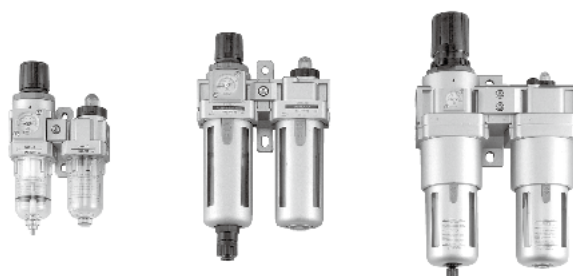


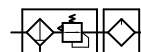
Air unit - FR.L. Combination unit

Specification / Pressure gauge & Pressure switch / Combination structure

CHELIC



Symbol :



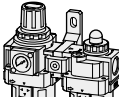
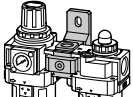
○ Specification

Item	Model	NFC-100	NFC-200	NFC-300	NFC-400	NFC-450	NFC-500
Fluid		Air					
Port size	M5/Rc/G/NPT	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	μm	5					
Pressure range	kgf/cm ² (kPa)	0.5 ~ 8.5 (50 ~ 850)					
Max. service pressure	kgf/cm ² (kPa)	9.5 (950)					
Temperature	℃	5 ~ 60					
Drain holding capacity	cc	5	15	30	60	100	100
Lubricator capacity	cc	9	25	50	90	160	160
Recommended lubricants		First class Recommended lubricants (IOS-VG32) lubricant or equivalent					
Weight	kg	0.16	0.37	0.79	1.17	2.20	2.54
Material	Main body	Aluminum die cast					
	Bowl	Polycarbonate/Aluminum bowl					
Equipment	Filter regulator	NFR-100	NFR-200	NFR-300	NFR-400	NFR-450	NFR-500
	Lubricator	NL-100	NL-200	NL-300	NL-400	NL-450	NL-500
Shell protection parts							

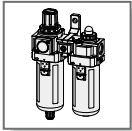
○ Pressure gauge & Pressure switch ⑥

	Pressure gauge			Pressure switch (option and additional)	
Order Code	PG5	PG10	PG22	NFC- ☐ -41-02	NFC- ☐ -41-04
Model No.	PG-05	PG-10	PG-22N	PSN-41-02	PSN-41-04
NFC-100	● (Standard)	—	—	—	—
NFC-200	—	● (Option)	● (Standard)	●	●
NFC-300	—	● (Option)	● (Standard)	●	●
NFC-400	—	● (Option)	● (Standard)	●	●
NFC-450	—	● (Option)	● (Standard)	●	●
NFC-500	—	● (Option)	● (Standard)	●	●

○ Combination structure ⑦

Figure			 With pressure switch (include bracket)	 With pressure switch (include bracket)
Order Code	Blank (Standard)	-TA (Option)	PN-100T (Option)	PN-300T (Option)
NFC-100	●	●	—	—
NFC-200	●	●	●	—
NFC-300	●	●	●	●
NFC-400	●	●	●	●
NFC-450	●	●	●	●
NFC-500	●	●	●	●

Note : 1. Standard: Standard accessory ; (option) : Accessory option
2. Pressure switch PSN10, PSN30 and PSN-41 specification, please refer to detail specification in P.1-2.26 ~ P.1-2.31



Air unit - FR.L. Combination unit

Order expression / Bowl and Drain cock type

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How to order

Order expression: **NFC - 300** - **03** - **G** - **BG - A** - **F1** - **PG 10** - **TA**

Model (1) Port size (2) Thread type (3) Bowl type (4) Fitting (5) Pressure gauge (6) Combination structure (7)

Model	Port size						Type			Bowl type		Fitting		Pressure gauge	Combination structure
	Code	M5	01	02	03	04	06	None	G	N	None	Other bowl type	None		
NFC - 100															
NFC - 200															
NFC - 300															
NFC - 400															
NFC - 450															
NFC - 500															

Port connection: M5, 1/8, 1/4, 3/8, 1/2, 3/4

Type: M5, RC, G type, NPT

Bowl type: PC (Short bowl), Bowl guard (Short bowl), Bowl guard (Standard), Bowl guard (Standard)

Fitting: Manual drain cock, option

Pressure gauge: PG-05, PG-22N, PG-10A

Combination structure: TA

None : (Standard)
Circle pressure gauge
※ For N100 series

None : (standard)
(Square pressure gauge)
(Thin mounting type)

PG-10A : Pressure gauge (option)
※ N200, N300, N400, N450, N500 series (option)

※ Please see the below table in detail.

Bowl and Drain cock type

With Fitting - F1

NFC-100~200 type - Bowl and Drain cock type - (4)

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	Manual drain cock	Auto drain	Manual drain cock	Auto drain	Auto drain
Model	-H	-A	-BG-H	-BG-A	-LG-H	-LG-A	-LBG-H	-LBG-A	-LMG-A
NFC-100	● (standard)	—	—	—	—	—	—	—	—
NFC-200	● (standard)	● (option)	● (option)	● (option)	● (option)	● (option)	● (option)	● (option)	● (option)

NFC-100~200 type - With Fitting - F1 - (5)

NFC-100/200	—	● (standard)	● (option)	● (standard)	● (option)	● (option)	● (option)	● (option)	● (option)
Description	Note.1 (Fitting outside)	Note.1 (Fitting outside)	Note.1 (Fitting outside)	Quick fitting	Quick fitting	Quick fitting	Quick fitting	Quick fitting	Quick fitting

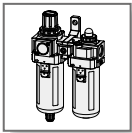
NFC-300~500 type - Bowl and Drain cock type - (4)

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
NFC-300	● (standard short)	● (option)	—	● (option)	● (option)	● (option)	● (option)
NFC-400	● (standard)	● (option)	● (option)	—	—	● (option)	● (option)
NFC-450	● (standard)	● (option)	● (option)	—	—	● (option)	● (option)
NFC-500	● (standard)	● (option)	● (option)	—	—	● (option)	● (option)

NFC-300~500 type - With Fitting - F1 - (5)

NFC-300~500 Note	● (option)	● (option)	● (option)	● (option)	● (option)	● (option)	● (option)
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- Note : 1. NFC200 series are outside fitting , others are inside fitting ; please refer to P.04 auto drain construction.
2. NFC300 series are standard manual type. (-H Short bowl type)
3. (standard) : Standard accessory ; (option) : Optional accessory.

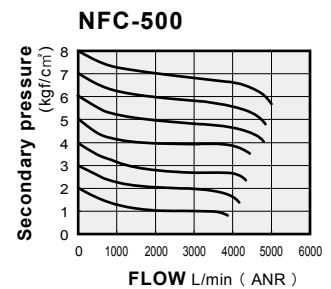
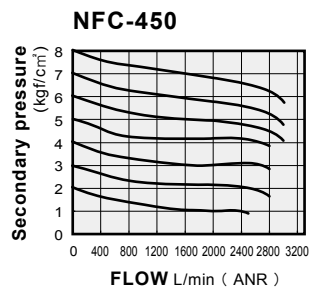
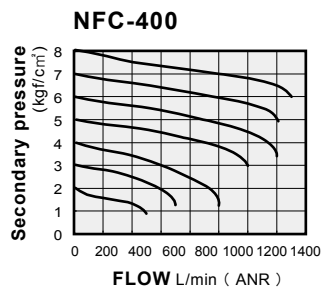
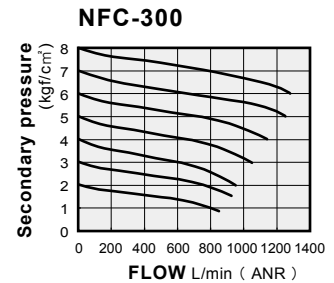
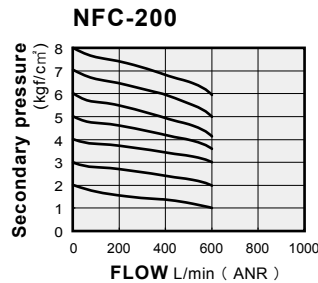
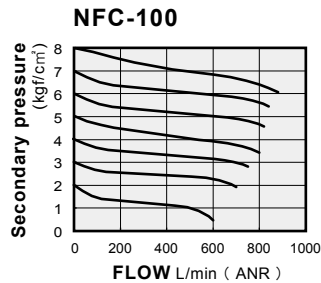


Air unit - FR.L. Combination unit

Flow characteristics / Pressure characteristics

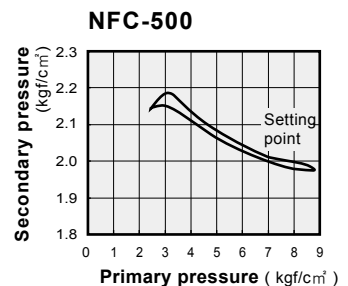
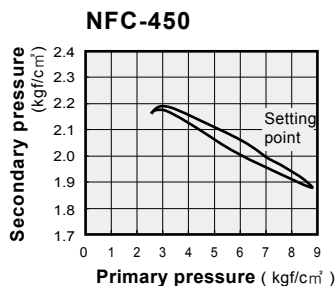
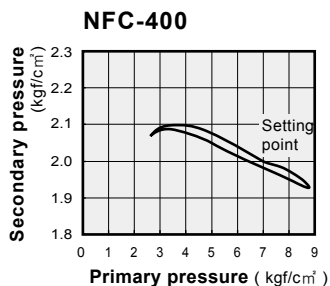
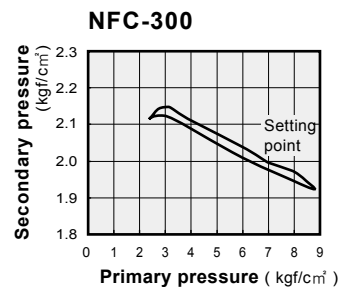
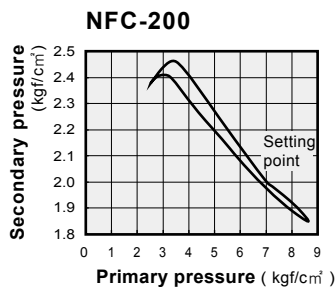
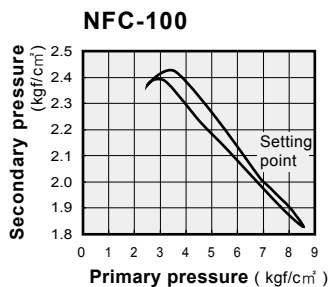
CHELIC

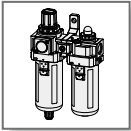
Flow characteristics



Note : The flow of filter will reduce because of the use time and cross block of the filter element ; it has to be check and change regularly to matins flow volume to use.

Pressure characteristic





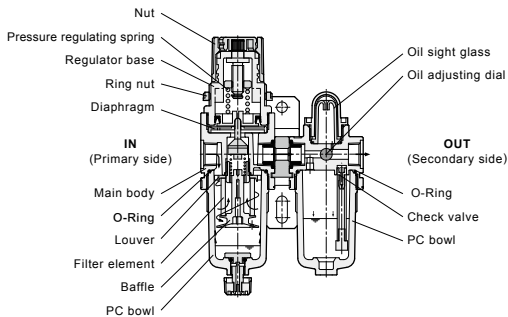
Air unit - FR.L. Combination unit

Internal structure / Auto drain structure theory

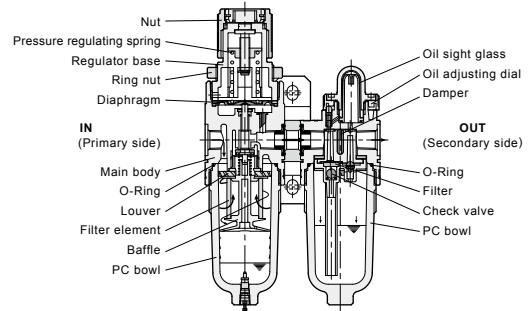
CHELIC

Internal structure

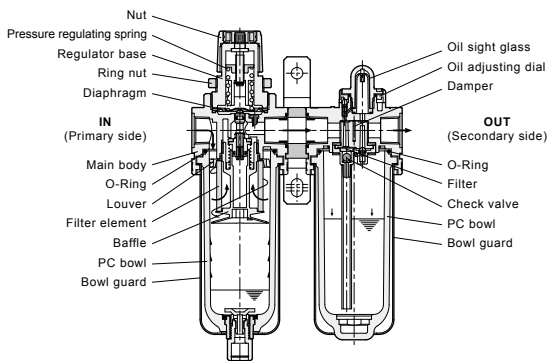
● NFC-100



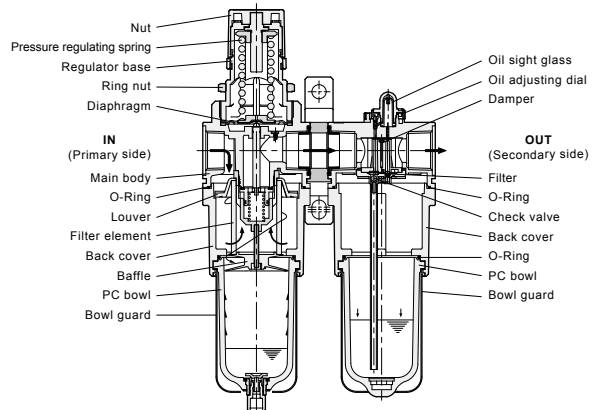
● NFC-200



● NFC-300,400,450

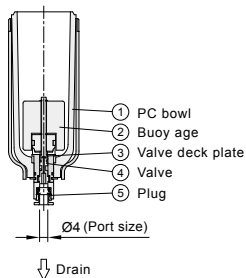


● NFC-500

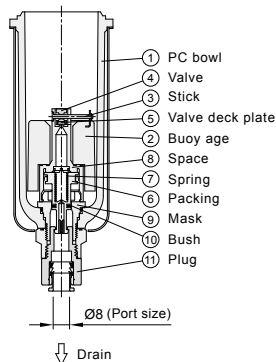


Auto drain structure theory

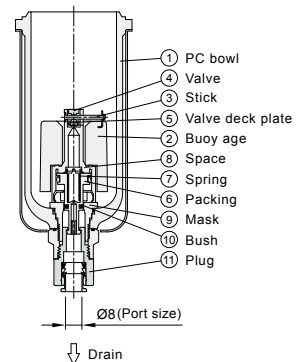
● Suitable for : N200 Model : AD-25

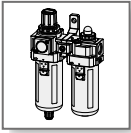


● Suitable for : N300 Model : AD-50



● Suitable for : N400,N450,N500 Model : AD-50



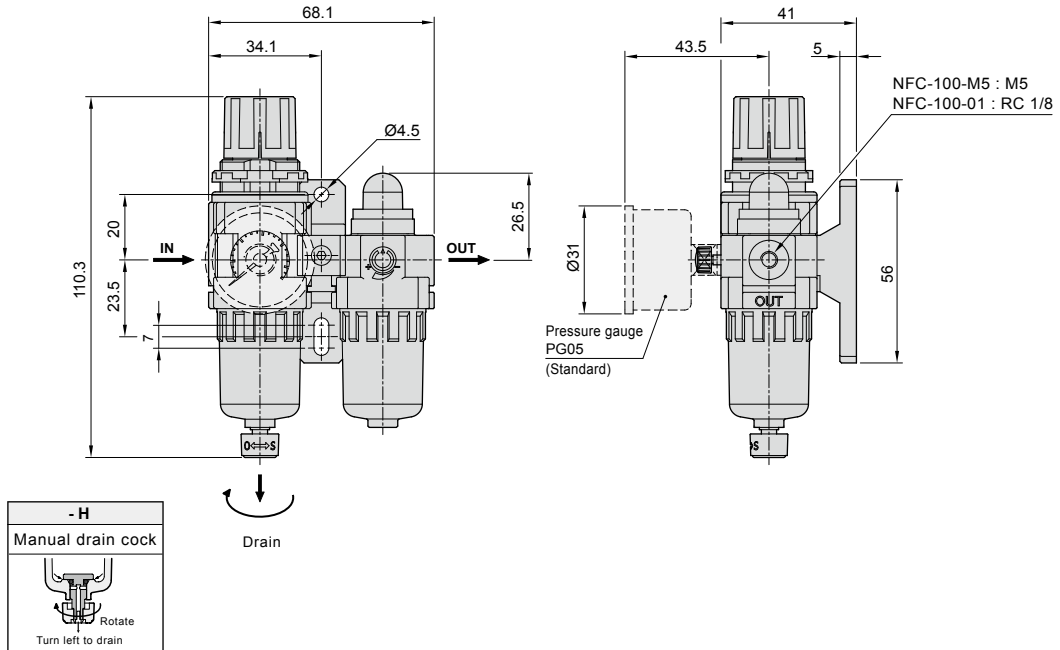


Air unit - FR.L. Combination unit

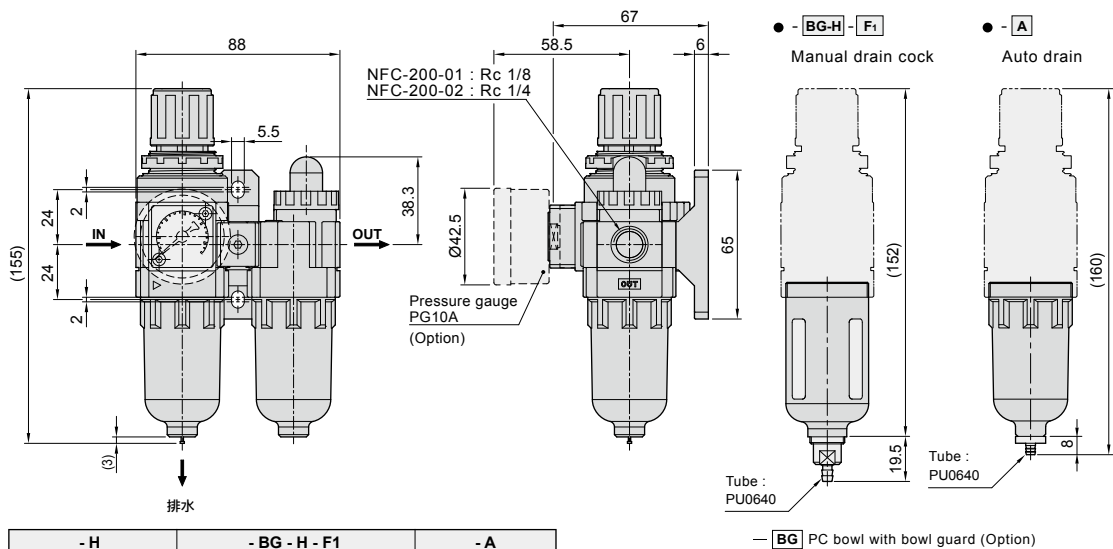
External dimensions

CHELIC

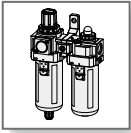
● NFC - 100 - Standard



● NFC - 200 - - H Standard



- H	- BG - H - F1	- A
Manual drain cock (standard)	Manual drain cock (With bowl guard, Fitting)	Auto drain (Differential pressure should be above 1 Kg)
		
Button Push	Bowl guard F1 Fitting Push	

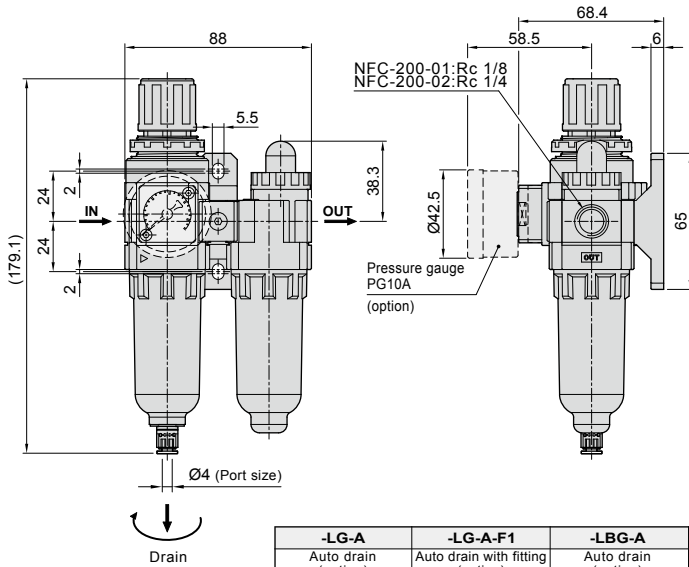


Air unit - FR.L. Combination unit

External dimensions

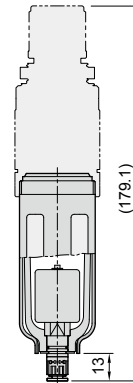
CHELIC

● NFC - 200 - [] - LG - A - F1 Long bowl



● - LBG - A - F1

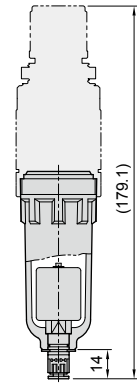
Auto drain with fitting



- LBG PC bowl with Metal bowl guard (Option)

● - LMG - A - F1

Auto drain with fitting

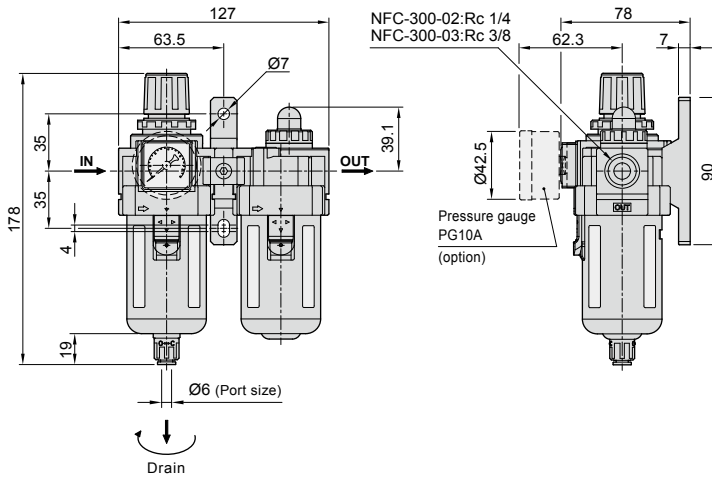


- LMG Metal bowl guard (option)

-LG-A	-LG-A-F1	-LBG-A	-LBG-A-F1	-LMG-A	-LMG-A-F1
Auto drain (option)	Auto drain with fitting (option)	Auto drain (option)	Auto drain with fitting (option)	Auto drain (option)	Auto drain with fitting (option)
Float type	Float type	Float type	Float type	Float type	Float type

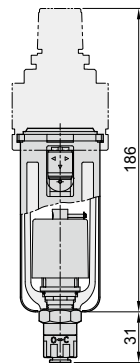
Note : Above auto drainer is AD-25.

● NFC - 300 - [] - H Standard



● - LG - A - F1

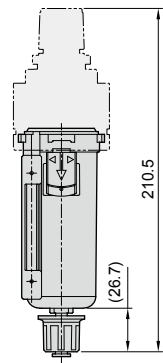
Auto drain with fitting



- LG Long bowl (option)

● - MG - H - F1

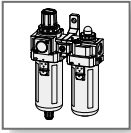
Manual drain with fitting



- MG Metal bowl (option)

-H	-H-F1	-S	-S-F2	-A
Manual drain (Standard)	Manual drain cock with fitting (Option)	Semi-Auto drain (Option)	Semi-Auto drain with fitting (Option)	Auto drain (Option AD-50)
Rotate Turn left to drain	Rotate Turn left to drain	Rotate Turn left to drain	Rotate Turn left to drain	Float type

Note : Above auto drainer is AD-50.

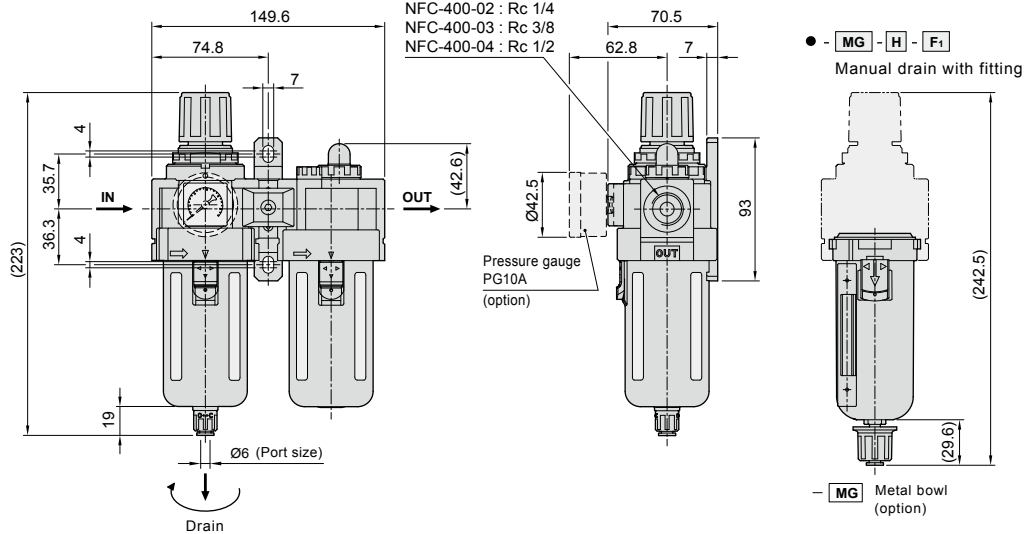


Air unit - FR.L. Combination unit

External dimensions

CHELIC

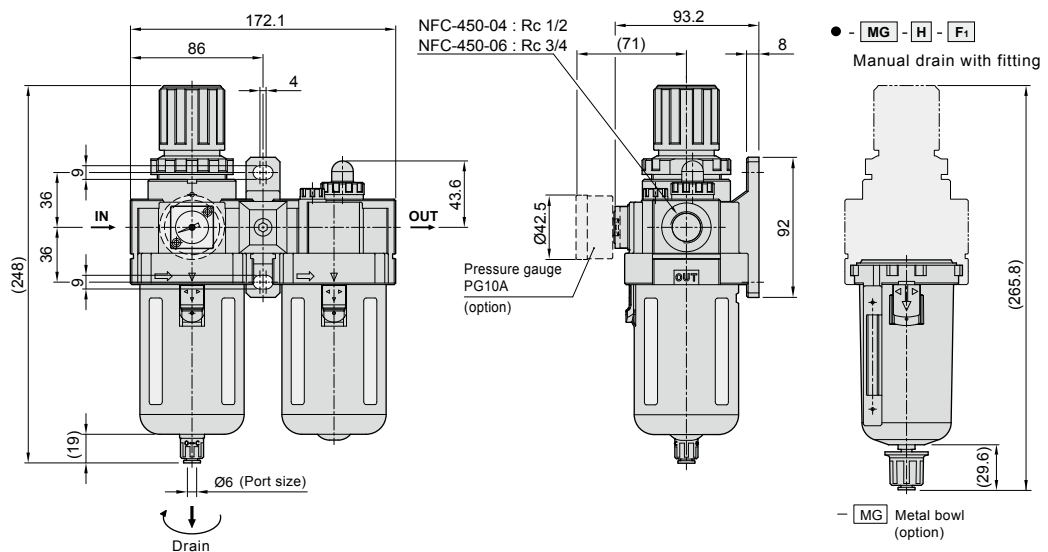
● NFC - 400 - [] - H Standard



-H	-H-F1	-S	-S-F2	-A
Manual drain (Standard)	Manual drain cock with fitting (Option)	Semi-Auto drain (Option)	Semi-Auto drain with fitting (Option)	Auto drain (Option AD-50)
Turn left to drain	Turn left to drain	Turn left to drain	Turn left to drain	Float type

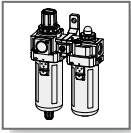
Note : Above auto drainer is AD-50.

● NFC - 450 - [] - H Standard



-H	-H-F1	-S	-S-F2	-A
Manual drain (Standard)	Manual drain cock with fitting (Option)	Semi-Auto drain (Option)	Semi-Auto drain with fitting (Option)	Auto drain (Option AD-50)
Turn left to drain	Turn left to drain	Turn left to drain	Turn left to drain	Float type

Note : Above auto drainer is AD-50.



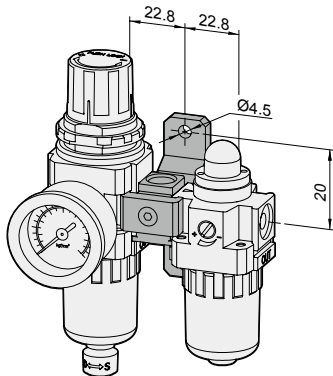
Air unit - FR.L. Combination unit

Mounting bracket

CHELIC

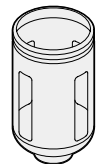
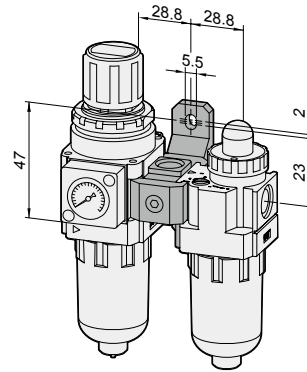
● NFC - 100 - TA - H

Suitable for air gun operating



● NFC - 200 - TA - H

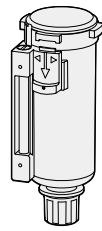
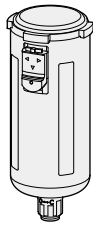
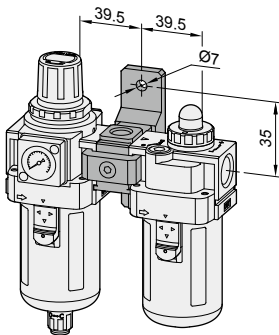
Suitable for air gun operating



— BG
(with bowl guard)

● NFC - 300 - TA - H

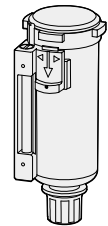
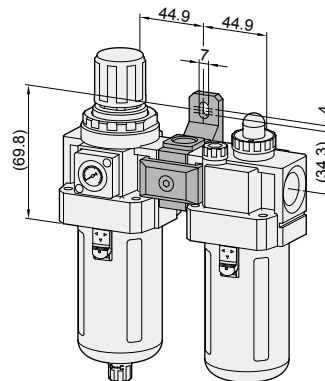
Suitable for air gun operating



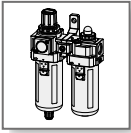
— LG
(Long bowl) — MG
(Metal bowl)

● NFC - 400 - TA - H

Suitable for air gun operating



— MG
(Metal bowl)



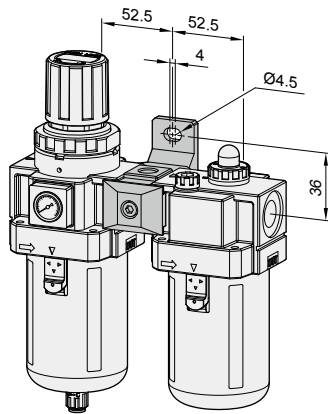
Air unit - FR.L. Combination unit

Mounting bracket

CHELIC

► NFC - 450 - TA - H

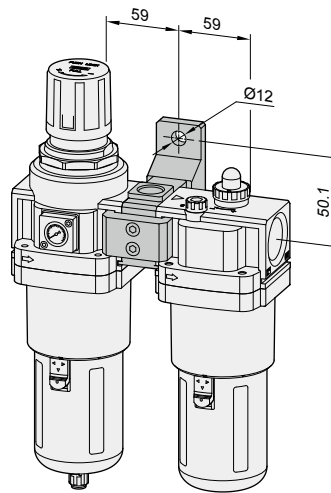
Suitable for air gun operating



— MG
(Metal bowl)

► NFC - 500 - TA - H

Suitable for air gun operating



— MG
(Metal bowl)