



CHM AQUA Power

New Generation Systems

to produce pure and ultrapure water

by CHMLAB Group



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 M Ω + 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)

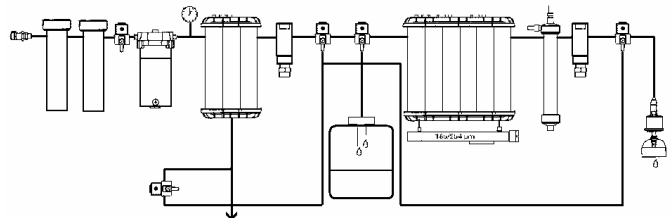
AQUA QRP---UF

- Cell culture media
- Protein purification
- Gel Electrophoresis

AQUA QRP---VF

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

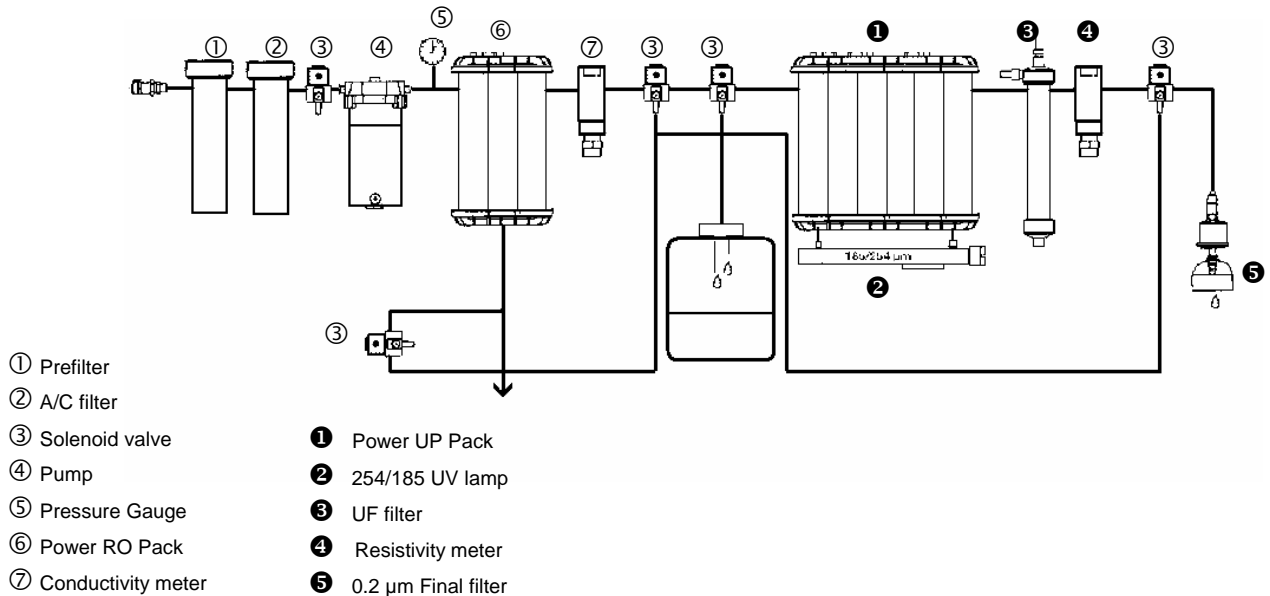
**Produces Pure water: 0 a 250 μ s/cm,
Ultra Pure up to 18.3 M Ω x cm water
from tap water**



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 ² x cm		
Controller	Microprocess one Touch technology		
Display	16 x 2 Characters Backlight LCD Digital Display		
Type	BC	UV	UF
Feature			
- 0.2µm/cm Final filter	STD	STD	STD
- 254/185 UV lamp		STD	STD
- MW 5000 UF filter			STD
- PVDF 1/4 dispensing gun			STD
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
- Endotoxin(Eu/ml)	NA	NA	< 0.001
- Bacteria(cfu/ml)	< 1	< 1	< 1
- Particles(>0.22µµ/cm)	< 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



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