



# CHM AQUA Power

## New Generation Systems

to produce pure and ultrapure water



With combined in one system of RO (Reverse Osmosis) and UP (Ultra Pure), it can be produced the pure water and ultrapure water in one compact system .

### Product Profile

Available to produce the world class of analytical grade water type I, II and III from the tap water. Designed to meet the requirements of reagent grade water for routine analysis (18,3 MO + cm, TOC < 5 ppb), with low endotoxin (0.001 EU/ml) and total organic carbon levels (<1 ppb) in UF and VF. The performance is Up to 38 l/h production capacity.

### Applications

#### AQUA QRP---BC

- Atomic Absorption (AA)
- Ion Chromatography (IC)
- Inductively Coupled Plasma (ICP)
- Inductively Coupled Plasma Mass Spectrometry (ICP/ MS)
- High Performance Liquid Chromatography (HPLC)

#### AQUA QRP---UV

- High Performance Liquid Chromatography (HPLC)
- Atomic Absorption (AA)
- Ion Chromatography (IC)
- Inductively Coupled Plasma (ICP)
- Inductively Coupled Plasma Mass Spectrometry (ICP/MS)

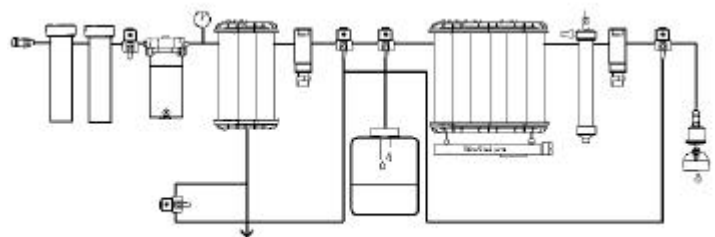
#### AQUA QRP---UF

- Cell culture media
- Protein purification
- Gel Electrophoresis

#### AQUA QRP---VF

- Cell culture media
- Protein purification
- In-Vitro Fertilization

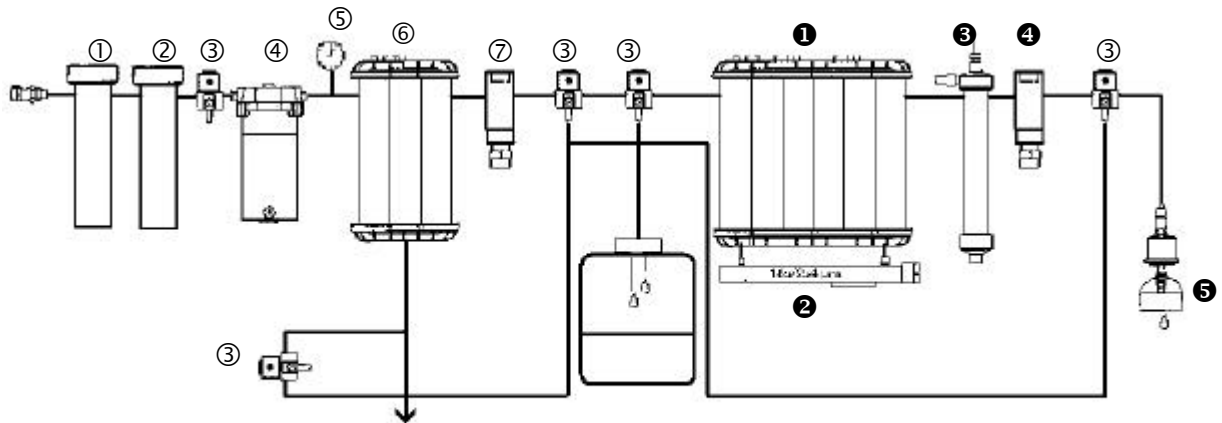
**Produces Pure water: 0 a 250µs/cm,  
Ultra Pure up to 18.3 MO × cm water  
from tap water**



# Specifications

	QRP180	QRP280	QRP380	
Flow rate (RO, UP)	Max. 18L/hr.	Max. 28L/hr.	Max. 38L/hr.	
Product water quality	Pure water: 0 a 250µs/cm, Ultra Pure up to 18.3 M <sup>2</sup> x cm			
Controller	Microprocess one Touch technology			
Display	16 x 2 Characters Backlight LCD Digital Display			
<b>Type</b>	<b>BC</b>	<b>UV</b>	<b>UF</b>	<b>VF</b>
Feature				
- 0.2µm/cm Final filter	STD	STD	STD	STD
- 254/185 UV lamp		STD		STD
- MW 5000 UF filter			STD	STD
- PVDF 1/4 dispensing gun				
Include Filter & Accessories	. Prefilter . Super A/C filter . Pack Aqua UP . Pack RO . Manual . Power cord.			
Water Quality				
- TOC(ppb)	5 - 10	0 - 5	5 - 10	0 - 5
- Endotoxin(Eu/ml)	NA	NA	< 0.001	< 0.001
- Bacteria(cfu/ml)	< 1	< 1	< 1	< 1
- Particles(>0.22µ/cm)	< 1	< 1	< 1	< 1
Controller Functions	1. Self Test : Self-test for diagnosing operating conditions.(Internal/External) 2. Auto cleaning : auto drain for 30sec, when it turns ON(power ON) 3. Auto flushing : for the membrane washing, automatically. - Flushing time : 1 to 99min. - Period cycle : 1 to 99hrs. 4. Manual flushing : Manually washing the filters is available 5. Time elapse indicator : cursor blinking 6. Built-in ROM, RAM, CPU(one chip) microprocessor. 7. Filter exchange indicator : programmable by 2 step as below ; 1st alert message : 1st reminder for filter exchange 2nd alert message : The filter must be exchanged			
Dimensins (W x D x H)	400 x 567 x 500mm			
Power	220V, 50/60Hz, 60W			

# Flow Schematic



- ① Prefilter
- ② A/C filter
- ③ Solenoid valve
- ④ Pump
- ⑤ Pressure Gauge
- ⑥ Power RO Pack
- ⑦ Conductivity meter
- ① Power UP Pack
- ② 254/185 UV lamp
- ③ UF filter
- ④ Resistivity meter
- ⑤ 0.2 µm Final filter



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