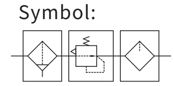
UC series F.R.L. Combinations

Product features/ Code of order

Feature

- Filter/Regulator/Lubricator Combination.
- Air output with filtration, pressure regulation, and lubrication.
- Various structural combinations enable multiple ways of processing components.

Symbol:



Specification

Item \ Model		UC 200	UC 300	UC 400	UC 500
Fluid		Air			
Port size	Rc	1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	3/4
Filter grade	μm	5			
Pressure range	kgf/cm²(kPa)	0.5 ~ 8.5 (50 ~ 850)			
Max. service pressure	kgf/cm²(kPa)	10 (1000)			
Ambient and fluid temperature	℃	5 ~ 60			
Recommended lubrication		ISO VG32			
Min. dripping flow rate	L/min	30	85	92	92
Bowl capacity	cc	25	40	80	80
Lubricator capacity	cc	30	55	100	100
Material	Body	Aluminum alloy die-casting			
	Bowl	High tensile plastic material			
Weight	kg	0.1	0.77	1.3	1.58

Code of order

UC 400 – 03 – ☐ – ☐ – W – ☐

1 2 3 4 5 6

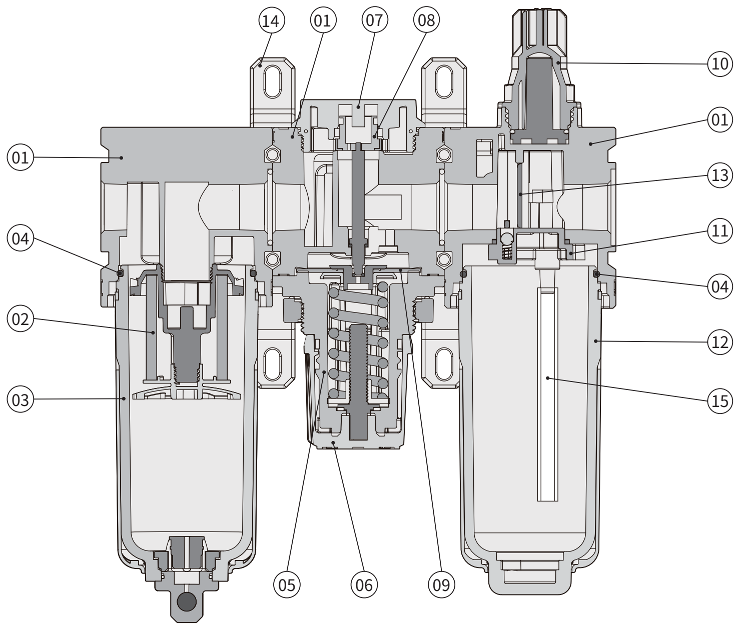
	Item	Mark	Specification	Model UC 200	UC 300	UC 400	UC 500
1							
2	Connection port	01	1/8	●	—	—	—
		02	1/4	●	●	●	—
		03	3/8	—	●	●	—
		04	1/2	—	—	●	—
		06	3/4	—	—	—	●
3	Thread type	None	RC	●	●	●	●
		G	PF	●	●	●	●
		N	NPT	●	●	●	●
4	Bowl material	None	PC cup	●	●	●	●
		MG	Metal cup	●	●	●	●
5	Drain cock type	W	Manual drain cock	●	●	●	●
		A	Auto drain -N.O.(Limited to transparent cups)	●	●	●	●
		AC	Auto drain -N.C.(Limited to transparent cups)	—	●	●	●
6	Pressure gauge	None	PG 22N square pressure gauge	●	●	●	●
		P	PG-10A Circle pressure gauge	●	●	●	●
		EN	Pressure swtich (PSN-41 2NPN Output)	●	●	●	●
		EP	Pressure swtich (PSN-41 2PNP Output)	●	●	●	●

UC series F.R.L. Combinations

Product features

CHELIC

Internal structure



Components and material list

No.	Item	Material	Quantity	Reference model
01	Body	Aluminum die-casting	1	UC200 ~ UC500
02	Filter element	EA30	1	
03	Bowl	PC	1	
04	Bowl O-ring	NBR	1	
05	Pressure adjusting holder	POM	1	
06	Pressure adjusting knob	ABS	1	
07	Bottom cover	POM	1	
08	Valve assembly	Brass+NBR	1	
09	Diaphragm	NBR	1	
10	Viewing cap	PC	1	
11	Regulator holder	POM	1	
12	Bowl	PC	1	
13	Spacer	PU	1	
14	Joint bracket	Aluminum die-casting	1	
15	PU straw	PU	1	

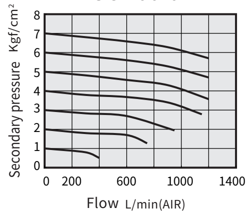
UC series F.R.L. Combinations

Characteristics graph

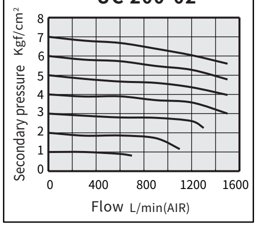
CHELIC

Flow rate characteristic graph

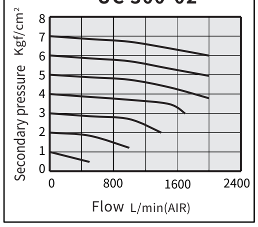
UC 200-01



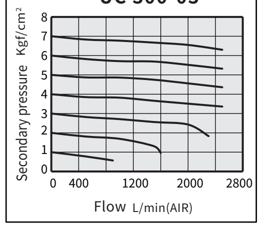
UC 200-02



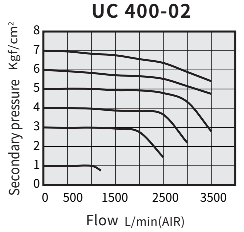
UC 300-02



UC 300-03



UC 400-02



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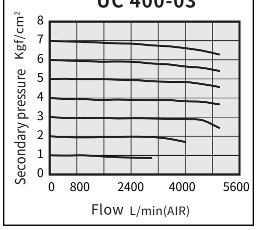
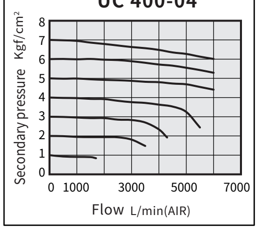
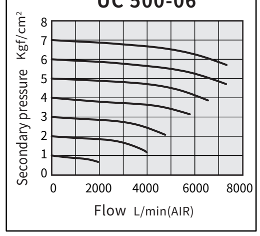


UC 400-04

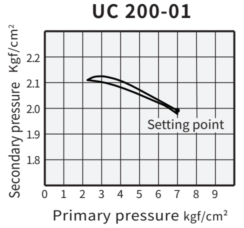


UC 500-06

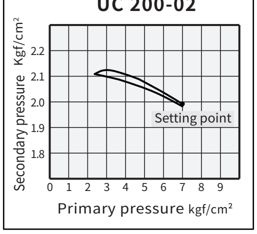


Pressure characteristics graph

UC 200-01



UC 200-02



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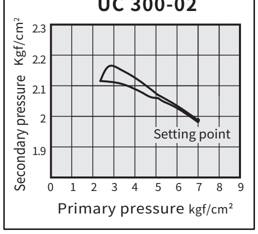

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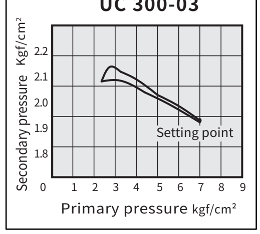

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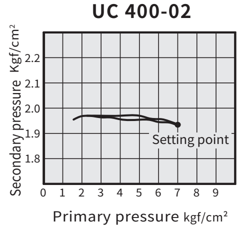

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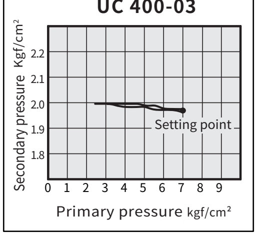
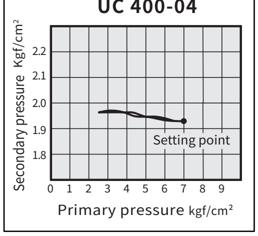
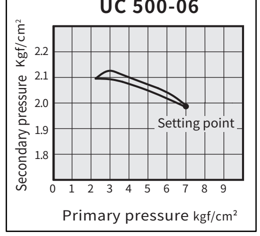


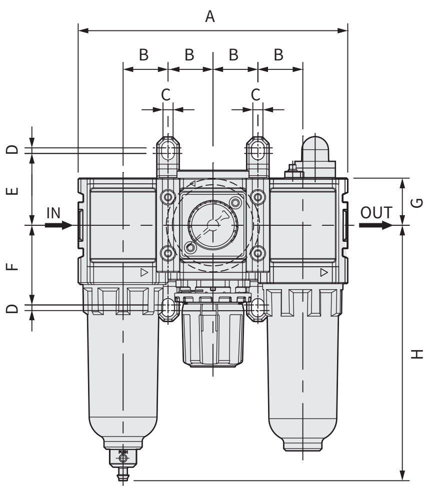
UC 400-04

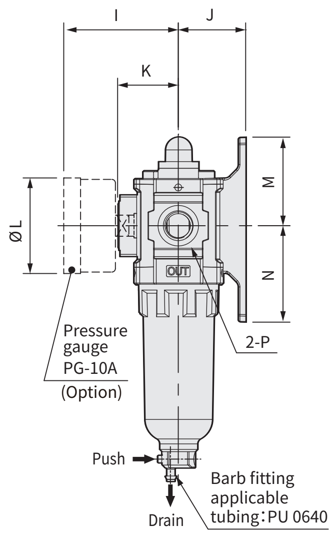


UC 500-06

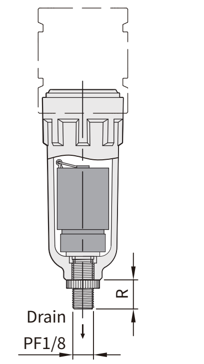


UC 200 - W Standard



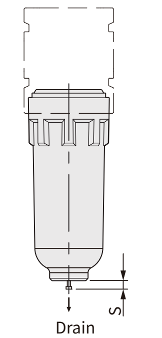


Auto drain



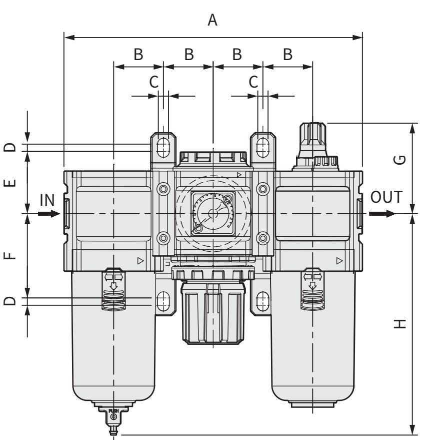
- A Auto drain without fitting (Option-AD-25)

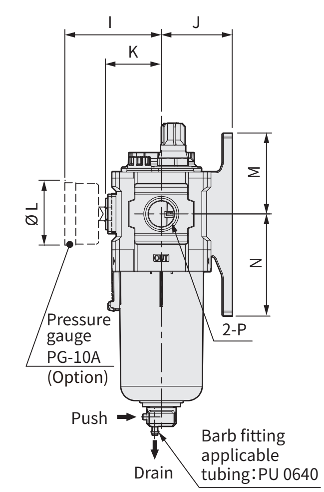
Manual drain cock



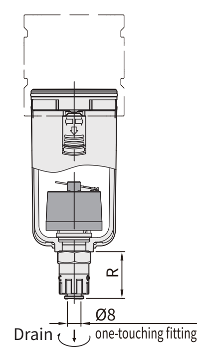
- MG Metal cup (Option)

UC 300 ~ 500 - W Standard



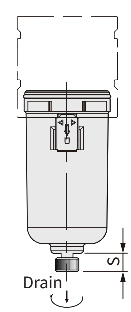


Auto drain



- A Auto drain with fitting (Option)
(U300 Option-AD35)
(U400 Option-AD55)
(U500 Option-AD55)

Manual drain cock



- MG Metal cup (Option)

Unit:mm

Mark / Model	A	B	C	D	E	F	G	H	I	J	ØL	M	N	PG 22N pressure gauge	Pressure swtich	Auto drain	Manual drain cock	Female thread
														K	K	R	S	P
UC 200	120	20	4.5	2.5	32	35.5	39.5	113.8	51	30	27	39.4	42.9	26.7	40.2	13	3	1/8, 1/4
UC 300	162	27	4.5	2.5	37	47	62.5	137.1	56	38.1	42.5	47	57	31	44.5	34.5	12.6	1/4, 3/8
UC 400	204	34	7	5	42.5	57.5	61.8	151.1	66	48.5	42.5	55.3	69.8	38.3	51.8	34.5	12.6	1/4, 3/8, 1/2
UC 500	216	36	7	5	45.6	54.6	64.9	152	66	48.5	42.5	58.3	67.3	38.3	51.8	34.5	12.6	3/4