Water Purification System

VS Venchal Scientific

EVO-CB Water Systems

FEATURES :

- Type I and III grade water can be produced in this system. The produced water quality satisfies relevant regulations, such as ASTM, ISO3696, CLSL, EP and USP.
- The water from Model : Evo-CB can be utilized for precision analysis instruments, such as HPLC, AAS, ICP-MS, LC-MS in any Analytical laboratories and also for Electrochemical analysis, TOC analysis, Molecular Biology, Semiconductor manufacturing.
- By utilizing multiple (maximum 3 units) dispensers, final filters can be selected by application field, water to produce free of Bacteria, particles, endotoxins (Pyrogens) and heavy metals. In addition, it is possible to feed necessary quantity of Ultra-Pure Water.
- The 4.3" wide graphic display enables real-time identification of quality and TOC value of pure and ultra-pure water, filter pack utilization condition and level of storage tank.

Specifications :

Model No.	EVO-CB Dio10	EVO-CB Dio20	EVO-CB Dio UV	EVO-CB Dio UF	EVO-CB Dio VFT
Flow Rate(Upto) -RO(L/Hr) / (L/min)	10/2.0	20/2.0	10/2.0	10/2.0	10/2.0
Product Quality -Conducitivity (RO), μs/cm	1-25	1-25	1-25	1-25	1-25
-Resistivity (UP),MΩ-cm	18.2	18.2	18.2	18.2	18.2
-TOC (ppb)	<10	<10	<5	<10	<5
-Particles (0.2μm), EA/mℓ	<1	<1	<1	<1	<1
-Bacteria, cfu/mℓ	<1	<1	<1	<1	<1
-Endotoxin, EU/mℓ	-	-	-	<0.001(*)	<0.001(*)
-Rnase, ng/mℓ	-	-	-	<0.01(*)	<0.01(*)
-Dnase, pg/μℓ	-	-	-	<4(*)	<4(*)
System Monitoring & Display	• Conductivity (at 25°C) • Resistivity (at 25°C) • Program timer for RO Membrane clearing • Time Setting for Volumetric dispenser • Filter pack exchange reminder • Protection for high temperature & low quality of feed water				
Utilities -Electrical Power	120/240V, 50/60Hz, 1.6A				
-Dimension Main Unit / S-Dispenser	W350 × D430 × H520 (mm) / W235 × D180 × H635 (mm)				
-Operating Weight Main Unit / S-Dispenser	20~22.5kg / 5.0kg (mm)				
Standard Accessories	• 1 Dico-PC Pack • 1 Dio-UV Lamp (UV Model) • 1 Dico-RO Membrane • 1 Dio-Biopack (UF Model) • 1 Dio-PackIII • 1 TOC Monitor (TOC Model) • 1 Final Filter, 0.2μm				
Optional Accessories	• Reservoir, 35 L • Printer for data output				

(*) indicates quality of water produced with Dio-Bio Pack.

Feed Water Utilization Condition

• Temperature : 5-35°C • Free Chlorine : <3 ppm • Foluing index : <12 • PH : 4-10 • Pressure : 1-96 psi(0.07-6bar)

At any time, the manufacturer may bring modifications to the model above described, for technical or commercial reasons. The picture does not necessary shows the product in the standard version.

Water Purification System

Venchal Scientific

Expe-CB Water Systems

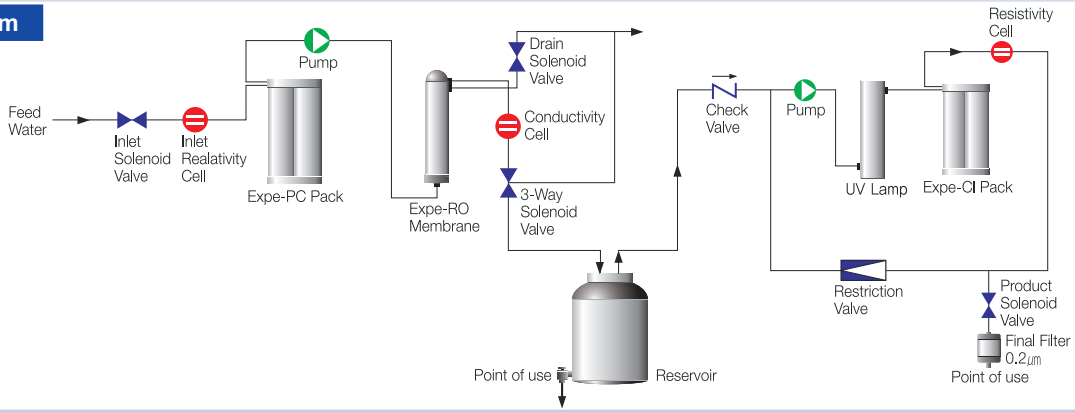
Features

- Produces the ASTM water grade 1 and III by single system
- Wide Graphic LCD Display
- Easy to use and convenient maintenance
- Reliable & Desired water quality
- ISO9001, ISO14001 and certified CE and NEP

Specifications

Model No.	Expe-CB Ele 10		Expe-CB Ele 20		Expe-CB UV 90	
	RO	UP	RO	UP	RO	UP
Flow Rate(Upto)	10L/Hr	2.0L/Min	20L/Hr	2.0L/Min	10L/Hr	2.0L/Min
Product Quality -Conductivity (at 25°C)	1-25 μs/cm				1-25 μs/cm	
-Resistivity (at 25°C)	18.2 MΩ-cm				18.2 MΩ-cm	
-TOC (ppb)	< 20				< 20	
-Particles (0.2μm)	< 1 ea/mℓ				< 1 ea/mℓ	
-Bacteria, cfu/mℓ	<1cfu/mℓ				<1cfu/mℓ	
-Inorganics (ppb)	<0.1				<0.1	
Display	Wide Graphic LCD (128x64 digits)					
System Functions & Monitoring	• Conductivity (RO) • Resistivity (UP) • Volumetric time setting • Protection for high Temp. & feed water		• RO Membrane cleaning timer • Automatic drain for low quality • Filter pack exchange message			
Utilities -Electrical Power	120/240V, 50/60Hz, 1.6A					
-Dimension	W330 × D490 × H510 (mm)					
-Operating Weight	25kg		25.5kg		26.5kg	
Standard Accessories	• 1 Expe- PC Pack • 1 Expe-CI Pack • 1 Operation Manual • 1 Power cable & tubing kit		• 1 Expe-RO Membrane (CB Ele 10, CB UV 90 Model) • 2 Expe-RO Membrane (CB Ele 20 Model) • Final Filter 0.2μm			
					UV Lamp	
Optional Accessories	35L Reservoir with Level Sensor					

Flow Diagram



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Water Purification System

Venchal Scientific

Excel-Post Water Systems

Features

- Produces Type II water which meets ASTM, CAP and NCCLS standards
- Water supply for Medical Biochemistry Analyzer and rinsing water for bio-engineering equipment and semiconductors
- Saving space and easy installation, maintenance.
- Certified ISO9001, 14001 and NEP.

Display

Med Post Pack

Specifications

Model No.	Excel-Post Med55	Excel-Post Med85	Excel-Post Med150
Flow Rate(Upto)	55L/Hr	85L/Hr	150L/Hr
Product Quality -Conductivity	1-20μs/cm	1-20μs/cm	1-20μs/cm
-Resistivity	15~18.2 MΩ-cm	15~18.2 MΩ-cm	15~18.2 MΩ-cm
-TOC (ppb)	< 10ppb (*)	< 10ppb (*)	< 10ppb (*)
-Bacteria, cfu/mℓ	<1cfu/mℓ(*)	<1cfu/mℓ(*)	<1cfu/mℓ(*)
-Particles (0.2μm)	< 1 ea/mℓ(*)	< 1 ea/mℓ(*)	< 1 ea/mℓ(*)
System Functions & Monitoring	• Product Conductivity & Resistivity • Operating for delivery (*) • Cleaning timer for RO Membrane • Automatic drain to prevent low quality • Warning & Alarm messages to change filters, UV lamp or errors.		
Utilities -Electrical Power	220V, 3A, 660W		220V, 4A, 880W
-Dimension	W510 × D450 × H790(mm)		W510 × D450 × H1040(mm)
-Operating Weight	51kg	52kg	78kg

(*) indicates Medical delivery systems

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