

(Reverse Osmosis & Up Water System )  
- CHEM \_

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Tel : 02-442-3543

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# Reverse Osmosis & UP Water System

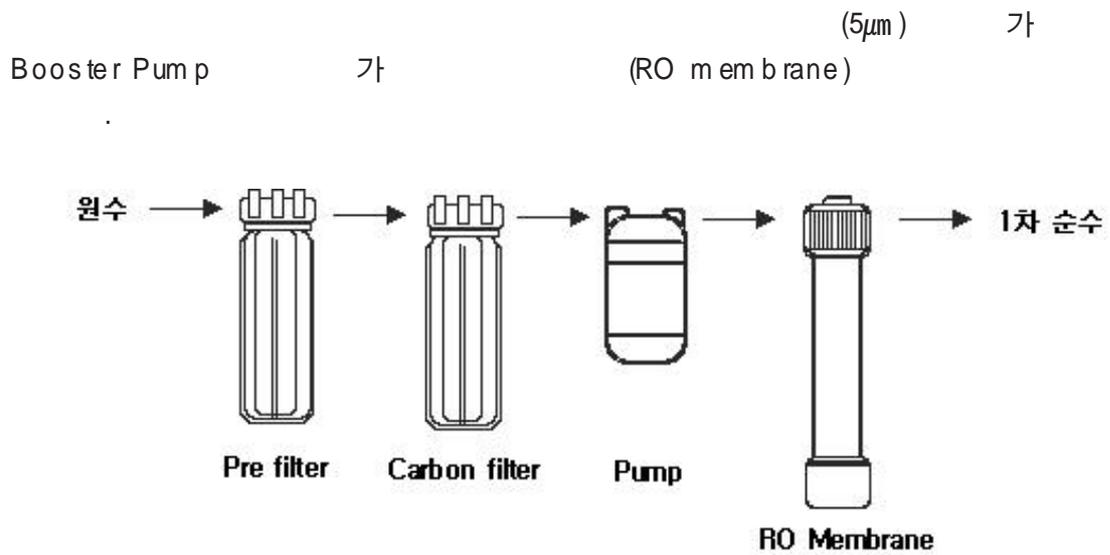
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1-1.

Chem , 가 1 3

Chem Series

1)



2)

Final Filter 1µm filter filter MB Polisher Chem ASTM , CAP , ACS

(a)	(1)	(2)	(3) R.O
(b)	(1) R.O .	(2)	(3)
(c)	(1) Mem b rane	(2) R.O .	(3)
(d)	(1) Mem b rane	(2) R.O .	(3) (4) UV

< 1-1.

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## Reverse Osmosis & UP Water System

						AP /ASTM
(CaCO <sub>3</sub> .ppm )	170	0.3	0.1 - 0.05	0.025	20	-
(MΩ - cm , 25 )	0.003	2	5 - 10	18	0.1 - 0.2	0.1 - 1.0
(ppm )	1	0.05	<0.01	<0.01	0.1	<0.01
(ppm )	1	0.05	<0.01	<0.01	0.1	<0.01
(ppm )	12	<1	<10	<1	<1	-
(ppm )	>100	<10	>100	*	<10	-
(>5μm /m l)	>10,000	<100	<100	*	<10	-

< 1-2. >

		Conductivity
PURE RO	0 - 0.04 Megohm - cm	0 - 25 μmhos/cm
PURE CHEM	1 - 8 Megohm - cm	1 - 0.125 μmhos/cm
	0.1 - 1.0 Megohm - cm	10 - 1 μmhos/cm
	10 - 18.3 Megohm - cm	0.1 - 0.05 μmhos/cm
(Power)	10 Megohm - cm	

< 1-3. CAP<sup>1</sup>, ASTM<sup>2</sup> >

- \* CAP : The College of American Pathologists
- ASTM : American Society for Testing and Materials

### 1-2. Chem Series

	Model	Pre filter	Carbon filter	RO Membrane	HP Pack (Q-Pack)	0.22μm filter
	Power I	1	1	1	Q-pack	X
	Power II	1	1	2	Q-pack	X
	Power III	1	1	1	Q-Pack	X
	Chem I	1	1	1	HP Pack	1
	Chem II (Q-SUN )	1	1	2	resin Polisher resin	1μm filter

< .1-4. Chem Series >

## Reverse Osmosis & UP Water System

Model		
Power I	10 ~ 15 /Hr	Type I (2, 3 )
Power II	15 ~ 25 /Hr	Type I (2, 3 )
Power III	40 ~ 50 /Hr	Type I (2, 3 )
Chem I	10 ~ 15 /Hr	Type I (2, 3 )
Chem II	20 ~ 30 /Hr	Type I (2, 3 )

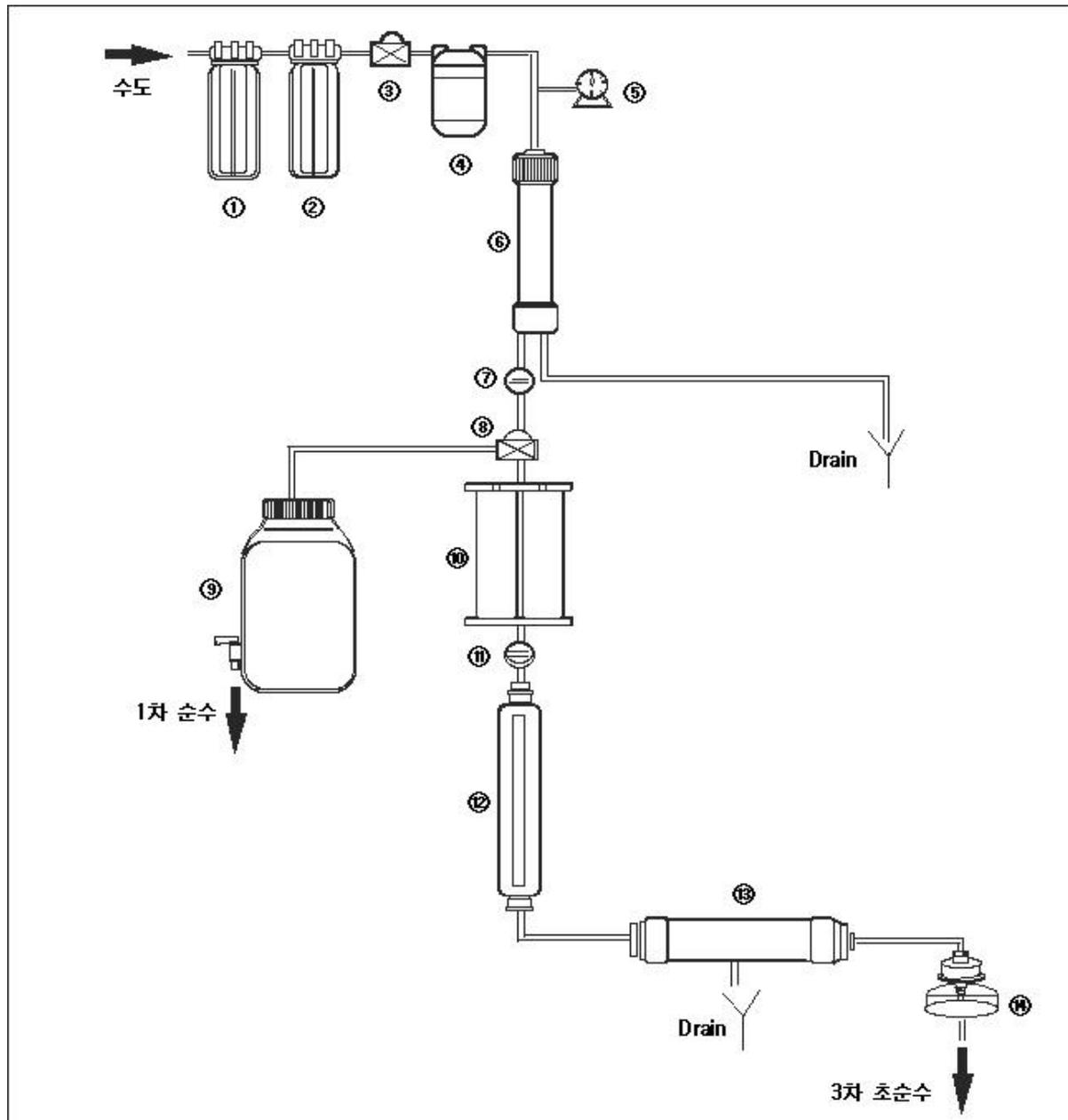
< . 1-5. Chem Series >

### 1-3. Chem Series

1. (Inorganics) : 99.9%
2. (Organics) : 100 99.9%
3. Total Organic Carbon (T.O.C) : 50ppb
4. (Bacteria) : 99.9%
5. (25 ) : 10 ~ 50
6. (WxDxH)mm : 500 x 500 x 1000
7. : 220V/60Hz

# Reverse Osmosis & UP Water System

## 1-4. Chem System ( P & D )



< 1-1. Chem System >

(Pre filter)

(Solenoid valve)

(Pressure gauge)

(Conductivity Cell)

(Water tank) (Option)

(Resistivity meter)

UF Filter ( )

(Carbon filter)

(Booster pump)

(RO Membrane filter)

(Solenoid valve)

3Way

MB Polisher

UV Lamp ( )

0.22µm filter

## Reverse Osmosis & UP Water System

1-5.

No.		
1	Pre filter ( )	HP1001
2	Carbon filter ( )	HC1002
3	RO Membrane ( )	HR1002
4	RES N	SBR1004
5	MB Polisher	UPW 10L
6	UV Lamp (Option)	HV1006
7	UF Filter (Option)	HU1007
8	Drain Valve ( )	HD1008
9	Booster Pump ( )	HB1009
10	Solenoid Valve ( )	HS1010
11	Pressure Tank	HW 1011
12	Control Board & Monitoring	HM1012
13	Pressure Gauge	HG 1013
14	Level Sensor	HL1014
15		HG 1015

< 1-6. Chem >

2

2-1.

1. RO Pack (RO Membrane )  
 : 150 ~ 200 $\mu$ s/cm , RO Membrane  
 0 ~ 35 $\mu$ s/cm . 35 $\mu$ s/cm 가  
 RO pack , RO Membrane .

2. Tank full ( )  
 : 가 Tank full  
 Tank full .

3. Low pressure ( - Option)  
 : 가 .

4. RO Membrane Setting  
 : 가 RO Membrane .

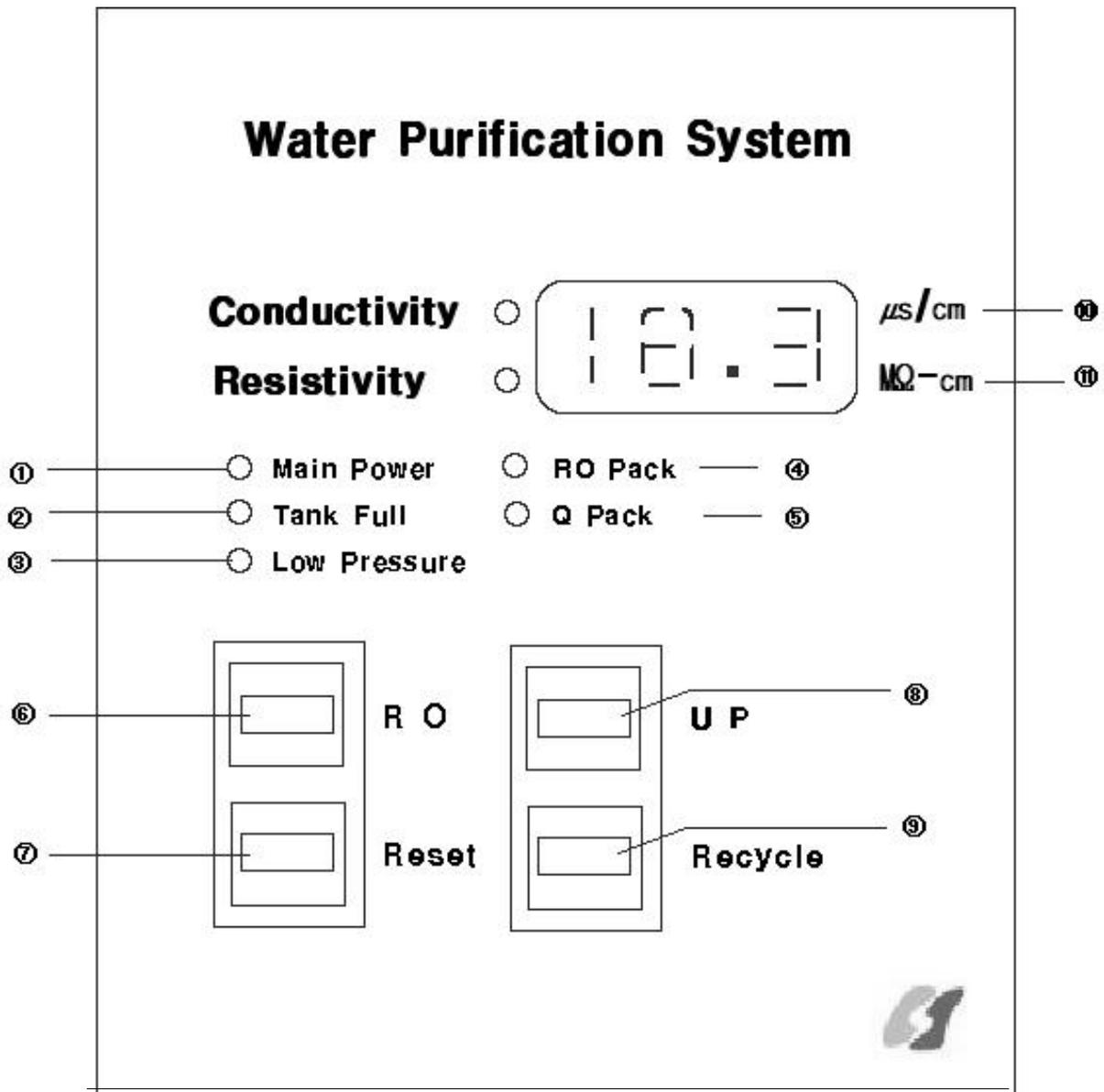
5. Q-Pack (HP Pack)  
 : 10M $\Omega$ -cm ~ 18.3M $\Omega$ -cm . 10M $\Omega$ -cm 가  
 Q-pack MB Polisher .

6. Q-Pack Setting (Option)  
 : 가 MB Polisher .

2-2.

1. Power .
2. .
3. RO .
4. . ( )
5. . (1 )  
 - : 0 ~ 35 $\mu$ s/cm
6. UP Switch . (3 )  
 - 1 가 MB Polisher 1 $\mu$ m filter 3 가  
 .  
 - : 10 ~ 18.3M $\Omega$ -cm

2-3.



< 3-1. >

- 가
- ( )
- RO Membrane (35μs/cm )
- HP Pack (10MΩ-cm )
- RO Mode Switch
- 1 Button
- 3 Switch
- 3 ( )
- 1 . ( : 0 ~ 35μs/cm )
- 3 . ( : 10 ~ 18.3MΩ-cm )

3

3-1.

Pre filter		
Carbon filter		Pre filter 2 1
RO Membrane	90%	1 ~ 2 가
MB Polisher		6 ~ 8 가 , 10MQ - cm
UV Lamp	( )	
UF Filter	Pyrogen,	
1 $\mu$ m filter		MB Polisher

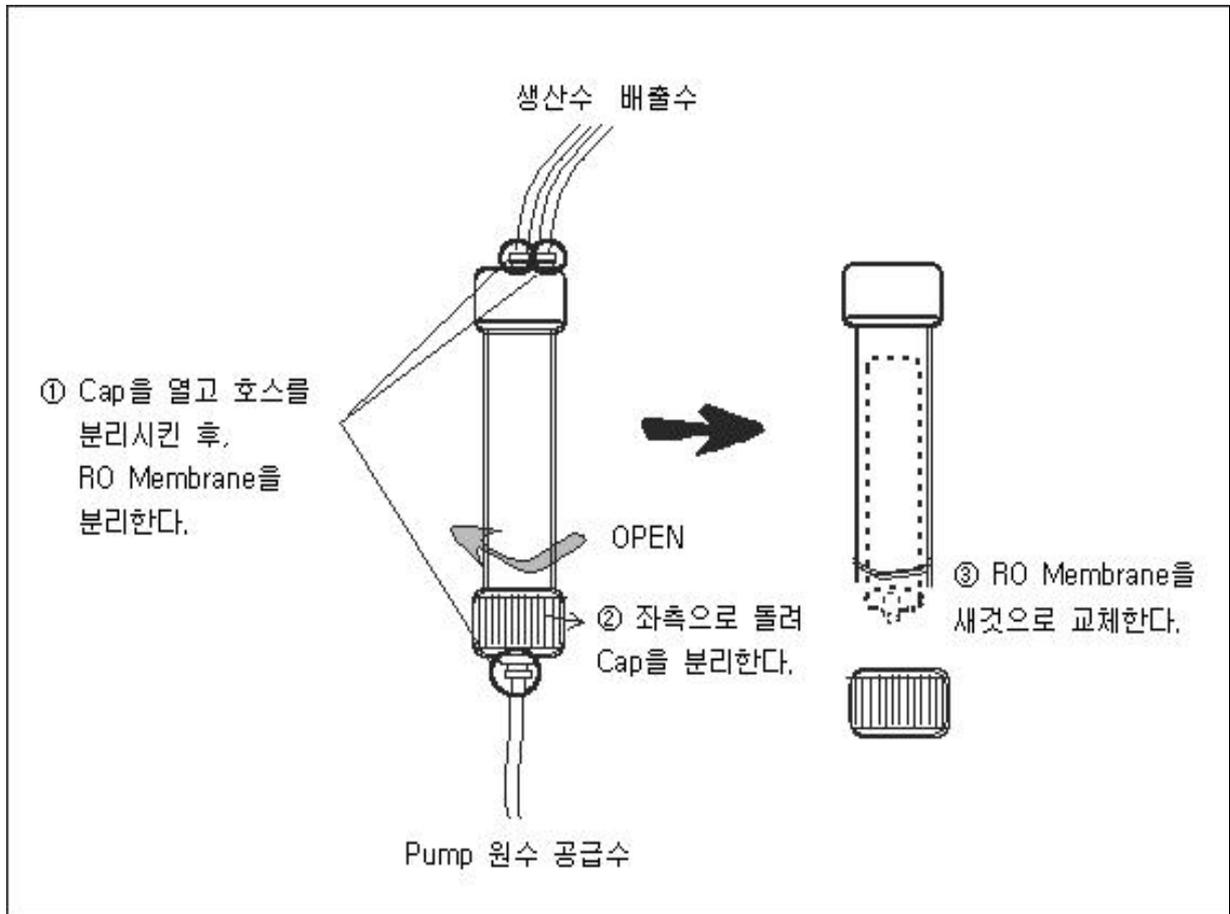
3-2.

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가 ( )  
가 . RO 0 ( )

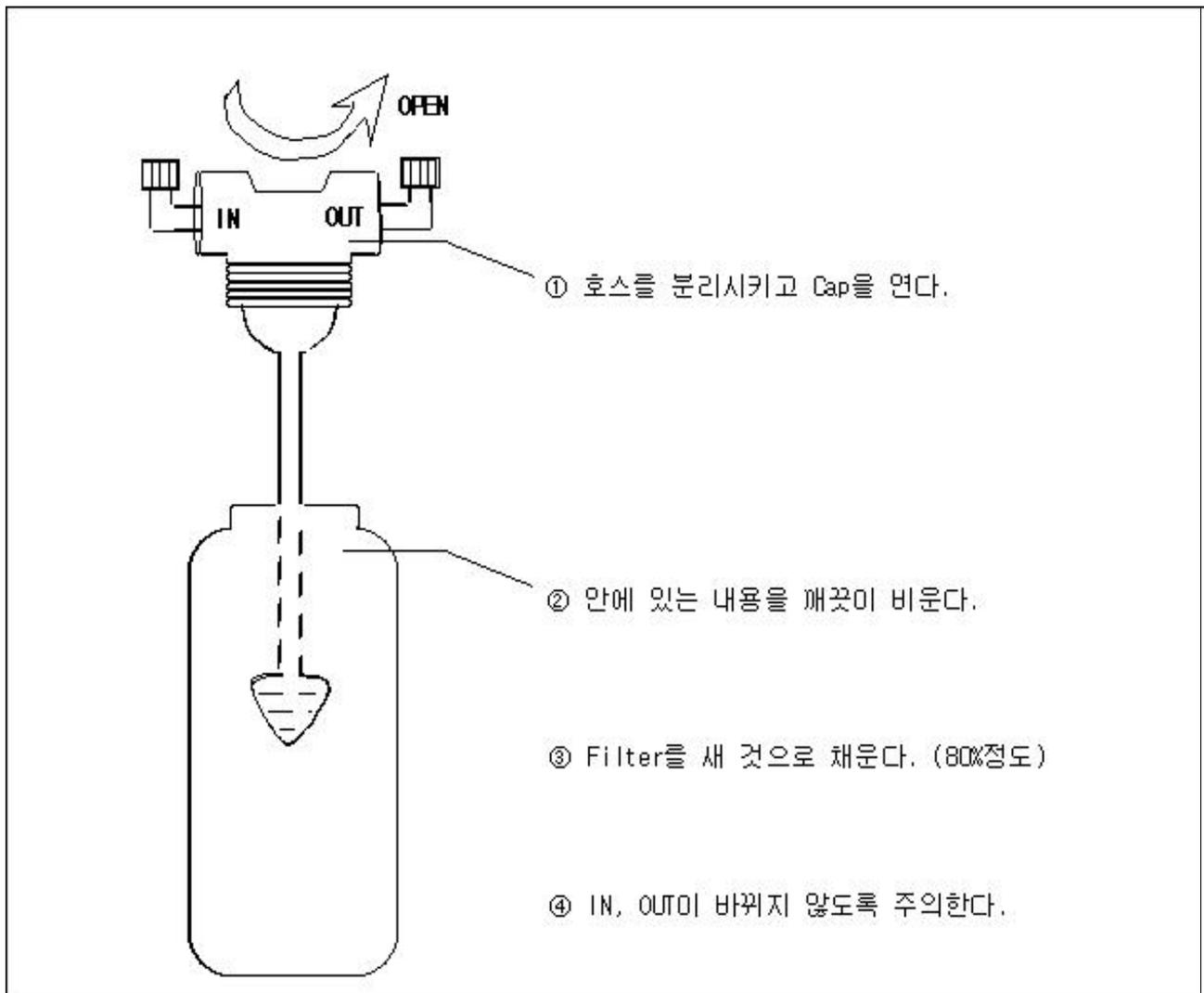


<그림 4-1. 프리필터 및 카본필터 교환방법>



<그림 4-2. RO Membrane 필터 교환방법>

RO Membrane 2 T



<그림4-3. D.I Filter 교환방법>

# Reverse Osmosis & UP Water System

3-3.

(1 )	- RO (0~ 35 $\mu$ s /cm ) -	- 35 $\mu$ s /cm RO Mem b rane - D ra in va lve
(1 )	- ( ) - Pum p	- - Pum p
가	- ( ) - Pum p	- - Pum p
	- Power - Control Board -	- - -
RO Pack	- 가 0 ( ) 가	- 35 $\mu$ s /cm RO Mem b rane
	- - (35 :65)	- 가 - D ra in Va lve
	-	- D ra in Va lve
Q -Pack	- (10M $\Omega$ - cm )	- HP Pack

고객 등록 카드

제 품 명		
S/N.		
설 치 인		
회 사 명		TEL)
담당자명		FAX)

\* FAX A/S .

\* : 1

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