |      |
| 2      | Filter element | EA30     |       |           |       |       |       |      |
| 3      | Baffle         | POM      |       |           |       |       |       |      |
| 4      | O-ring         | NBR      |       |           |       |       |       |      |
| 5      | Shell parts    | PC       | PC    | PC + SS41 |       |       |       |      |

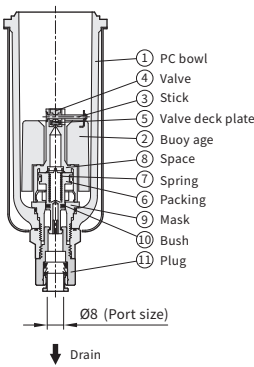
Note : NF200 are included bowl guard. (Material: Aluminum alloy)  
The shell parts in NF300-NF500 is included Bowl guard ( Material: SS41)

### Auto drain structure theory

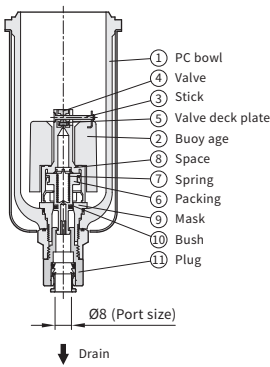
● Suitable for: N200  
Model: AD-25



● Suitable for: N300  
Model: AD-35



● Suitable for: N400, N450, N500  
Model: AD-55

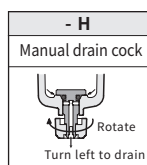
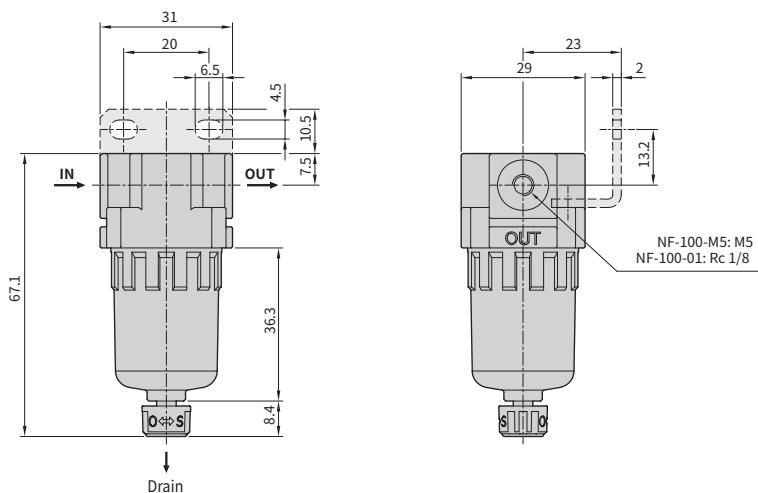


# NF series Air Filter

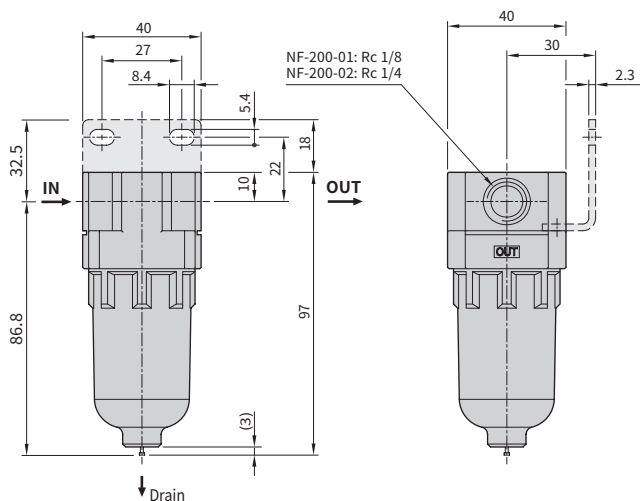
## Dimensions

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● NF - **100** -  - **H** Standard

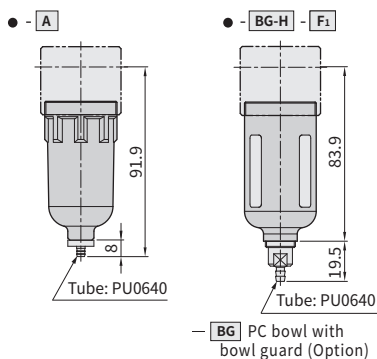


● NF - **200** -  - **H**

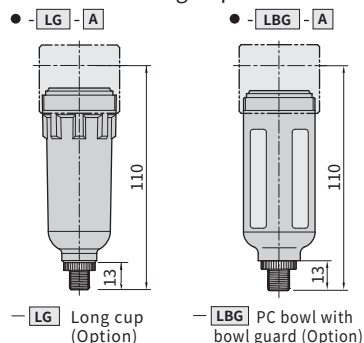


| - H                          | - BG-H - F1                                  | - A                                                    | - LG - A           | - LBG - A          |
|------------------------------|----------------------------------------------|--------------------------------------------------------|--------------------|--------------------|
| Manual drain cock (standard) | Manual drain cock (With bowl guard, Fitting) | Auto drain (Differential pressure should be above 1kg) | Auto drain (AD-25) | Auto drain (AD-25) |
|                              |                                              |                                                        |                    |                    |

Manual drain cock-Standard



Auto drain-Long cup

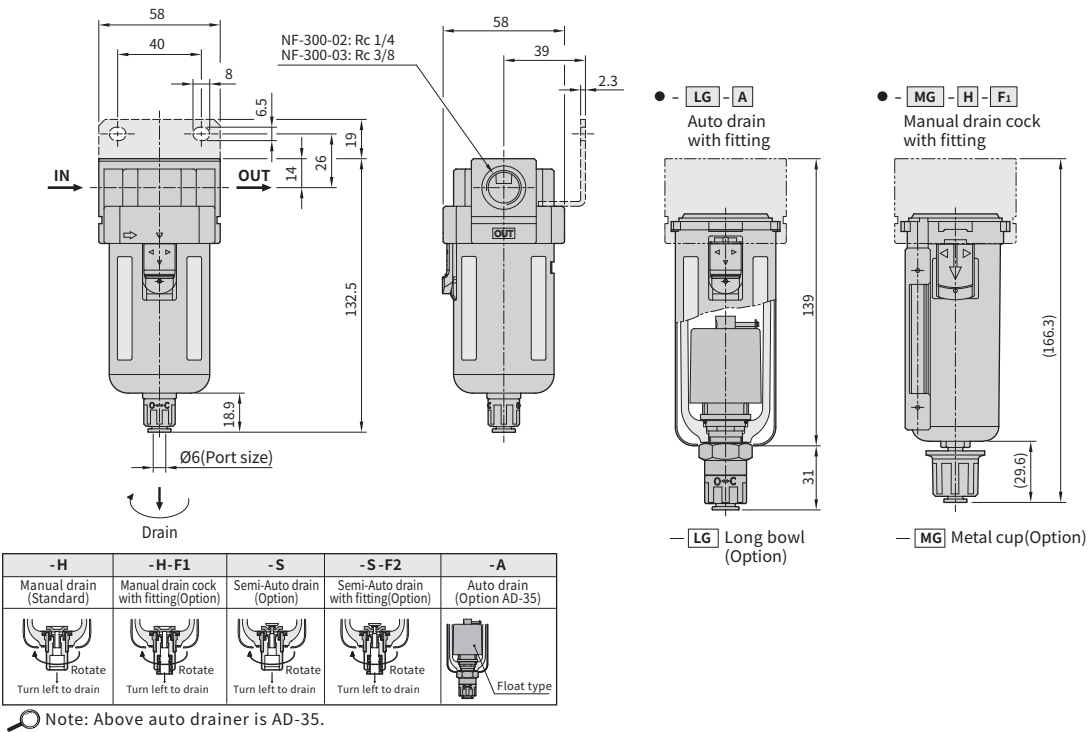


# NF series Air Filter

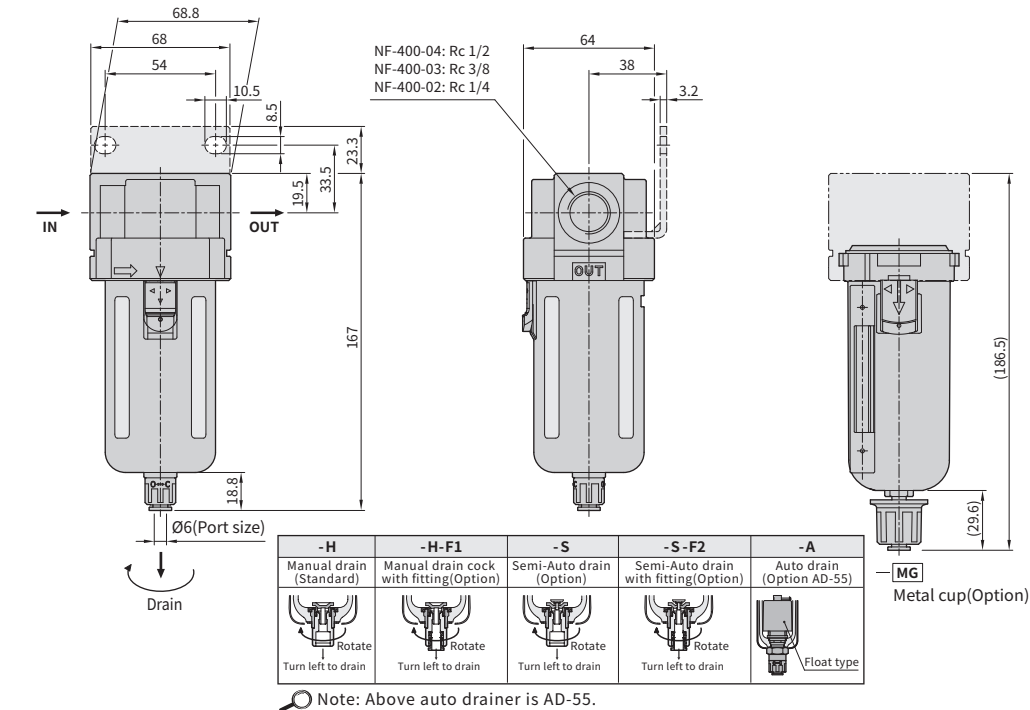
## Dimensions

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● NF - 300 - [ ] - H Standard



● NF - 400 - [ ] - H Standard



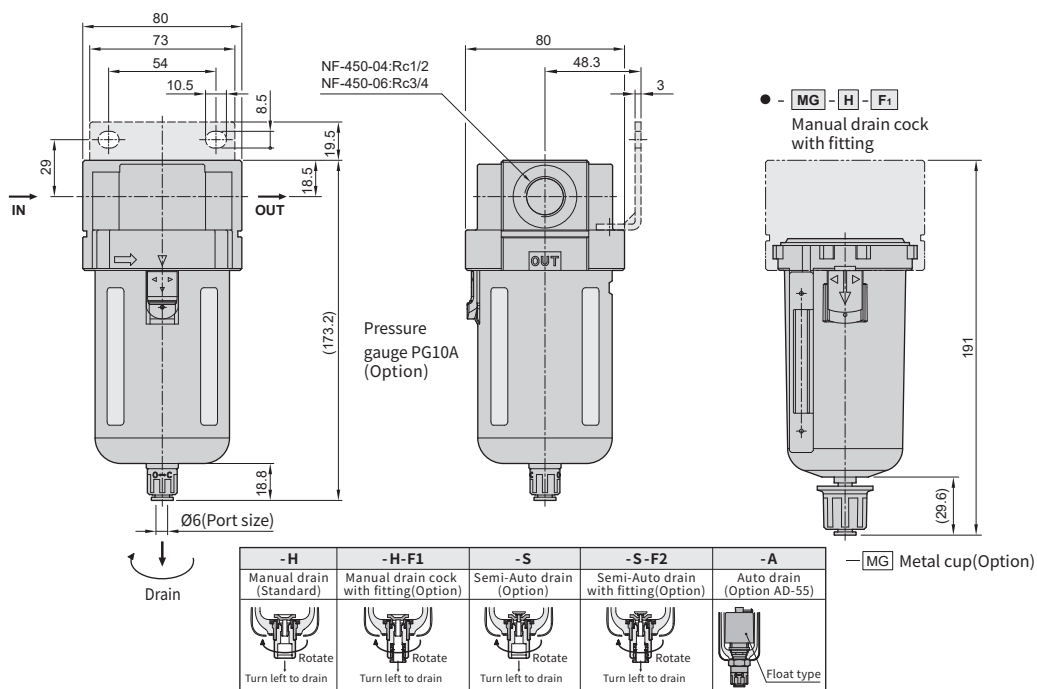
|                  |
|------------------|
| NC               |
| NFC              |
| PSN-10<br>30,41  |
| NFR              |
| MFR              |
| MFRD             |
| NF               |
| MF               |
| MFD              |
| NR               |
| ARX              |
| NPR              |
| NL               |
| N                |
| DM               |
| ERX              |
| ERP              |
| PG/AFB<br>NDV/AD |

# NF series Air Filter

## Dimensions

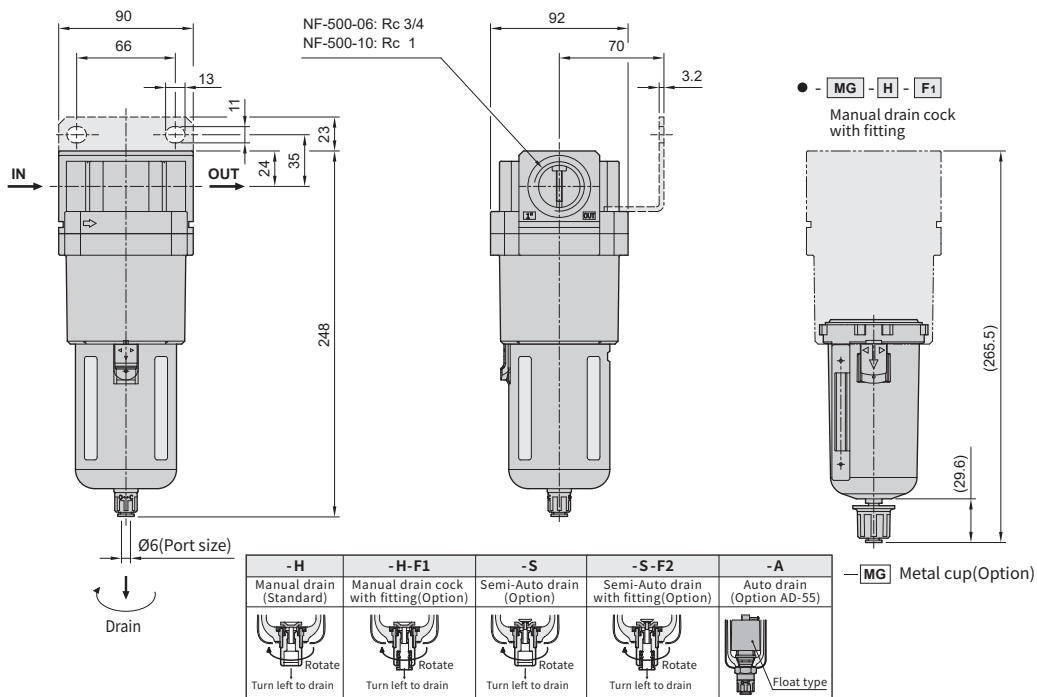
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● NF - 450 - [ ] - H Standard



Note: Above auto drainer is AD-55.

● NF - 500 - [ ] - H Standard



Note: Above auto drainer is AD-55.