Water Technologies

Laboratory Water Purification Products Catalog

SIEMENS

| Total Water Solutions | Complete Cartridge Range | Full Service Support |

Siemens Water Technologies is a single source provider of water treatment products and services for the laboratory market. We offer the widest range of water purification systems including central systems, pretreatment and point-of-use ultrapure water polishing systems, backed by a service network of over 80 offices throughout the US and Canada.

Siemens offers ELGA LabWater Systems.

Table of Contents

TYPE I

MODEL	Technology	Flow Rate
PURELAB® Ultra Systems	DI/UV/UF/microfiltration	2 lpm

Typical Applications: ICP/MS, electrophoresis, GC, PCR, Genetic research, microbiology, pyrogen testing, TOC analysis, HPLC, IC, Cell Culture, Reagent and sample prep, AA

MODEL	Technology	Flow Rate
PURELAB® Classic Systems	DI/UV/UF/microfiltration	1.5 lpm

Typical Applications: HPLC, AA, ICP, tissue culture, blotting, GC, reagent and sample prep, buffers, TLC, environmental studies

MODEL	Technology	Flow Rate
PURELAB® UHQ Systems	RO/DI/UV/ultramicrofiltration	0.75 lpm

Typical Applications: General Chemistry, reagent and sample Prep, qualitative analyses, HPLC, AA, IC

MODEL	Technology	Flow Rate
MODULAB® High Flow Systems	DI/UV/ultramicrofiltration	14 lpm

Typical Applications: Glassware washing, reagent prep and wafer rinsing.

TYPE II

MODEL	Technology	Flow Rate
PURELAB® Option-S	RO/DI	7, 15, 30, 60 lph

Typical Applications: General laboratory analysis, Glassware washing/rinsing, Buffer Preparation

PURELAB® Option-R	RO/DI/UV	7, 15, 30, 60 lph

Typical Applications: General purpose HPLC, Flame AA, Electrochemistry, Spectrophotometry

PURELAB® Option-Q	RO/DI/UV	7, 15 lph

Typical Applications: General laboratory analysis, Glassware washing/rinsing, Buffer Preparation

MODEL	Technology	Flow Rate
MEDICA® PRO S/R/RE/R-200	RO/DI/UV/ultramicrofiltration/microfiltration	7, 15, 30, 60, 120, 200 lph

Typical Applications: Feed water to clinical analyzers

TYPE III

MODEL	Technology	Flow Rate
PURELAB® Prima	RO	7, 15, 20, 30, 60, 90 or 120 lph

Typical Applications: Pretreatment to the polisher

MODEL	Technology	Flow Rate
CENTRA® High Flow, MDS, LDS, RDS, S-200, R-200	RO/DI/UV	18,38 lpm

Typical Applications: Feed water to multiple floors, faucets, polishers, glassware washers, autoclaves

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PURELAB® Systems Define Quality

Type I
Ultrapure Water
PURELAB Ultra
PURELAB Classic
PURELAB Option Q
PURELAB UHQ

Type II
Laboratory Grade Water
PURELAB Option

Type III
Primary Grade Water
PURELAB Prima
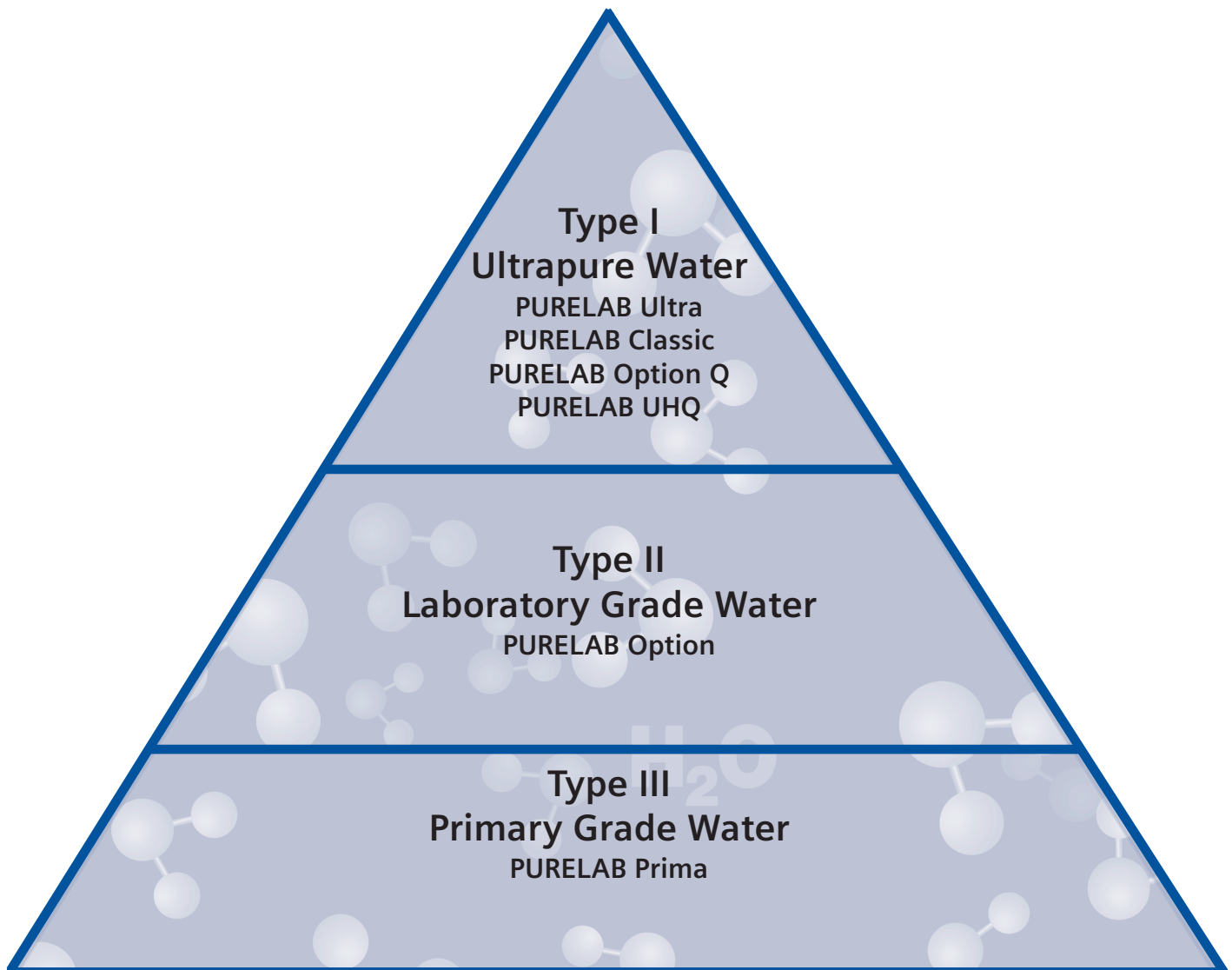
PURELAB® Ultra
Water Purification System

State-of-the-art intelligent water system delivers ASTM Type I ultrapure water for critical biological and analytical applications. Designed to ensure the highest quality water with the most advanced smart monitoring system.

Standard Features and Benefits
- 18.2 Megohm purity water up to 2.0 lpm
- Direct on-line real time TOC monitoring (Analytic and Genetic)
- Unique CID (cartridge identification) technology provides full traceability and history of purification cartridge packs for validation
- 5 models to choose from
- Worker polisher purification design reduces annual costs by 50%
- Programmable dispense with auto alarm and shut off prevents flooding
- Volumetric Profile Memory dispense
- Friendly consumable change-out reminders

PURELAB® ULTRA SYSTEM SPECIFICATIONS

Performance Specifications*

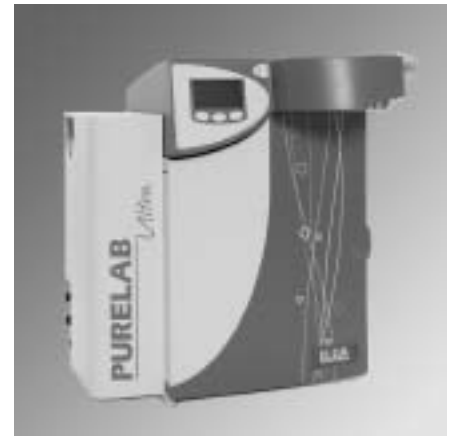| MODEL	Resistivity	Flow Rate (lpm)	TOC (ppb)	Endotoxins EU/ml	Bacteria CFU10/ml
PURELAB Ultra Scientific	18.2	up to 2.0	3-10	NA	<1**
PURELAB Ultra Ionic	18.2	up to 2.0	3-10	NA	<1
PURELAB Ultra Analytic	18.2	up to 2.0	1-2	NA	<1
PURELAB Ultra Bioscience	18.2	up to 2.0	3-10	<0.001	<1
PURELAB Ultra Genetic	18.2	up to 2.0	1-3	<0.001	<1

 * Specifications based on RO pretreatment
** < 1 CFU/ML w/0.2µm filter

System Dimensions

MODEL	HxWxD (in)	Weight lbs
PURELAB Ultra Scientific	19x16x14	38
PURELAB Ultra Ionic	19x16x14	39
PURELAB Ultra Analytic	19x16x14	40
PURELAB Ultra Bioscience	19x16x14	39
PURELAB Ultra Genetic	19x16x14	40

Feed Water Parameters

Maximum Fouling Index	<1*
Maximum Conductivity (RO Feed)	50 µS/cm
Minimum Resistivity (SDI Feed)	1 MΩ-cm
Maximum TOC	50 ppb
Maximum Free Chlorine	<0.05 ppm
Maximum Carbon Dioxide	30 ppm
Maximum Silica	2 ppm
Particulates	Down to 0.2 µm filtration
Temperature	1-40 °C
Feedwater Flow Rate	Maximum requirement 130 lph
Maximum Pressure	10 psi
Minimum Pressure	1 psi or flooded suction to the recirculation pump
Power Requirements	100-240 VAC, 50-60 Hz (all models)

*A 0.2µm prefilter recommended for all non-RO feeds.

Purification Technology

MODEL	Dual Purification Cartridges	UV 254nm	UV 254/185nm	UF Ultrafilter	UMF Ultra Microfilter	TOC Monitor
PURELAB Ultra Scientific	●					
PURELAB Ultra Ionic	●	●			●	
PURELAB Ultra Analytic	●		●		●	●
PURELAB Ultra Bioscience	●			●		
PURELAB Ultra Genetic	●		●	●		●

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PURELAB® Ultra
Water Purification System

Applications	PURELAB Ultra Scientific	PURELAB Ultra Ionic	PURELAB Ultra Analytic	PURELAB Ultra Bioscience	PURELAB Ultra Genetic
Invitro Fertilization					●
2D Electrophoresis					●
Glassware washing	●				
HPLC			●		
Immunology				●	
Microbiology				●	
Buffer Preparation	●				
Toxicology				●	
GC/MS			●		
Tissue Culture				●	
Flameless AA		●			
Ion Chromatography		●			
Protein/Peptide Sequencing				●	
Monoclonal Antibody production					●
TOC Analysis			●		
Endotoxin analysis				●	
DNA/RNA Research					●
PCR					●
ICP-MS		●			
Protein purification				●	
Mammalian Cell Culture					●
Atomic Absorption	●				
ICP-ES	●				

PURELAB® Ultra Systems
ORDERING INFORMATION

MODEL	Catalog Number
PURELAB Ultra Scientific	ULXXXSCM2
PURELAB Ultra Ionic	ULXXXIOM2
PURELAB Ultra Analytic	ULXXXANM2
PURELAB Ultra Bioscience	ULXXXBSM2
PURELAB Ultra Genetic	ULXXXGEM2
PURELAB Ultra Analytic under-bench system (with remote control station and dispense gun)	ULRSXANM2
PURELAB Ultra Genetic under-bench system (with remote control station and dispense gun)	ULRSXGEM2

Service and Maintenance packages available
DI (Deionization) Cartridges must be ordered separately

Consumables and Accessories

Consumables

Sanitization Tablets	CT1
UV Lamp 254nm (for Ionic)	LC105
UV Lamp 185nm/254nm	LC118
Ultra microfilter (0.05µm)	LC109
Ultrafilter (5,000 MWCO)	LC151
Point-of-Use Filter (0.2µm)	LC134
Labpure S1 DI Cartridge-RO Feed	LC182
Labpure S2 DI Cartridge-SDI Feed	LC183
Labpure S3 DI Cartridge-Low Ionic	LC184
Labpure S4 DI Cartridge-Low TOC	LC185

Accessories

Pressure Regulator Valve Inlet	SDIRG2613*
Wall Mounting Kit (PURELAB Ultra Unit)	LA622USA
RS232 Printer Kit	LA618
Installation Kit (PURELAB Ultra Unit) (supplied)	LA642
Remote Dispense Station (including dispense gun)	LA643
Integral Dispense Gun (PURELAB Ultra Unit)	LA644
Remote Control Station (PURELAB Ultra Unit)	LA645
Open Circuit Ring Main Kit	LA646
Closed Circuit Ring Main Kit	LA647
Pressure Regulator <60 psd	LA652

Storage reservoirs are located on pages 34.
* For feed pressure above 60 psig, use pressure regulator LA575.

Note: Installation kit supplied with all Ultra systems

PURELAB® Systems Validation Support
Siemens Water Technologies offers validation documentation support packages for all PURELAB® Ultra water purification products. Validation support manuals include Installation Qualification (IQ), Operational Qualification (OQ) documentation and other quality certification as required to complete validation of the water system. Our service engineers are fully trained to perform certification as required to complete the validation of water system.

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PURELAB® Classic Water Polishing Systems

Cost-efficient alternative for ASTM Type I purity water for general analytical and biological applications. The PURELAB® Classic System offers reliability, and uncompromising water quality.

Standard Features and Benefits

- 18.2 Megohm purity water up to 1.5 lpm
- Easy front loading cartridges
- Complete sanitization of all wetted parts
- Unique CID Technology provide full traceability and history of purification cartridge packs for validation
- Dual wavelength UV — 185 nm and 254 nm (PURELAB Classic UV Model)
- 5000 Dalton UF Module for pyrogen removal (PURELAB Classic UF Model)
- Wall or bench mountable
- Applications include HPLC, ICP, ICP/MS, GC, IC, AA, cell culture and molecular biology

PURELAB® CLASSIC SYSTEMS

System Specifications

MODEL	Resistivity	Flow Rate† (lpm)	TOC* (ppb)	Endotoxins** EU/ml	Bacteria** CFU/ml
PURELAB Classic DI	18.2	1.5	<3-10	NA	<1
PURELAB Classic UV	18.2	1.5	<1-3	NA	<1
PURELAB Classic UF	18.2	1.5	<3-10	<.001	<1
PURELAB Classic UV/UF	18.2	1.2	<1-3	<.001	<1

 * Depends on feed water conditions.
** Based on regular sanitization and proper maintenance of the system.
† Based on 1 bar feed pressure.

System Dimensions

MODEL	HxWxD (in)	Weight (lbs)	Inlet Connections	Power Requirements
PURELAB Classic DI	19x16x14	32	8mm (5/16") OD-Quick Connect	110–240 V 50/60 Hz
PURELAB Classic UV	19x16x14	33	8mm (5/16") OD-Quick Connect	110–240 V 50/60 Hz
PURELAB Classic UF	19x16x14	32	8mm (5/16") OD-Quick Connect	110–240 V 50/60 Hz
PURELAB Classic UV/UF	19x16x14	33	8mm (5/16") OD-Quick Connect	110–240 V 50/60 Hz

Feed Water Parameters

MODEL	Operating Temperature	Inlet Pressure	Free Chlorine (ppm)
PURELAB Classic DI	1–40˚ C	1–10 psig	<0.05
PURELAB Classic UV	1–40˚ C	1–10 psig	<0.05
PURELAB Classic UF	1–40˚ C	1–10 psig	<0.05
PURELAB Classic UV/UF	1–40˚ C	1–10 psig	<0.05

PURELAB® Classic Water Polishing Systems

Consumables

Chlorine Sanitization Tablets	CT1
Labpure S5 DI Cartridge	LC186
UF Membrane	LC169
UV Lamp 185/254 nm	LC170
0.2 µm Final Filter	LC134

Accessories

Integral Dispense Gun	LA644
Remote Dispense Station	LA645
Printer Kit	LA618
Sanitization by-pass block	LA698
Pressure Regulator Valve (Feed Water Pressures >4 bar (60 psi))	LA575
Pressure Regulator Valve (Feed Water Pressures >0.7 bar (10 psi))	LA652
Pressure Regulator <60 psi	SDIRG261
Wall Mount Kit	LA622USA
Remote Dispense Station with Dispense Gun	LA643
Open Ring Main Kit	LA646
Closed Ring Main Kit	LA647
Installation Kit	LA642
Composite Vent Filter	LC136M2

**PURELAB® CLASSIC SYSTEM
ORDERING INFORMATION**

MODEL	Catalog Number
PURELAB Classic DI	CLXXXDIM2
PURELAB Classic UV	CLXXXUVM2
PURELAB Classic UF	CLXXXUFM2
PURELAB Classic UV/UF	CLXXUVFM2

Purification Cartridges must be ordered separately.
UF cartridge and UV lamp supplied.

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PURELAB® UHQ Systems

Lightweight, compact, portable ultrapure water system for the modern laboratory requiring up to 15 liters per day of 18.2 Megohm ASTM Type I water. The PURELAB® UHQ System delivers ultrapure water from a tap feed or pretreated feed source for demanding laboratory applications.

Standard Features and Benefits

• 18.2 Megohm purity water up to 0.75 lpm
• Recirculation feature maintains optimum water quality and inhibits bacterial growth
• Specially conditioned ion exchange resin ensures absolute ionic purity
• UV reactor cell reduces microorganisms and TOC levels
• 0.05 μm absolute filter protects microbore columns in analytical instruments
• Quality meter continually displays resistivity of water
• 4 liter storage tank capacity
• Supplied complete with all consumables

Application	PURELAB UHQ II	PURELAB UHQ PS
HPLC	●	●
Atomic Absorption Spectroscopy	●	●
ICP/MS	●	●
Ion Chromatography	●	●

PURELAB® UHQ SYSTEM SPECIFICATIONS

Performance Specifications

MODEL	TOC (ppb)	Particles	Output/per 8 hr day when fed w/RO water	Bacteria CFU/ml
PURELAB UHQ II w/RO	<20	<0.05 μm	15 liters	<1
PURELAB UHQ PS w/out RO	<20*	<0.05 μm	25–40 liters	<1

* When fed with reverse osmosis (RO) water

System Dimensions

MODEL	HxWxD (in)	Shipping Weight (lbs)	Inlet Connections	Power Requirements
PURELAB UHQ II	16x9x16	22	3/4" NPT or 3/8" tube	110/115 V 60 Hz
PURELAB UHQ PS	16x9x16	22	3/4" NPT or 3/8" tube	110/115 V 60 Hz

PURELAB® UHQ Feed Water Parameters

MODEL	Feedwater quality	Operating Temperature	Inlet Pressure
PURELAB UHQ II	Potable water free from turbidity & organics (max. free chlorine <0.1 ppm	4–35˚ C	Max 90 psi/Min 30 psi
PURELAB UHQ PS	Prepurified, <20 μS/cm and filtered to 0.2 μm or less	4–35˚ C	Max 90 psi/Min 30 psi

PURELAB® UHQ SYSTEMS ORDERING INFORMATION

MODEL	Catalog Number
PURELAB UHQ II Type I water system w/RO	UHQ000IIXX11503
PURELAB UHQ PS Type I water system w/out RO	UHQ000PSXX11503

Consumables and Accessories

Purification Pack (2 organic absorption cartridges and 2 ion exchange cartridges)	UHQPACKA
Reverse Osmosis Cartridge	UHQ5
0.05 μm Ultra Microfilter	LC109
UV Lamp	LC104
Composite Vent Filter	UHQ4

MODULAB® High Flow Systems

Modular polishing system provides up to 18.2 Megohm quality water on demand. The MODULAB® High Flow System is offered in three models: low TOC (Total Organic Carbon), low bacteria, low pyrogen systems.

Features and Benefits
• High capacity, low TOC cartridges
• Flow rates up to 14 lpm
• Dual wavelength UV sterilization
• Wall mountable
• Up to 18.2 MΩ-cm water

MODULAB® HIGH FLOW SYSTEMS

Ordering Information

MODEL #	PRODUCT
MHF0ORG1	Modulab High Flow System Low TOC
MHF0SMF2	Modulab High Flow System Bio Model
MHD0SMF5	Modulab High flow System UF Model
CARTRIDGES	
MLHF20DI01	Carbon Cartridge
MLHF20CAR1	Mixed Bed Cartridge
MLHF20OS01	Organic Removal Cartridge
FCUF020S2 (1/PK)	0.2 µm, Filter Cartridge
MLMF020S2 (2/PK)	0.2 µm, Filter Cartridge
FCUF020S05	0.05 µm, Micro Ultrafilter Cartridge
CONSUMABLES	
BULBUV185	UV Lamp
MLHFTOC1KIT	Start-up Kit (Low TOC)
MLHFB102	Start-up Kit (Bio Model)
MLHFUF05	Start-up Kit (UF Model)

General Specifications
Operating Parameters

Min Feed Pressure	0.5 psig
Max Feed Pressure	60 psig
Min Feed Temperature	41˚F (5˚C)
Max Feed Temperature	100˚F (37.7˚C)

Physical Specifications

Length, in (cm)	43 (109)
Depth, in (cm)	8.5 (22)
Height, in (cm)	39 (100)*
UV Bulb Service Clearance, in (cm)	6 (16) Front

Utility Requirements
Electrical

Low voltage service, Single Phase	115 VAC
Breaker required per Code	15 AMP
Feed Water	RO or DI water

*   Requires an additional 4" in height to allow changing of cartridges

MODULAB® System Specifications
Product Water Quality

Min. Flow Rate	2 lpm (0.5 gpm)
Max Flow Rate	Up to 14 lpm (3.7 gpm)
Resistivity	Up to 18.2 MΩ-cm @ 25˚C
Total Organic Carbon (TOC)	<15 ppb*
Heavy Metals	<0.10 ppb
Bacteria	<10 cfu/ml**
Endotoxin	<0.05 EU/ml**

*   With organic Removal Cartridge installed and RO (reverse osmosis) feed water.
**   With Sub-micron or UF (ultrafiltration) Filter Cartridge installed as specified.
Note: Specifications are based on a RO feed with recirculation.

PURELAB®
Option-S Water Purifiers

The PURELAB® Option-S System combines pretreatment, reverse osmosis, and ionic/organic removal in a single unit to deliver better than single distilled quality water from a potable water source. With 4 models to choose from, the PURELAB® Option-S System is ideally suited for general laboratory analyses and as pretreatment to ultrapure water polishing units.

Standard Features and Benefits

• Up to 10 Megohm purity water
• Easy front loading cartridges
• Cartridge change indicator
• Microprocessor controlled system management with continuous water quality monitoring
• Data collection capabilities through RS232 interface
• Adjustable audio-visual alarms
• Upgradable to higher flow rates
• Wall or bench mountable
• Supplied complete with all consumables

PURELAB® OPTION-S SYSTEM SPECIFICATIONS

Performance Specifications

MODEL	Resistivity MΩ-cm	TOC (ppb)	Bacteria* CFU/ml	pH	Flow Rate LPH @ 25˚ C
PURELAB Option-S 7/15	1–10	<30	NA	Neutral	7 or 15
PURELAB Option-S 30/60	1–10	<50	<1	Neutral	30 or 60

* Based on regular sanitization and proper maintenance of the system

System Dimensions

MODEL	HxWxD (in)	Weight (lbs)	Power Requirements
PURELAB Option-S 7	18.2x16.2x8.3	29.8	110–240 V 50- 60 Hz
PURELAB Option-S15	18.2x16.2x8.3	32	110–240 V 50- 60 Hz
PURELAB Option-S 30	29.2x22.5x12.6	114.6	110–120 V 60 Hz
PURELAB Option-S 60	29.2x22.5x12.6	116.8	110–120 V 60 Hz

Feed Water Parameters

MODEL	Feed Water	Maximum FI	Max. Conductivity µS/cm	Max. Free Chlorine (ppm)	Temperature	Max. Pressure w/out booster pump (psi)	Max. Pressure w/booster pump (psi)
PURELAB Option-S 7/15	Potable	10	1400	<0.5	1–35˚ C	90	30
PURELAB Option-S 30/60	Potable	10	1400	<0.5	1–35˚ C	N/A	N/A

*Fouling Index

Application	PURELAB Option-S 7/15	PURELAB Option-S 30/60
Glassware Washing/Rinsing	●	●
Reagent Preparation	●	●
Buffer Preparation	●	●
General Chemistry	●	●
Qualitative Analyses	●	●
Feed to Environmental Cabinets	●	●

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PURELAB®
Option-S Water Purifiers

**PURELAB® OPTION-S SYSTEM
ORDERING INFORMATION**

MODEL	Catalog Number
PURELAB Option-S 7	OS007XXM1
PURELAB Option-S 7 w/booster pump	OS007BPM1 (for feed waters less than 60 psi)
PURELAB Option-S 15	OS015XXM1
PURELAB Option-S 15 w/booster pump	OS015BPM1 (for feed waters less than 60 psi)
PURELAB Option-S 30	OPT030XXXX11503
PURELAB Option-S 60	OPT060XXXX11503

*Reservoir is required with Option-S (sold separately - see below)
All units come complete with installation kit and full set of cartridges

Consumables and Accessories

Option-S 7/15		Option-S 30/60	
Pretreatment Cartridge	LC140	5 µm Carbon Filter	LC123
RO module (7.5 lph)	LC143	RO Module (30 lph)	LC115
Purification Cartridge	LC141	RO Module (60 lph)	LC119
Composite Vent Filter	LC136M2	Purification Cartridge	LC114
Wall Mounting Bracket	LA622USA	UV Lamp	LC105
Chlorine Sanitization Tablets	CT1	Wall Mounting Bracket	LA593USA
Pressure Regulator Valve	LA512	Cleaning Solution Elgalite RF	SOLU30966
Booster Pump Kit	LA609	Flow Upgrade Kit 30–60 lph	LA562
Flow Upgrade Kit (7–15 lph)	LA604	Installation Kit (supplied)	LA545
RS232 Printer Kit	LA618		
Remote Control Station	LA624 (7/15 units only)		
Installation Kit (supplied)	LA513		
Remote Dispensing Valve	LA521		

Storage Reservoirs - Required with system

Option-S 7/15		Option-S 30/60	
25 Liter Reservoir	LA611	40 Liter Reservoir	LA587
40 Liter Reservoir	LA612	75 Liter Reservoir	LA590
75 Liter Reservoir	LA613	Wall Mounting Kit (25/40 Liter Reservoir)	LA591USA
DV 35 Docking Vessel	LA620	Wall Mounting Kit (75 Liter Reservoir)	LA592USA
DV 35 Liter Mounting Bracket	LA591USA		
Wall Mounting Kit (25/40 Liter Reservoir)	LA591USA		
Wall Mounting Kit (75 Liter Reservoir)	LA592USA		

Note: Installation kit is supplied with DV Reservoirs

PURELAB®
Option-R Water Purifiers

The PURELAB® Option-R System features all the technologies of the S series units with the added benefit of an integral recirculation feature to deliver better than double distilled quality water from a potable water source. The PURELAB® Option-R System is ideally suited for standard laboratory techniques and as pretreatment to ultrapure water polishing units where TOC is a concern.

Standard Features and Benefits
• 10 to 15 Megohm purity water
• Easy front loading cartridges
• Cartridge change indicator
• Microprocessor controlled system management with continuous water quality monitoring through unique GRID display (Option-R 7/15)
• Data collection capabilities through RS232 interface
• Adjustable audio-visual alarms
• Upgradable to higher flow rates
• Wall or bench mountable
• Supplied complete with all consumables

PURELAB® OPTION-R SYSTEM SPECIFICATIONS

Performance Specifications

MODEL	Resistivity MΩ -cm	TOC* (ppb)	Bacteria* CFU/ml	pH	Particulates	Flow Rate LPH @ 25° C
PURELAB Option-R 7/15	10 to >15	<20	<1	Neutral	>0.2 μm	7/15
PURELAB Option-R 30/60	1 to >15	<50	<1	Neutral	>0.2 μm	30/ 60

* Based on regular sanitization and proper maintenance of the system

System Dimensions

MODEL	HxWxD (in)	Weight (lbs)	Power Requirements
PURELAB Option-R 7/15	18.2x16.2x8.3	R7–39.8 : R15–41.9	110–240 V 50- 60 Hz
PURELAB Option-R 30/60	29.2x22.5x12.6	R30–116.8 : R60–119	110–120 V 60 Hz

Feed Water Parameters

MODEL	Feedwater	Maximum FI*	Max. Conductivity μS/cm	Max. Free Chlorine (ppm)	Temperature	Pressure w/out booster pump (psi)	Pressure w/booster pump (psi)
PURELAB Option-R 7/15	Potable	10	1400	<0.5	1–35° C	90 max/60 min.	30 max/flooded suction
PURELAB Option-R 30/60	Potable	10	1400	<0.5	1–35° C	NA	NA

* Fouling Index

Application	PURELAB Option-R 7/15	PURELAB Option-R 30/60
Glassware Washing/Rinsing	●	●
Cytology & Histology Preparations	●	●
Immuno-Cytochemistry	●	●
Spectrophotometry	●	●
Electrophysiology	●	●
Electrochemistry	●	●
RIA/ELISA	●	●
Flame AA	●	●
General Purpose HPLC	●	●

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PURELAB®
Option-R Water Purifiers

**PURELAB® OPTION-R SYSTEM
ORDERING INFORMATION**

MODEL	Catalog Number
PURELAB Option-R 7	OR007XXM1
PURELAB Option-R 7 w/booster pump	OR007BPM1 (for feed waters less than 60 psi)
PURELAB Option-R 15	OR015XXM1
PURELAB Option-R 15 w/booster pump	OR015BPM1 (for feed waters less than 60 psi)
PURELAB Option-R 30	OPT030PLXX11503
PURELAB Option-R 60	OPT060PLXX11503

*Reservoir is required with Option-R (sold separately)
All units come complete with installation kit and full set of cartridges

Consumables and Accessories

Option-R 7/15		Option-R 30/60	
Pretreatment Cartridge	LC140	5 µm Carbon Filter	LC123
RO module (7.5 lph)	LC143	RO Module (30 lph)	LC115
Purification Cartridge	LC141	RO Module (60 lph)	LC119
Composite Vent Filter	LC136M2	Purification Cartridge	LC114
Point-of-Use Filter (0.2µm)	LC145	Point-of-Use Filter	LC106
UV Lamp	LC105	UV Lamp	LC105
Wall Mounting Bracket	LA622USA	Wall Mounting Bracket	LA593USA
Chlorine Sanitization Tablets	CT1	Cleaning Solution Elgalite RF	SOLU30966
Pressure Regulator Valve	LA512	Flow Upgrade Kit 30 to 60 lph	LA561
Booster Pump Kit	LA609	Installation Kit (supplied)	LA545
Flow Upgrade Kit (7 to 15 lph)	LA604		
RS232 Printer Kit	LA618		
Remote Control Station	LA625 (7/15 units only)		
Remote Dispensing Gun	LA629 (7/15 units only)		
Installation Kit (supplied)	LA513		

Storage Reservoirs - Required with system

Option-R 7/15		Option-R 30/60	
25 Liter Reservoir	LA611	40 Liter Reservoir	LA587
40 Liter Reservoir	LA612	75 Liter Reservoir	LA590
75 Liter Reservoir	LA613	Composite Vent Filter	LC136M2
DV 25 Liter Docking Vessel	LA621	Wall Mounting Kit (25/40 Liter Reservoir)	LA591USA
DV 25 Liter Mounting Bracket	LA591USA	Wall Mounting Kit (75 Liter Reservoir)	LA592USA
Composite Vent Filter	LC136M2		
Wall Mounting Kit (25/40 Liter Reservoir)	LA591USA		
Wall Mounting Kit (75 Liter Reservoir)	LA592USA		

PURELAB®
Option-Q Water Purifiers

The PURELAB® Option-Q System produces ultra pure water with out the need for a pre-purified feed supply. Available in two models depending on flow rate requirements, the PURELAB® Option-Q System delivers up to 18 Megohm water on demand direct from tap making it a cost effective choice for the laboratory.

Standard Features and Benefits
- Up to 18.2 Megohm water from tap
- Cartridge change indicator to ensure optimal performance
- Easy front loading cartridges
- Adjustable audio-visual alarms for consumable change-outs
- RS232 interface for easily downloaded data collection
- Compact Design
- Comes complete with all consumables

PURELAB® OPTION-Q SYSTEM SPECIFICATIONS

Performance Specifications

MODEL	Resistivity at 25˚C	TOC (ppb)	Bacteria* CFU/ml with POU Filter (optional)	pH	Particulates POU Filter (optional)	Flow Rate LPH@25˚C
PURELAB Option-Q 7/15	Up to 18.2 MΩ-cm	<10	<1	Effectively Neutral	>0.2 μm	7/15

* Based on regular sanitization and proper maintenance of the system

System Dimensions

MODEL	HxWxD (in)	Weight (lbs)
PURELAB Option-Q 7	18.1x21.7x10.5	39.7
PURELAB Option-Q 15	18.1x21.7x10.5	41.8

Feed Water Parameters

MODEL	Feedwater	Maximum FI*	Max. Conductivity μS/cm	Max. Free Chlorine	Carbon Dioxide (ppm)	Temperature	Pressure w/out booster pump (psi)	Pressure w/booster pump (psi)
PURELAB Option-Q 7/15	Potable	10	1400	0.5	30	1−35˚ C	90 max/60 min.	30 max/flooded suction min.

* Fouling Index

Application	PURELAB Option-Q 7/15
Glassware Washing/Rinsing	●
Reagent Preparation	●
Buffer Preparation	●
General Chemistry	●
Qualitative Analyses	●
Feed to Environmental Cabinets	●

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PURELAB®
Option-Q Water Purifiers

PURELAB® OPTION-Q SYSTEM ORDERING INFORMATION

MODEL	Catalog Number
PURELAB Option-Q 7	OQ007XXM1
PURELAB Option-Q 7 BP w/booster pump	OQ007BPM1
PURELAB Option-Q 15	OQ015XXM1
PURELAB Option-Q 15 BP w/booster pump	OQ015BPM1

Consumables and Accessories

Consumables		Accessories	
Pretreatment Cartridge	LC140	Installation Kit (supplied)	LA513
Reverse Osmosis Cartridge Module	LC143	Installation Kit (with saddle valve)	LA506
Ion Exchange Cartridge Pack	LC163	Pressure Regulator Valve (inlet)	LA512
UV Lamp	LC118	Booster Pump Kit	LA609
Point of Use Filter	LC145	Wall Mounting Kit (PURELAB Option-Q)	LA622USA
Chlorine Sanitization Tablets	CT1	Flow Upgrade Kit (7–15l/hr)	LA605
Composite Vent Filter	LC136M2	RS232 Printer Kit	LA618
Pretreatment Filter	LC123	Remote Dispense Valve	LA521
		Remote Control Station	LA675
		Remote Dispensing Gun	LA629
		Prefilter if Boost Pump Fitted	LA582

Storage Reservoirs - Required with system

Option-Q 7/15

25 Liter Reservoir	LA611
40 Liter Reservoir	LA612
75 Liter Reservoir	LA613
DV 25 Liter Docking Vessel	LA621
DV 25 Liter Mounting Bracket	LA591USA
Composite Vent Filter	LC136M2
Wall Mounting Kit (25/40 Liter Reservoir)	LA591USA
Wall Mounting Kit (75 Liter Reservoir)	LA592USA

Reservoir is required with Option-Q unit (sold separately)
All units come complete with installation kit and full set of cartridges

PURELAB® Prima 7/15/20 Reverse Osmosis Systems

PURELAB® Prima reverse osmosis water purification systems deliver Type III/IV primary grade water from a tap feed. All models continuously monitor and display water quality and operational parameters, ensuring a constant supply of pretreated quality water. Prima systems are ideal as pretreatment to ultrapure water polishers or for routine glassware washing.

Standard Features and Benefits

- Advanced high flux TFC membranes
- Easy front loading cartridges
- Cartridge change indicator
- Microprocessor controlled system management with continuous water quality monitoring through unique GRID display
- Data collection capabilities through RS232 interface
- Adjustable audio-visual alarms
- Upgradable to higher flow rates
- Wall or bench mountable
- Supplied complete with all consumables

PURELAB® PRIMA 7/15/20 SYSTEM SPECIFICATIONS

Performance Specifications

MODEL	Inorganics	TOC (ppm)	Bacteria* CFU/ml	Organics	Particulates	Flow Rate LPH @ 25˚ C
PURELAB Prima 7/15/20	Up to 98% rejection (90% min)	<0.1	<5	>99% rejection	>99% removal	7 or 15 or 20

* Based on regular sanitization and proper maintenance of the system

System Dimensions

MODEL	HxWxD (in)	Weight (lbs)	Power Requirements
PURELAB Prima 7/15/20	18.2x16.2x8.3	Prima 7–25.4 Prima 15–27.6 Prima 20–28.7	110–240 V 50- 60 Hz

Feed Water Parameters

MODEL	Feedwater	Maximum FI*	Max. Conductivity µS/cm	Max. Free Chlorine (ppm)	Temperature	Pressure w/out booster pump (psi)	Pressure w/booster pump (psi)
PURELAB Prima 7/15/20	Potable	10	1400	<0.5	1–35˚ C	90 max/60 min	30 max/flooded suction

*Fouling Index

Application	PURELAB Prima 7	PURELAB Prima 15	PURELAB Prima 20
Glassware Washing	●	●	●
Hydroponics	●	●	●
Pretreatment to Ultrapure water systems	●	●	●

Siemens
Water Technologies
24-hr Customer Service: 800.466.7873

PURELAB® Prima 7/15/20 Reverse Osmosis Systems

PURELAB® PRIMA 7/15/20 SYSTEMS ORDERING INFORMATION

MODEL	Catalog Number
PURELAB Prima 7	PR007XXM1
PURELAB Prima 7 w/booster pump	PR007BPM1 (for feed waters less than 60 psi)
PURELAB Prima 15	PR015XXM1
PURELAB Prima 15 w/booster pump	PR015BPM1 (for feed waters less than 60 psi)
PURELAB Prima 20	PR020XXM1
PURELAB Prima 20 w/booster pump	PR020BPM1(for feed waters less than 60 psi)

All units include installation kit and full set of cartridges

Consumables and Accessories

Pretreatment Cartridge	LC140
RO Module (7.5 lph)	LC143
Wall Mounting Bracket	LA622USA
Chlorine Sanitization Tablets	CT1
Flow Upgrade Kit (7–15 lph)	LA614
Flow Upgrade Kit (15–20 lph)	LA615
Flow Upgrade Kit (7–20 lph)	LA616
RS232 Printer Kit	LA618
Pressure Regulator	LA512
Raw Water Booster Pump Kit	LA609
Remote Control Station	LA628
Installation Kit (supplied)	LA513

Storage Reservoirs - Required with system

25 Liter Reservoir	LA611
40 Liter Reservoir	LA612
75 Liter Reservoir	LA613
DV 35 Docking Vessel	LA620
DV 35 Mounting Bracket	LA591USA
Composite Vent Filter	LC136M2
Wall Mounting Kit (25/40 Liter Reservoir)	LA591USA
Wall Mounting Kit (75 Liter Reservoir)	LA592USA

PURELAB® Prima 30/60/90/120 Reverse Osmosis Systems

Designed to meet your higher water volume requirements, PURELAB® Prima reverse osmosis water purification systems provide primary grade water from a tap feed at flow rates up to 120 liters per hour. With a built-in integral booster pump, PURELAB® Prima reverse osmosis systems are ideal as pretreatment to feeding autoclaves, dishwashers or for use in environmental cabinets.

Standard Features and Benefits

• Auto rinse capability

• Wall or bench mountable

• Low energy consumption

• Microprocessor based management system

• Integral pretreatment

• Performance indicators

• Upgradable to higher flow rates

• Supplied complete with all consumables

PURELAB® PRIMA 30/60/90/120 SYSTEM SPECIFICATIONS

Performance Specifications

MODEL	Inorganics	TOC (ppm)	Bacteria* CFU/ml	Organics	Particulates	Flow Rate LPH @ 15˚ C
PURELAB Prima 30/60/90/120	Up to 98% rejection (90% minimum)	<0.1	<5	>99% rejection	>99% removal	30/60/90 or 120

* Based on regular sanitization and proper maintenance of the system.

System Dimensions

MODEL	HxWxD (in)	Weight (lbs)	Power Requirements
PURELAB Prima 30/60/90/120	29.2x22.5x12.6	Prima 30–101.4 Prima 60–103.6 Prima 90–105.8 Prima 120–119.0	110–120 V 60 Hz

Feed Water Parameters

MODEL	Source	Maximum FI*	Max. Conductivity µS/cm	Max. Free Chlorine (ppm)	Temperature	Inlet Pressure (psi)
PURELAB Prima 30/60/90/120	Potable	10	1400	<0.5	1–35˚ C	90 max/20 minimum

*Fouling Index

Application	PURELAB Prima 30	PURELAB Prima 60	PURELAB Prima 90	PURELAB Prima 120
Glassware Washing	●	●	●	●
Feed to Autoclaves	●	●	●	●
Steam Generator Feed	●	●	●	●
Feed to Environmental Cabinets	●	●	●	●
Pretreatment to Polishers	●	●	●	●

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24-hr Customer Service: 800.466.7873

PURELAB® Prima 30/60/90/120 Reverse Osmosis Systems

PURELAB® PRIMA 30/60/90/120 SYSTEMS ORDERING INFORMATION

MODEL	Catalog Number
PURELAB Prima 30	PRI030XXXX11503
PURELAB Prima 60	PRI060XXXX11503
PURELAB Prima 90	PRI090XXXX11503
PURELAB Prima 120	PRI120XXXX11503

All units include installation kit and full set of cartridges

Consumables and Accessories

5 µm Carbon Filter	LC123
RO Module (30 lph)	LC115
RO Module (60 lph)	LC119
RO Module (90 lph)	LC120
Wall Mounting Bracket	LA593USA
Cleaning Solution Elgalite RF	SOLU30966
Flow Upgrade Kit (30 to 60 lph)	LA558
Flow Upgrade Kit (60 to 90 lph)	LA559
Flow Upgrade Kit (90 to 120 lph)	LA560

Storage Reservoirs - Required with system

40 Liter Reservoir	LA587
75 Liter Reservoir	LA590
Composite Vent Filter	LC136M2
Wall Mounting Kit (40 Liter reservoir)	LA591USA
Wall Mounting Kit (75 Liter reservoir)	LA592USA
Installation Kit (supplied)	LA545

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Technical Support 800.875.7873 ext. 5000

CENTRA® Packaged Central Laboratory Water Systems

The Centra® Lab Central Water System combines purification, storage and distribution in a single cabinet. The compact system design incorporates, RO, UV, filters, pump and reservoir in one unit. Purified water is distributed via a loop to multiple labs and points of use in a building.

Standard Features and Benefits

- Flow rates of 5 gpm and 10 gpm
- Consumable change reminders
- Feeds multiple floors, faucets, polishers, glassware washers, autoclaves and sterilizers in a facility
- Water leak detection to prevent lab flooding
- Compact design for space utilization
- Easy connection to Building Management System (BMS)
- Validatable

CENTRA® SYSTEM SPECIFICATIONS

Performance Specifications

MODEL	Inorganics	TOC	Bacteria*	Particulates
CENTRA MDS	As per feed	As per feed	As per feed	As per feed
CENTRA LDS	As per feed	As per feed	As per feed	As per feed
CENTRA LDS-HF	As per feed	As per feed	As per feed	n/a
CENTRA RDS	From feed quality up to 18.2 MΩ-cm*	From feed quality to <10 ppb*	<5 CFU/ml**	0.2µm filter
CENTRA RDS-HF	From feed quality up to 18.2 MΩ-cm*	From feed quality to <10 ppb*	<5 CFU/ml**	0.2µm filter
CENTRA S-200	RO Permeate	Typically <100 ppb***	<50 CFU/ml**	0.2µm filter
CENTRA S-200-HF	RO Permeate	Typically <100 ppb***	<50 CFU/ml**	<10 micron
CENTRA R-200	Up to 18.2 MΩ-cm*	<10 ppb[2]	<5 CFU/ml**	0.2µm filter
CENTRA R-200-HF	Up to 18.2 MΩ-cm*	<10 ppb[2]	<5 CFU/ml**	<10 micron

System Specifications

MODEL	HxWxD (in)	Weight (lbs) Empty	Weight (lbs) working	Typical Loop Flow Rate****	Reservoir Volume	Electrical Requirements 115V and 11F230V
CENTRA MDS	47x28.75x35	254	352	Up to 18 L/min @ 3 Bar (45psi)	200 Liters (53 US gallons)	110V / 60Hz
CENTRA LDS	71.7x28.75x35	396	1124	Up to 18 L/min @ 3 Bar (45psi)	350 Liters (92 US gallons)	110V / 60Hz
CENTRA LDS-HF	71.7x28.75x35	396	1124	38L/min @ 3 Bar (45psi)	350 Liters (92 US gallons)	208-230V / 60Hz
CENTRA RDS	71.7x28.75x35	396	1124	Up to 18 L/min @ 3 Bar (45psi)	350 Liters (92 US gallons)	110V / 60Hz
CENTRA RDS-HF	71.7x28.75x35	396	1124	38L/min @ 3 Bar (45psi)	350 Liters (92 US gallons)	208-230V / 60Hz
CENTRA S-200	71.7x28.75x35	507	1279	Up to 18 L/min @ 3 Bar (45psi)	350 Liters (92 US gallons)	110V / 60Hz
CENTRA S-200-HF	71.7x28.75x35	507	1279	38L/min @ 3 Bar (45psi)	350 Liters (92 US gallons)	208-230V / 60Hz
CENTRA R-200	71.7x28.75x35	507	1279	Up to 18 L/min @ 3 Bar (45psi)	350 Liters (92 US gallons)	110V / 60Hz
CENTRA R-200-HF	71.7x28.75x35	507	1279	38L/min @ 3 Bar (45psi)	350 Liters (92 US gallons)	208-230V / 60Hz

Feed Water Parameters

MODEL	Source	Maximum FI*	Conductivity µS/cm	Max. Free Chlorine (ppm)	Temperature	Pressure
CENTRA MDS	Potable	n/a	n/a	n/a	5–35˚ C (41-95˚ F)	145 psi max
CENTRA LDS	Potable	n/a	n/a	n/a	5–35˚ C (41-95˚ F)	145 psi max
CENTRA LDS-HF	Potable	n/a	n/a	n/a	5–35˚ C (41-95˚ F)	145 psi max
CENTRA RDS	Potable	n/a	n/a	n/a	5–35˚ C (41-95˚ F)	145 psi max
CENTRA RDS-HF	Potable	5	n/a	n/a	5–35˚ C (41-95˚ F)	145 psi max
CENTRA S-200	Potable	5	1000	0.1 ppm	5–35˚ C (41-95˚ F)	58 psi max
CENTRA S-200-HF	Potable	5	1000	0.1ppm	5–35˚ C (41-95˚ F)	58 psi max
CENTRA R-200	Potable	5	1000	0.1 ppm	5–35˚ C (41-95˚ F)	58 psi max
CENTRA R-200-HF	Potable	5	1000	0.1ppm	5–35˚ C (41-95˚ F)	58 psi max

*Subject to suitable deionization cylinder.
**Subject to correct operating and maintenance procedures.
***Subject to feed water.
****Subject to distribution loop design.

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CENTRA® Packaged Central Laboratory Water Systems

**CENTRA® LAB WATER SYSTEM
ORDERING INFORMATION**

MODEL	Catalog Number
CENTRA MDS	CNXXXMDM1115
CENTRA LDS	CNXXXLDM1115
CENTRA LDS High Flow	CNHFLDM1-230
CENTRA RDS	CNXXXRDM1115
CENTRA RDS High Flow	CNHFRRDM1-230
CENTRA S200	CN200SDM1115
CENTRA S200 High Flow	CNHFRS201-230
CENTRA R200	CN200RDM1115
CENTRA R200 High Flow	CNHFRR2M1-230

Consumables and Accessories

CENTRA® Lab Water System

Composite Vent Filter	LC156
Bacteriological Filter (0.2 μm)	LC157
UV Lamp	LC158
Pretreatment Filter (10 μm)	LC159
0.2 μm Filter 10"	FCWNF1052
RO Module	LC161
Dot Matrix Printer Kit	LA666
CENTRA Remote Display	LA665
High Recovery Reverse Osmosis Kit (S200 R200)	LA679

CENTRA® High Flow System

Composite Vent Filter	LC156
UV Lamp	LC158
Pretreatment Filter (10 μm)	LC159
0.2 μm Filter 20"	FCWNF2052
RO Module	LC161
Dot Matrix Printer Kit	LA666
CENTRA Remote Display	LA665
Loop Booster Pump Module	LA696
High Recovery Reverse Osmosis Kit (S200 R200)	LA679
Temperature Control Kit	LA688

MEDICA® 7/15 Water Systems (Models S/R/D) for Clinical Analyzers

Compact system utilizing pretreatment, RO, deionization, UV photo oxidation and in-line microfiltration technologies to produce CLSI (Clinical Laboratory Standards Institute) Type I water to feed chemistry and immuno-diagnostic analyzers. Available in recirculating model - MEDICA® R, degassing model - MEDICA® D or standard MEDICA® Systems.

Standard Features and Benefits

- 1 to 15 Megohm purity water
- Flow rates from 7 lph to 15 lph
- Easy front loading cartridges
- Microprocessor controlled system management with continuous water quality monitoring through unique LCD display
- Adjustable audio-visual alarms and cartridge change indicator
- RS232 port for water quality data collection for compliance with GLP
- Models available with a degassing feature (MEDICA® D 7/15)
- Recirculating models available to ensure consistent purity
- System includes all cartridges

MEDICA® S/R/D 7/15 SYSTEM SPECIFICATIONS

Performance Specifications

MODEL	Resistivity MΩ-cm @ 25˚ C	Flow Rate LPH @ 15˚ C	TOC (ppb)	Bacteria* CFU/ml	pH	Particulates
MEDICA S 7/15	1–15	7/15	<30	<1	Neutral	<0.2 µm
MEDICA R 7/15	1–15	7/15	<30	<1	Neutral	<0.2 µm
MEDICA D 7/15	1–15	7/15	<30	<1	Neutral	<0.2 µm

* Based on regular sanitization and proper maintenance of the system

System Dimensions

MODEL	HxWxD (in)	Weight (lbs)	Power Requirements
MEDICA S 7/15	18.2x21.6x10.6	MEDICA 7–40.8 MEDICA 15–41.9	100–240 V 50-60 Hz
MEDICA R 7/15	18.2x21.6x10.6	MEDICA 7–40.8 MEDICA 15–41.9	100–240 V 50-60 Hz
MEDICA D 7/15	18.2x21.6x10.6	MEDICA 7–40.8 MEDICA 15–41.9	100–240 V 50-60 Hz

Feed Water Parameters

MODEL	Source	Maximum FI*	Conductivity µS/cm	Max. Free Chlorine (ppm)	Temperature	Pressure w/out booster pump (psi)	Pressure w/booster pump (psi)
MEDICA S 7/15	Potable	10	1400	<0.5	1–35˚ C	90 max/60 min.	30 max/flooded suction
MEDICA R 7/15	Potable	10	1400	<0.5	1–35˚ C	90 max/60 min.	30 max/flooded suction
MEDICA D 7/15	Potable	10	1400	<0.5	1–35˚ C	90 max/60 min.	30 max/flooded suction

* Fouling Index

Application	MEDICA 7	MEDICA 15
Feed Water for Clinical Analyzers	●	●

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MEDICA® Water Systems for Clinical Analyzers

MEDICA® S/R/D 7/15 SYSTEMS ORDERING INFORMATION

MODEL	Catalog Number
MEDICA S 7	ME007XXM1
MEDICA S 7 w/booster pump	ME007BPM1 (for feed waters of less than 60 psi)
MEDICA D 7 w/booster pump	MD007BPM2
MEDICA D 7	MD007XXM1 w/DV-25
MEDICA D 7 w/booster pump	MD007BPM1 w/DV-25
MEDICA R 7	MR007XXM1
MEDICA R 7 w/booster pump	MR007BPM1
MEDICA S 15	ME015XXM1
MEDICA S 15 w/booster pump	ME015BPM1 (for feed waters of less than 60 psi)
MEDICA D 15	MD015XXM1 w/DV-25
MEDICA D 15 w/booster pump	MD015BPM1 w/DV-25
MEDICA D 15 w/booster pump	MD015BPM2
MEDICA R 15	MR015XXM1 (for feed waters of less than 60 psi)
MEDICA R 15 w/booster pump	MR015BPM1

Consumables and Accessories

Pretreatment Cartridge	LC140
RO Module (7.5 lph)	LC143
Purification Cartridge	LC141
In-Line 0.2 µm Filter	LC125
UV Lamp	LC105
Wall Mounting Bracket	LA622USA
Chlorine Sanitization Tablets	CT1
Pressure Regulator Valve	LA512
Booster Pump Kit	LA609
Flow Upgrade Kit (7 to 15 lph)	LA606
RS232 Printer Kit	LA618
Remote Control Station	LA627 (7/15 units only)
Installation Kit (supplied)	LA513
MEDICA D Degas Membrane	MEMB37275

Storage Reservoirs - One Required with System

25 Liter Reservoir	LA611
40 Liter Reservoir	LA612
75 Liter Reservoir	LA613
DV 25 Liter Docking Vessel	LA621
Composite Vent Filter	LC136M2
Wall Mounting Kit (25/40 Liter Reservoir)	LA591USA
Wall Mounting Kit (75 Liter Reservoir)	LA592USA
DV25 Mounting Bracket	LA591USA

All units include installation kit and full set of cartridges
Note: Some MEDICA D systems come with DV-25 Docking Vessel Reservoir. Please note above specifications.

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Technical Support 800.875.7873 ext. 5000

MEDICA® Pro 30/60/120 Water Systems (S/R/RE) for Clinical Analyzers

The MEDICA® Pro line of water purification systems is available in four models to meet CLSI Type I water standards for clinical analyzers. The system incorporates an integral 50 liter storage reservoir, RO, DI purification, UV photo-oxidation and ultra-microfiltration technologies.

Standard Features and Benefits

- Xport USB device for easy download of system performance data to comply with GLP guidelines
- Unique space saving design
- Upgradable for higher flowrates
- High capacity Protek deionization cartridges
- Special E-cartridge to reduce CO_2 and prolong the life of the DI packs
- Leak detection with auto shut down - minimizing the risk of flooding
- Emergency by-pass loop provides an uninterrupted supply of pure water in an emergency

MEDICA® PRO S/R/RE SYSTEM SPECIFICATIONS

Performance Specifications

MODEL	Inorganics MΩ-cm @ 25° C (77° F)	TOC (ppb)	Silica ppm	Bacteria* CFU/ml	Particulates µm	pH	Dispense Flows to analyzer	Make-up Flow Rate
MEDICA® Pro S/R/RE	>10	<30	<0.05	<1	<0.05 µm	Neutral	4 l/min	30/60/120 liters per hour at 15°C

* Based on regular sanitization and proper maintenance of the system

System Dimensions

MODEL	HxWxD (in)	Weight (lbs)
MEDICA® Pro S/R/RE	32.3x31.1x18.9	MEDICA Pro-S– 260.0 MEDICA Pro-R/RE –265.0

Feed Water Parameters

MODEL	Source	Maximum FI*	Conductivity µS/cm	Max. Free Chlorine (ppm)	Temperature	Pressure
MEDICA® Pro S/R/RE	Potable	10	1400	<0.5	1–35° C	90 max/10 min.

* Fouling Index

MEDICA® Pro 30/60/120 Water Systems (S/R/RE) for Clinical Analyzers

**MEDICA® PRO SYSTEMS
ORDERING INFORMATION**

MODEL	Catalog Number
MEDICA Pro LPS	MPXXXPSM1-115
MEDICA Pro S 30	MP030SBM1-115
MEDICA Pro S 60	MP060SBM1-115
MEDICA Pro S 120	MP120SBM1-115
MEDICA Pro R 30	MP030RBM1-115
MEDICA Pro R 60	MP060RBM1-115
MEDICA Pro R 120	MP120RBM1-115
MEDICA Pro RE 30	MP030REM1-115
MEDICA Pro RE 60	MP060REM1-115
MEDICA Pro RE 120	MP120REM1-115

The MEDICA® Pro line of systems

Model	Medica Pro-S	Medica Pro-R	Medica Pro-RE	Medica Pro LPS
Pretreatment	√	√	√	
Extra Capacity Pretreatment	Optional	Optional	Optional	
Air Gap	√	√	√	√
Degassing	Optional	Optional	√	Optional
Reverse Osmosis	√	√	√	
Integral 50 Liter Reservoir	√	√	√	√
Deionization	√	√	√	√
2nd Deionization Cartridge	Optional	Optional	Optional	Optional
UV Photo-oxidation	√	√	√	√
Ultra-microfiltration	√	√	√	√
Recirculation			√	√

Consumables and Accessories

UV lamp 254nm (destroy bacteria and help to reduce TOC levels)	LC105
Ultra Microfilter 0.05 um	LC109
Medpure L1 DI (Deionization) high capacity cartridge	LC174
Protek L1 (high capacity adsorption pretreatment cartridge - standard size)	LC175
Protek L2 (high capacity adsorption pretreatment cartridge - Large size)	LC177
RO (reverse osmosis) cartridge 30 lph High flux reverse osmosis membrane	LC179
RO cartridge 60 liter per hour High flux 30 liter per hour reverse osmosis membrane	LC180
E-cartridge (Reduce CO_2 levels to extend Medpure DI cartridge)	LC181
Sanitization tablets (12 pk)	CT3
Composite vent filter (maintain bacterial integrity of reservoir)	LC136M2
MEDICA Pro - Starter Kit 1 (install kit, Protek L1, Medpure L1, 3 sanitization tablets)	LC188
MEDICA Pro - Starter Kit 2 (install kit, Protek L2, Medpure L1, 3 sanitization tablets)	LC189
Analyzer Feed pump 115V 60Hz	LA632
High Flow Upgrade Kit for 2nd Medpure DI cartridge (includes fittings and 1 Medpure DI cartridge)	LA700
E-cartridge Upgrade Kit	LA701
Castors (useful for under bench installations also)	LA704 USA

Note: Cartridge starter kit must be ordered with MEDICA Systems.

MEDICA® R-200 Water Purification System for High Volume Clinical Analyzers

Integrated water purification system designed to provide a purified water supply to high volume clinical analyzers and laboratories with multiple analyzers. The MEDICA® R-200 System combines storage, purification and distribution in a single cabinet.

Standard Features and Benefits

- Delivers up to 21 lpm of CLSI type 2 water purity
- Incorporates storage reservoir, UV, 0.2µm filter and RO technologies in one unit
- Leak detection with auto shut-down prevents flooding
- Full validation support documentation available to comply with regulatory standards
- RS232 interface to record system performance for GLP
- Integrated by-pass loop ensures a constant water supply in an emergency

MEDICA® R-200 SYSTEM SPECIFICATIONS

Performance Specifications

MODEL	Resistivity MΩ-cm @ 25˚ C	TOC (ppb)	Silica ppm	Bacteria* CFU/ml	Particulates	pH	Dispense Flows to analyzer	Make-up Flow Rate
MEDICA R-200	>10	<30	<0.05	<10	<0.2 µm	Effectively Neutral	Up to 21 L/min	200 liters per hour

* Subject to correct operating and maintenance procedures

System Dimensions

MODEL	HxWxD (in)	Operational Weight (lbs)
MEDICA R-200	71.7x28.75x35.0	1190.0

Feed Water Parameters

MODEL	Source	Maximum FI*	Conductivity µS/cm (max)	Free Chlorine (ppm)	Temperature	Pressure Maximum (psi)	Pressure Minimum (psi)
MEDICA R-200	Potable	5	1000	<0.2	5–35˚ C	60	30

* Fouling Index

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Water Technologies
24-hr Customer Service: 800.466.7873**

MEDICA® R-200 Water Purification System for High Volume Clinical Analyzers

**MEDICA® R-200 SYSTEM
ORDERING INFORMATION**

MODEL	Catalog Number
MEDICA R-200 (230 volt 50 Hz)	MR200DSM1-230
MEDICA R-200 (115 volt 60 Hz)	MR200DSM1-115

Consumables and Accessories

RO Particle Pretreatment Filter	LC159
UV Lamp	LC158
In-line 0.2 µm Filter	LC160
Composite Vent Filter	LC156
Sanitization Solution (4 x 1000 ml)	B10000209

Portable Laboratory Deionization Systems

The lab wall-mountable deionization systems produce flow rates of 30 to 90 liters per hour of high purity water. These systems are a cost effective alternative for small volumes of deionized water. Built in meter, color change indicators and optional resistivity meters make it easier to monitor your water quality.

B114 Deionizer
- Disposable cartridge system enables a quick and easy exchange when cartridge is exhausted
- Battery operated wall mountable system with color coded resistivity meter displays water quality

Vision 125 & 250 Deionizers
- Color change indicators allow users to monitor when resin exhausts and change out is required
- Optional dispense gun can be connected to either system

Micromeg Deionizer
- Choice of either disposable or exchangeable deionization cartridge
- Battery operated wall mountable system with color coded resistivity meter displays water quality

Accessories
Vision 125 & 250 Dispense Gun   DSP404

B114

Vision 125 and 250

Micromeg

Laboratory Performance Specifications				
Model	Resistivity MΩ-cm	Max Flow lph	Max Operating Pressure psi	Max Operating Temperature °C
B114	1-10	30	10	35
Vision 125	1-10	60	90	35
Vision 250	1-10	60	90	35
Micromeg	1-10	90	50	35

System Dimensions				
Model	Height inches	Width inches	Depth inches	Weight lbs
B114	15	7	6	5
Vision 125	15	4	4	5.5
Vision 250	26	4	4	9
Micromeg	20	8	9	14.3

Siemens
Water Technologies
24-hr Customer Service: 800.466.7873

LDIRS Deionization Recirculating Systems

Siemens Water Technologies LDIRS Series water purification systems deliver up to 4 gpm (15 lpm) of deionized water. The system is available in two models.

LDIRS03
A compact, wall mountable panel capable of supplying up to 3 gpm (11 lpm) deionized water to a small distribution loop up to 100 linear feet in length

LDIRS04
A larger skid mounted system capable of supplying up to 4 gpm (15 lpm) of deionized water to a larger distribution loop up to 500 linear feet in length.

NOTE: Flow rates dependent upon size and length of distribution piping loop.

System Standard Features:
• Dual Filtration: 1.0 micron pre-filtration and 0.2 micron final filtration
• Continuous recirculation through all post treatment components including UV sterilizer and 0.2 micron final filtration
• Bacteria destruct ultraviolet sterilizer (254 nm)
• Built-in GFCI protection

System Benefits:
• Flow rates up to 4gpm
• Easy Installation
• Both wall panel and skid mounted system have small footprint to conserve space (additional space required for SDI components)

System Specifications

Model	Flow Rate (max)	Feed Water Pressure	Feed Water Temp.
LDIRS03	3 gpm (11 gpm)	min. 40 psig (2.7 bar) max. 90 psig (6.2 barA)	min. 50˚F (10˚C) max. 90˚ (32˚C)
LDIRS04	4 gpm (15 gpm)	min. 40 psig (2.7 bar) max. 90 psig (6.2 barA)	min. 50˚F (10˚C) max. 90˚ (32˚C)

System Dimensions

Model	Electrical	Overall Dimensions (cm)	Frame Materials	Piping Materials
LDIRS03	115VAC grounded receptacle	38 (86) L x 9 (23) D X 40 (102) H	White Polyethylene	S-80 PVC and Polyethylene Tube
LDIRS04	115VAC grounded receptacle	30 (76) L x 24 (61) D X 65 (165) H	Powder Coated Carbon Steel	S-80 PVC

Ordering Information:
LDIRS Deionization Recirculation System, 3 gpm per minute max. (11 lpm max.)   **LDIRS03**
LDIRS Deionization Recirculation System, 4 gpm per minute max. (15 lpm max.)   **LDIRS04**

Service Deionization (SDI) Systems

Choose from a Wide Range of Deionizers and Carbons

Cation-bed Deionizers have a high capacity for removing positively charged, dissolved ionic contaminants, such as calcium, sodium, magnesium, potassium, iron and manganese. The durable gel resins provide stability against osmotic, thermal and impact shock.

Anion-bed Deionizers have a high capacity for removing negatively charged dissolved ionic contaminants such as carbonate, bicarbonates, sulfates, chlorides, nitrates and silica. The durable gel resins used are stable against osmotic, thermal and impact shock. A variety of anion resins are available, suitable for virtually any water application.

Mixed-bed Deionizers provide higher quality, and a more neutral pH than separate bed systems, as well as enhanced silica and CO_2 removal. Our units are guaranteed to produce the quality of water required for any removal application, up to 18 megohm-cm resistivity at 25˚ C. In-line quality monitors immediately alert users when resin tanks need to be changed.

Ultra Mixed-bed Deionizers provide superior silica removal and significantly lower TOC levels. Ideal for microelectronics and pharmaceutical applications where stricter controls of critical contaminants are required.

Macroporous Organic Scavenger Resins offer extra-large internal surface areas and can therefore provide higher adsorption of dissolved and undissolved organic contaminants. The strongly basic anion resins will remove not only those organic ions normally removed by standard anion exchange, but those that would normally pass right through most demineralizers.

Colloidal Scavenging Deionizers have a high capacity for removing inorganic and organic anions. The durable, macroporous resins are extremely resistant to organic fouling, and effectively remove colloids.

Activated Carbon Units remove chlorine and some dissolved organic contaminants. Each replacement carbon unit contains virgin carbon to assure maximum water quality and service life of the bed (no regenerated carbon is ever used in our units.)

GMP Tanks for dialysis and validated processes are also available.

58"	50"	48"	39"	34"	23"	20.5"	20"
10"	14"	8"	6"	8"	6"	8"	6"
2.1 ft³	3.6 ft³	1.2 ft³	0.54 ft³	0.79 ft³	0.25 ft³	0.45 ft³	0.25 ft³

Siemens
Water Technologies
24-hr Customer Service: 800.466.7873
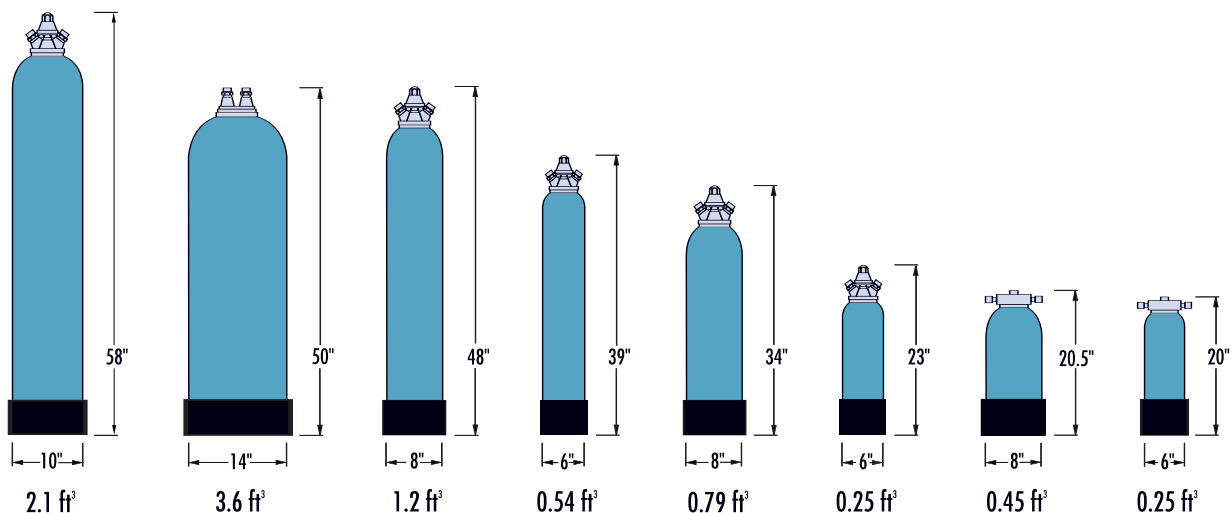
Service Deionization (SDI) Systems

Economical, high purity portable deionization resin tanks are designed to deliver up to 18 Megohm water quality from potable feed water. Custom configured to meet your water purity requirements, flow rate and budget.

STANDARD FEATURES AND BENEFITS

- Achieve up to 18 Megohm purity water from a potable source
- Choice of industrial grade or premium (type I or type II) grade resins
- GMP regenerated ion exchange resin assures absolute ionic purity
- Manufacturing process is batch controlled to ensure consistent quality
- Available in eight tank configurations from 0.25 cubic feet to 2.1 cubic feet
- Designed for high capacity applications requiring up to 150 gpm or higher when used in parallel

SDI SPECIFICATIONS

Tank Size	Resin Volume (Ft^3)	Flow Rate GPM	H x W x D (in)	Tank Inlet/Outlet Connection Size	Weight (Resin & Water in lbs.)
0.25	0.20	3/4	20 x 6	1/4 x 3/8" Q.D.	23
0.25	0.20	3/4	23 x 6	3/4" Q.D.	23
0.45	0.40	1	20.5 x 8	1/4 x 3/8" Q.D.	38
0.54	0.50	2	39 x 6	3/4" Q.D.	47
0.79	0.70	3	34 x 8	3/4" Q.D.	64
1.20	1.00	5	48 x 8	3/4" Q.D.	95
2.16	2.00	8	58 x 10	3/4" Q.D.	165
3.60	3.20	15	50 x 14	1" Male/Union Female	274

Applications

General lab use

Pretreatment to ultrapure water systems

Pharmaceutical applications

Semiconductor applications

Ordering Information

SDI is flexible and can be customized to meet your needs. Contact Technical Support at 800.875.7873 x5000 to discuss your requirements and to arrange for a site visit and water analysis.

FAUCETS-Bench mounted with under counter connections are available as an accessory. See page 36.

Laboratory Disposable Deionization (DI) System

Disposable alternative to SDI tanks. This system is a floor mounted 0.25 cubic foot cartridge housing and cartridge combination. It is designed to provide pretreated water to a wide range of water treatment applications. Similar to SDI tanks these disposable cartridges are available in carbon media, mixed bed, cation, and anion resins.

For use in:
- General laboratory use
- Food or beverage processors
- Electronics and chemical industries
- Hospitals and Universities
- Pretreatment to Ultrapure water systems

Standard Features and Benefits
- Produces up to 18 megohm water from a potable source
- Max flow: up to 2 gpm (8 lpm)
- Easy top-loading cartridge with o-ring seal
- Many choices of resin media options
- Easy cartridge replacement with minimal spillage
- Housing comes tested with 3/4" unions attached
- Multiple housings can be arranged in parallel or series to meet the flow required

Specification: (housing)
Filter housing: 0.25 cubic feet (7 liters) Housing w/ FDA EPDM o-ring.
                       3/4" bottom inlet/outlet

System Performance:
Feed water parameters
Maximum temp: 100°F (38°C)
Pressure range: 100 psig (7 bars)
Height: 27.5" (69.9cm)
Housing weight: 18lbs (8.1kg)

Specification: (Cartridge)
Height: 22 in
Operational weight: 14 lbs

Ordering information:
Item # LAB025DDI
Desc: 1/4 cubic foot Gray PVC housing w/ FDA EPDM O-ring.

Consumables:

Description	Item #
1/4 cu foot mixed bed deionizer cartridge for disposable DI system.	LABDDIMB
1/4 cu foot cation bed deionizer Cartridge for disposable DI system.	LABDDICA
1/4 cu foot anion bed deionizer Cartridge for disposable DI system.	LABDDIAN

*custom media type cartridges available upon request. Minimum orders apply.

Contact technical support at 800-875-7873 x 5000 to discuss your requirements

DV 35

DV 25

Bottom: DV 25 for use with these systems only:	Top: DV 35 for use with these systems only:
PURELAB® Option-R 7/15	All PURELAB® Ultra Models
MEDICA® 7/15	PURELAB® Prima 7/15/20
PURELAB® Option-Q	PURELAB® Option-S 7/15
	PURELAB® Classic

Modular Docking Vessels
DV 25 and DV 35

The new DV 25 and DV 35 docking vessels are state-of-the-art high purity water storage reservoirs specially designed to accommodate the PURELAB® Ultra, Option, Prima and MEDICA® water purification systems. The L-shaped docking vessels are designed as a base for the water purification system, resulting in one integral, compact unit, that eliminates the need for a separate reservoir and saves valuable bench space.

Standard Features and Benefits

• Smooth internal surfaces with no crevices to harbor bacteria

• Inert polyethylene construction minimizes possibility of contamination of stored water

• Sloping, self-draining base provides more complete sanitization and quicker rinse-out time

• Recirculation capability combined with composite vent filter prevents ingress of airborne bacteria and reduces CO_2 levels and volatile organics within the reservoir

• Built-in dispense tap (DV 35 version only)

• Docking station design means no unsightly exposed interconnecting tubing or wiring

• Simple "plug-in" connections allow easy connection to the water purification system for mistake-free operation

• Reservoir water level indicator

• Wall or bench mountable

ORDERING INFORMATION

MODEL	Catalog Number	Composite Vent Filter	Wall Bracket	Installation Kit
DV 25 Modular Reservoirs	LA621	LC136M2	LA591USA	Supplied w/DV 25
DV 35 Modular Reservoirs	LA620	LC136M2	LA591USA	Supplied w/DV 35

TECHNICAL SPECIFICATIONS

Product Codes

MODEL	Volume	Temperature Range	Flow Rate (tap dispense)
DV 25 Modular Reservoirs	25 Liters	5–40˚ C	N/A
DV 35 Modular Reservoirs	35 Liters	5–40˚ C	2.5 liters/min

Dimensions and Weights

MODEL	HxWxD (in)	Weight (lbs) (kg)-empty	Weight (lbs) (kg)-full
DV 25 Modular Reservoirs	20x21x14	13.2 (6)	68.2 (31)
DV 35 Modular Reservoirs	20x21x14	15.4 (7)	94.4 (42)

Connections

MODEL	Inlet	Outlet	Return
DV 25 Modular Reservoirs	5/16" (8 mm)	5/16" (8 mm)	5/16" (8 mm)
DV 35 Modular Reservoirs	5/16" (8 mm)	5/16" (8 mm)	5/16" (8 mm)

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Technical Support 800.875.7873 ext. 5000

Stand Alone
Storage Reservoirs

Easy-to-use reservoir specially designed for the storage of purified water. Fully wall-mountable to save valuable bench space.

Standard Features and Benefits

• Inert polyethylene construction minimizes the risk of organic leachables

• Fully opaque to avoid algal growth

• Integrated 5-level switch control to allow automatic fill-up of reservoir by lab water system

• Sloping base allows complete drainage of water from reservoir

• Composite vent filter eliminates contamination of water from CO_2, volatile organic compounds or airborne bacteria

• Available in 3 convenient sizes — 25 liter, 40 liter and 75 liter

• Designed for use with PURELAB® systems

RESERVOIR SPECIFICATIONS

MODEL	HxWxD (in)	Weight (lbs)	Useable Volume
25 Liter Reservoir	16x14x11	11 lbs Empty/ 66 lbs Full	25 Liters
40 Liter Reservoir	21x16x12	18 lbs Empty/ 106 lbs Full	40 Liters
75 Liter Reservoir	27x20x14	26 lbs Empty/ 192 lbs Full	75 Liters

ORDERING INFORMATION

MODEL	Catalog Number
	For use with MEDICA, Prima and Option
25 Liter Storage Vessel	LA611 (for 7 or 15 lph systems)
40 Liter Storage Vessel	LA612 (for 7 or 15 lph systems)
75 Liter Storage Vessel	LA613 (for 7 or 15 lph systems)
Reservoir 40 Liter	LA587 (for 30,60 or 120 lph systems)
Reservoir 75 Liter	LA590 (for 30,60 or 120 lph systems)
Composite Vent Filter (supplied)	LC136M2
Wall Mounting Bracket (25/40 Liters)	LA591USA
Wall Mounting Bracket (75 Liters)	LA592USA

Polypropylene Carboys

Convenient polypropylene carboys for storage of high purity water. Carboys come with or without spigot for ease of use. Large handles provide easy transportation in the lab.

- Steam auotclavable at 121˚ C
- Large handles help with pouring and carrying
- Front spigot for easy dispensing

Ordering Information	
Part #	Description
CARBOYPP2	Carboy 2.5 gal (10L) PP without spigot, autoclavable
CARBOYPP5	Carboy 5 gal (20L) PP without spigot, autoclavable
CARBOYPP2SP	Carboy 2.5 gal (10L) PP with spigot, autoclavable
CARBOYPP52SP	Carboy 5 gal (20L) PP with spigot, autoclavable

Polypropylene Faucets

Designed for easy dispensing of deionized or distilled water where high purity is required. Reduces the risk of bacteria.

• Laboratory faucets are available in countertop and wall mounted style
• Available with integral vacuum breakers
• Recirculating faucet available
• Made from pure unpigmented polypropylene

Ordering Information	
Part #	Description
LFSPRF1PP	Polypro recirculating faucet, deck mount gooseneck
LFSPF10VB	Polypro deck mount lab faucet with integral vacuum breaker (welded assembly)
LFSPF30VB	Polypro deck mount lab faucet with integral vacuum breaker (threaded assembly)
LFSPF20VB	Polypro wall mount lab faucet with integral vacuum breaker (welded assembly)
LFSPF40VB	Polypro wall mount lab faucet with integral vacuum breaker (threaded assembly)
LFSPF10STD	Polypro faucet, gooseneck deck mount (welded assembly)
LFSPF20STD	Polypro faucet, gooseneck wall mount (welded assembly)
LFSPF30STD	Polypro faucet, gooseneck deck mount (threaded assembly)
LFSPF40STD	Polypro faucet, gooseneck wall mount (threaded assembly)

TOTAL-CHECK™ 900
TOC (Total Organic Carbon) Monitor

The Total-Check™ 900 TOC monitor provides a total picture of water quality. This stand alone unit can be used with any lab water purification system to continually measure the levels of organic substances in high purity water at the systems' dispense. Total-Check™ 900 offers quick, accurate, easy to read measurements of water quality being produced.

- 1-999 ppb TOC levels
- Calibration services available
- Easy to read, single LCD screen
- Dual wavelength 185/254nm UV lamp

PERFORMANCE
Operating Range:	1-999 ppb TOC
Display Resolution:	single ppb increments
Repeatability:	+/-5%
Accuracy:	+/-15% or +/- 1 ppb (whichever is greater)

WATER SAMPLE:
Inlet Pressure:	70 psi MAX (4.8 bar)
Temperature:	5 to 35°C (41-95°F)
Resistivity:	15MΩ-cm@25°C *

* May also be use with sample resistivity between 5 and 15MΩ-cm@25°C, repeatability and accuracy levels will be lower.

SPECIFICATIONS:
Operating Temperature:	15 to 30°C
Operating Weight:	4.2lbs (1.9kg)
Height:	9.3 inches (237 mm)
Width:	6.1 inches (155 mm)
Depth:	5.9 inches (150 mm)
Electrical:	100-230V /50-60Hz

ORDERING INFORMATION:
US Model	TM900M001
UE Model	TM900ME01

CONSUMABLES / ACCESSORIES:
Replacement UV Lamp:	TM900M001
Inlet / Outlet tubing:	TMFTPF04949
Tube Tubing 25':	TMFTPF04945
Luer Fittings (5 pk):	TMFTPF04950

Remote Control Stations

Remote user interface for the PURELAB® Prima, PURELAB® Option and MEDICA® water purification systems. Easy to use, mountable unit fully replicates the GRID (graphically intuitive display) panel providing constant water system monitoring capabilities from a remote location.

STANDARD FEATURES AND BENEFITS

- Replicates GRID display monitor on water purification system
- Easy to read display with icons and graphical representation of the process flow
- Audio visual alarms to alert user when consumables need replacing or when reservoir water level is low
- Provides parallel display capabilities to simultaneously display system parameters from 2 different locations
- RS232 port for connection to a printer for easy data collection of water quality and system performance for compliance with GLP guidelines
- Compact size fits in any location
- Wall, bench, panel, or furniture mountable offers flexibility and convenience

REMOTE CONTROL STATION SPECIFICATIONS

Weight (lbs)	H x W x D	Temperature	Maximum Distance from Water System (Ft)
2.2	4.75 x 7.90 x 2.75	5˚ C−40˚ C	24.6

Ordering Information

MODEL	Catalog Number
PURELAB Prima 7/15/20 RES	LA628
PURELAB Option-S 7/15 RES	LA624
PURELAB Option-R 7/15 RES	LA625
MEDICA 7/15 RES	LA627

Remote Dispense Gun

Premium dispense gun allows dispensing of purified water from a remote location. Ergonomic design and push and lock dispense mechanism provides comfort and drop-by-drop control of purified water while filling laboratory containers.

STANDARD FEATURES AND BENEFITS

- Ability to dispense up to 6 1/2 feet from the water purification system at a flow rate up to 1.5 lpm
- Can be operated with optional point of use filter
- Integral recirculation capability up to point of dispense when used with a water system with recirculation pump
- Drop-by-drop dispense control for greater dispensing accuracy
- Push back and lock dispense mechanism allows hands-free operation
- Wall mountable

REMOTE DISPENSE GUN SPECIFICATIONS

Tube Length	Flow Rate (Depending on water system used)
Approx 6'.5"	0.8 – 1.5 lpm

Ordering Information

MODEL	Catalog Number	
Remote Dispense Gun	LA629	For use with PURELAB® Option R 7/15
Remote Dispense Gun	LA644	For use with PURELAB® Ultra and PURELAB® Classic

Point-of-Use High Purity Water Capsule Filters

Designed to provide absolute filtration at point of dispense on laboratory ultrapure water systems or after standard service deionization systems. Disposable design makes filtration easy and convenient.

Standard Features and Benefits

• Available in 0.1 μm or 0.2 μm pore size ratings

• Two convenient sizes — 500 cm^2 and 1000 cm^2 effective filtration area

• Hydrophilic polyethersulfone bacterial retentive membrane–based on Pseudamonas diminuta challenge (HIMA)

• Integrity tested and validated, making them ideal for pharmaceutical and microelectronics applications

• Low extractable welded housing and materials—no adhesives or glues

• Non-pyrogenic per USP and LAL testing

CARTRIDGE SPECIFICATIONS

Dimensions	500	1000
Filtration Area	500 cm^2	1000 cm^2
Diameter (OD)	2.7" (6.8 cm)	2.7" (6.8 cm)
Length/in (cm)	4.8" (12.2)	6.7" (16.9)
Materials		
Cartridge	Polypropylene caps, core and cage	Polypropylene caps, core and cage
Media	Pleated polyethersulfone	Pleated polyethersulfone
Operating Parameters		
Maximum Temperature	140° F (60° C) @ 30 psid (2.1 bar)	140° F (60° C) @ 30 psid (2.1 bar)
Max. Oper. Pressure	60 psid (4.1 bar) @ 20˚ C	60 psid (4.1 bar) @ 20˚ C
Max. Momentary Pressure	100 psid (7.0 bar) @ 20˚ C	100 psid (7.0 bar) @ 20˚ C
Filtration Rating	100% Absolute	100% Absolute
Toxicity	Non-toxic by USP Class VI Biological test for plastics	Non-toxic by USP Class VI Biological test for plastics
Validation	HIMA Bacterial challenge test methods (107 organisms/cm^2)	HIMA Bacterial challenge test methods (107 organisms/cm^2)
Recommended Water Flow Rates – gpm (lpm)		
0.1 μm	0.04 (0.16)/1 psid	0.1 (0.38)/1 psid
0.2 μm	0.1 (0.38)/1 psid	0.3 (0.38)/1 psid
Integrity Test - Pore Size (Minimum Water Bubble Point)		
0.1 μm	≥ 90 psig (≥ 6.2 bar)	≥ 90 psig (≥ 6.2 bar)
0.2 μm	≥ 45 psig (≥ 3.1 bar)	≥ 45 psig (≥ 3.1 bar)
Sanitizing Agents	Hydrogen peroxide or autoclaved for 20 minutes at 121˚ C	Hydrogen peroxide or autoclaved for 20 minutes at 121˚ C

Capsule Filters

0.2 μm 1/4" NPTM x 1/4" Hose Barb	CW3750
Half size 0.1 μm 1/4" NPTM x 1/4" Hose Barb	FCCFH11S1
Half size 0.2 μm 1/4" NPTM x 1/4" Hose Barb	FCCFH11S2
Half size 0.1 μm 1/4" NPTM x 1/4" NPTM	FCCFH12S1
Half size 0.2 μm 1/4" NPTM x 1/4" NPTM	FCCFH12S2
Half size 0.1 μm 1/4" NPTM x 1/4" Hose Barb w/filling bell	FCCFH14S1
Half size 0.2 μm 1/4" NPTM x 1/4" Hose Barb w/filling bell	FCCFH14S2
Full size 0.1 μm 1/4" NPTM x 1/4" Hose Barb	FCCFP11S1
Full size 0.2 μm 1/4" NPTM x 1/4" Hose Barb	FCCFP11S2
Full size 0.1 μm 1/4" NPTM x 1/4" NPTM	FCCFP12S1
Full size 0.2 μm 1/4" NPTM x 1/4" NPTM	FCCFP12S2
Full size 0.1 μm 1/2" NPTM x 1/2" NPTM	FCCFP23S1
Full size 0.2 μm 1/2" NPTM x 1/2" NPTM	FCCFP23S2

IWT® Cartridge Filtration System

Convenient, economical, high quality modular water filtration system that operates on city water pressure and can easily be expanded to fit most needs. No electricity required. Up to 18 Megohm water quality can be achieved with this system.

Standard Features and Benefits

• Consistent source of high quality water at 50% the cost of distilled water
• Removes organics, phosphates, chlorine, and essentially all ionizable constituents from water supply
• Convenient color change resin to indicate resin exhaustion
• Quick and easy installation
• No instruments needed
• Water quality up to 18 megohm-cm resistivity can be achieved
• Flexible system configuration to meet specific needs

SPECIFICATIONS

Cartridge	Flow Rate GPH	Capacity (grains as $CaCO_3$)	Dimensions	Shipping Weight	Maximum Operating Pressure (psi)
Adsorber	7.2	NA	3 1/2"x19 3/4"	6 lbs single/36 lbs six pack	30
Metex	7.2	3200	3 1/2"x19 3/4"	6 lbs single/36 lbs six pack	30
Universal	7.2	1600	3 1/2"x19 3/4"	6 lbs single/36 lbs six pack	30
Research	7.2	1000	3 1/2"x19 3/4"	6 lbs single/36 lbs six pack	30

Cartridge	Removal
Adsorber	For pretreatment of water containing organics, free chlorine, phosphate complexes, and turbidity.
Metex	For removal of all metallic ions to a level of 1% of the influent concentration. Removes ammonia and other cations from condensate samples.
Universal	Reduces ion concentration to a level obtainable by single distillation. All ionizable constituents are removed except free carbon dioxide and silica.
Research	Reduces ion concentration to a level obtainable by triple distillation. Essentially all ionizable constituents including silica and free carbon dioxide are removed.

Applications

Environmental and humidity chambers

Recharging lead and acid batteries for cars, fork lifts, etc

Electronic cleaning equipment (with 99% isopropyl alcohol bath to wash solder trails and flux off circuit boards)

Steaming devices used in food industry

Photo processing and printing applications

Humidifiers (including computer room humidifiers)

Ice Machines

Hydroponics

ORDERING INFORMATION

Absorber Cartridge single pack	3C0200002
Absorber Cartridge six pack	3C0200003
Metex Cartridge single pack	3C0400002
Metex Cartridge six pack	3C0400003
Universal Cartridge single pack	3C0600002
Universal Cartridge six pack	3C0600003
Research Cartridge single pack	3C0800002
Research Cartridge six pack	3C0800003
Single assembly bracket single pack	3C1200003
Single assembly bracket six pack	3C1200004
Single assembly bracket with faucet adapter single pack	3C1200007
Single assembly bracket with faucet adapter six pack	3C1200008
Duplex assembly Bracket single pack	3C1200011
Duplex assembly Bracket six pack	3C1200012
Duplex assembly Bracket with faucet adapter single pack	3C1200015
Duplex assembly Bracket with faucet adapter six pack	3C1200016

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Water Technologies
Technical Support 800.875.7873 ext. 5000

Replacement Cartridges for Laboratory Water Purification Systems

Cartridges provide ultra-high-purity water for use with MODULAB®, PURELAB®, Millipore® and Barnstead® water systems. The wide selection of cartridge styles and types allows custom-configuration of your laboratory water system to meet a variety of application needs.

Standard Features and Benefits

• Higher ion exchange capacity than other manufacturers' cartridges

• Lower cartridge replacement costs

• Unique diffuser design for even distribution of water and maximum cartridge life

• Vacuum packaging for maximum shelf life

• Ultrasonic-welded seams and joints for extractable-free product water

• Date coded for critical quality control

• GMP cartridge manufacturing facility

• Patented downflow design maximizes removal efficiency and cartridge capacity

We offer the following types of resin:

Activated Carbon Used for pretreating tap water before deionization. Removes traces of chlorine and organics through adsorption.

Colloidal Removal Resin Removes colloids and bacteria by ion exchange and adsorption. Protects and enhances performance of deionization resin, and extends final filter life.

Cation Exchange Resin Removes positively charged impurities. When used alone, this resin will lower solution's pH. Usually used in conjunction with anion resin in a mixed bed ion exchange cartridge.

Anion Exchange Resin Removes negatively charged impurities. When used alone, this resin will raise a solution's pH.

Oxygen Removal Resin Removes oxygen and prevents corrosion in water cooling loop applications. For use on feed water containing less than 10 ppm ionized solids.

Mixed Bed Ion Exchange Contains a mixture of cation and anion resins in a mixed bed to purify water up to 18.2 megohm-cm. Used to polish pretreated water, or to produce high-purity water in a loop system.

Organic Scavenger/Removal Resin Removes trace organics from deionized water to less than 10 ppb TOC.

High Capacity Ion Exchange Combines anion and cation resin in a 2-bed configuration. Used for purifying large quantities of water at a lower purity level than provided by mixed bed deionization. May also be used to pretreat mixed-bed cartridges for longer cartridge life.

Custom Cartridges
Specialty resin cartridge configurations are available to meet your needs. Call our technical service department for more information. Minimum order volumes apply.

Replacement Cartridges for Siemens Water Technologies, USFilter® and ELGA® Laboratory Water Systems

PURELAB® Ultra Water System Cartridges

Ultra-microfilter	LC109
Point-of-Use Filter	LC134
Purification Pack-RO Feed (for MK1 Ultras)	LC147
Purification Pack-SDI Feed (for MK1 Ultras)	LC148
Purification Pack-Low Ionic (for MK1 Ultras)	LC149
Purification Pack-Low TOC (for MK1 Ultras)	LC150
Ultrafilter (5,000 MWCO)	LC151
Labpure S1 DI cartridge - RO feed	LC182
Labpure S2 DI cartridge - SDI feed	LC183
Labpure S3 DI cartridge - Low Ionic	LC184
Labpure S4 DI cartridge - Low TOC	LC185

PURELAB® Classic Water System Cartridges

Purification Cartridge (For MK1 Classic)	LC162
Ultra Filter 5000 mwt	LC169
Purification Cartridge (For MK1 Classic)	LC126
Endoguard 5000 MWCO UF Cartridge (For MK1 Classic)	LC151
Final Filter 0.2 µm (1/pk)	LC134
Labpure S5 purification cartridge	LC186

PURELAB® UHQ Water System Cartridges

Reverse Osmosis Cartridge	UHQ5
Ultra Microfilter Cartridge 0.05 µm	LC109
UHQ Purification Pack (2 Organic Absorption Cartridges and 2 Ion Exchange Cartridges)	UHQPACKA
Composite Vent Filter	UHQ4

PURELAB® Option Water System Cartridges

Pretreatment Cartridge (Option 7 & 15)	LC140
Pretreatment 5 micron Carbon Filter (Option 30 & 60)	LC123
Purification Cartridge (Option R&S 7 & 15)	LC141
Purification Cartridge (Option-Q 7 & 15)	LC163
Purification Cartridge (Option 30 & 100)	LC114
RO Module (7.5 liter/hour) — (Option 7 & 15)	LC143
RO Module (30 liter/hour) — (Option 30)	LC115
RO Module (60 liter/hour) — (Option 60)	LC119
Point-of-Use Filter (Option 7 & 15-R)	LC145
Point-of-Use Filter (Option 30 & 60-R)	LC106

PURELAB® Prima Water System Cartridges

Pretreatment Cartridge (PURELAB Prima 7/15/20)	LC140
Pretreatment 5 Micron Carbon Filter (Prima 30/60/90/120)	LC123
RO Module (7.5 liter/hour) — (Prima 7/15/20)	LC143
RO Module (30 liter/hour) — (Prima 30)	LC115
RO Module (60 liter/hour) — (Prima 60, 120)	LC119
RO Module (Prima 90)	LC120

Replacement Cartridges for Siemens Water Technologies, USFilter® and ELGA® Laboratory Water Systems

PURELAB® Plus Water System Cartridges

PURELAB Purification Quadpack w/0.2 µm Final Filter	PLC6000
PURELAB Purification Quadpack	PLC5000
Endoguard 5000 MWCO UF Membrane Cartridge	LC151
Final Filter 0.2 µm (1/pk)	LC134

MEDICA® Water System Cartridges

Pretreatment Cartridge (Medica 7/15)	LC140
5 µm Carbon Filter (Medica 30/100)	LC123
Purification Cartridge (Medica 7/15)	LC141
Purification Cartridge (Medica 30/100)	LC114
RO Module (Medica 7/15)	LC143
RO Module (30 lph)	LC115
RO Module (60 lph)	LC119
RO Module (100 lph)	LC137
In-Line 0.2 µm Filter (Medica 7/15)	LC125
In-Line 0.05 µm UMF Filter (Medica 30/100)	LC109

MEDICA® Pro Water System Cartridges

0.05µm ultra microfilter	LC2109
Medpure L1 DI (Deionization) high capacity cartridge	LC174
Protek L1 (high capacity adsorption pretreatment cartridge - standard size)	LC175
Protek L2 (high capacity adsorption pretreatment cartridge - Large size)	LC177
RO (reverse osmosis) cartridge 30 lph High flux reverse osmosis membrane	LC179
RO cartridge 60 lph High flux reverse osmosis membrane	LC180
E-cartridge (Reduce CO_2 levels to extend Medpure DI cartridge)	LC181
Castors (for easy mobility)	LA704USA

MEDICA® R-200 Water System Cartridges

RO Pretreatment Filter	LC159
In-line 0.2µm Filter	LC160
Composite Vent Filter	LC156
Bacterial Vent Filter	LC157

CENTRA® Water System Cartridges

Bacterial Filter	LC157
Composite Vent Filter	LC156
0.2µm Filter	LC160
RO Module	LC161
Pretreatment Filter	LC159

MODULAB® High Flow System Cartridges

Carbon Cartridge	MLHF20CAR1
Organic Removal Cartridge	MLHF20OS01
0.05µm Micro Ultra Filter	MLUF020S05
0.2µm Bacteria Filter	MLUF020S2

Siemens
Water Technologies
24-hr Customer Service: 800.466.7873

Replacement Cartridges for Siemens Water Technologies, USFilter® and ELGA® Laboratory Water Systems

MODULAB® Water System Membrane Cartridges

10" RO Membrane (TFC)	DIRO3002
20" RO Membrane (TFC)	DIRO3222
10" UF Membrane (10,000 MWCO)	UFPW3308T
10" UF Membrane (40,000 MWCO)	DIUF8102
20" UF Membrane (40,000 MWCO)	DIUF8202

MODULAB® Water System Resin Cartridges

10" Mixed Bed Cartridge (1/pk)	DIMN1000-1
20" Mixed Bed Cartridge (1/pk)	DIMN2000-1
10" Organic Cartridge (1/pk)	DIOR1000-1
20" Organic Cartridge (1/pk)	DIOR2000-1
10" Pureone Cartridge (1/pk)	DIMBS1000
10" Separate Bed DI (1/pk)	DISB1000-1
20" Separate Bed DI (1/pk)	DISB2000-1
12" Mixed Bed Cartridges (1/pk)	DIMM1200-1
12" Mixed Bed Cartridges (2/pk)	DIMM1200-2

MODULAB® Carbon Cartridges

10" Carbon Cartridge (1/pk)	DICR1000-1
10" Carbon Cartridge (4/pk)	DICR1000-4
20" Carbon Cartridge (1/pk)	DICR2000-1
10" Pretreatment Carbon Cartridge/5 µm Prefilter	LBCPT1002
20" Pretreatment Carbon Cartridge/5 µm Prefilter	LBCPT2004

MODULAB® Water System Cartridge Kits

Modulab Cartridge Kit for RO Feed – Contains 1 EA CWCF23110,2 EA DIMN1000-1, 1 EA DIOR1000-1, 1 EA CW3750 Final Filter	LBMPC1006
Modulab Cartridge Kit for DI Feed – Contains 1 EA DICR1000-1, 2 EA DIMN1000-1, 1 EA DIOR1000-1, 1EA CW3750 Final Filter	LBMPC1005
Modulab UV/UF Start Up Kit 20" – Contains (1) 20" UF Membrane (40,000 MWCO), (1) 0.1 µm Capsule Filter	UFSU8202
Modulab Clinical Cartridge Kit	LBCCK1002

Miscellaneous Laboratory Cartridges

Mixed Bed 10" cartridge PVC P-154	DIMNP154
Mixed Bed 10" cartridge	DIMN4000
Mixed Bed 10" cartridge with porex disc, 4 pack	DIMN1000-4PD
Mixed Bed 5" cartridge with porex disc	DIMN0500-PD
Anion Cartridge 10"	DIOH4000
Anion/Cation separate Bed 5" cartridge	DISB0500
Anion/carbon separate Bed 10" cartridge	DIOH4010

LiquiPure® Replacement Cartridges for Millipore® Laboratory Water Systems

LiquiPure® 1 Replacement Cartridges for Milli-Q® and Alpha-Q™ Laboratory Water Systems

The LiquiPure1 replacement cartridges for Milli-Q and Alpha-Q laboratory water systems provide ultra-high-purity water with very low TOC and extractable levels. The cartridge contains a variety of purification media to remove specific types of feed water contaminants. All wetted parts are constructed of all-natural polypropylene to minimize extractables, while a unique downflow design ensures optimum removal of organic and inorganic impurities. A pigmented polypropylene exterior prevents light from penetrating to minimize microbial growth. Cartridge contains macroreticular activated carbon, ultra-high-purity mixed bed ion exchange resin, and an organic scavenger.

ORDERING INFORMATION	Siemens Catalog Number	Millipore Equiv. Part Number
LiquiPure 1 Cartridge	LP1000	CPMQ004R1 CPMQ004D2
LiquiPure 1 Cartridge w/0.2 µm Final Filter	LP2000	CPMQK05R1 CPMQK05D2 CPMQK05RE
Final Filter 0.2 µm (1/pk)	LC134	MPGL04SK2

LiquiPure® CLC Replacement Cartridges for Millipore® Analyzer Feed Systems

The LiquiPure CLC replacement cartridges for Millipore AFS Analyzer Feed systems provide high-purity water to feed laboratory clinical chemistry analyzers. The cartridge contains ultra-high-purity mixed bed ion exchange resin to produce NCCLS Type 1 quality water. All wetted parts are constructed of all natural polypropylene to minimize extractables, while the unique design ensures optimum removal of inorganic impurities. A pigmented polypropylene exterior prevents light from penetrating to minimize microbial growth. Cartridge contains ultra-high-purity mixed bed ion exchange resin.

ORDERING INFORMATION	Siemens Catalog Number	Millipore Equiv. Part Number
LiquiPure CLC Cartridge	LP3000	CP4ALLRES
LiquiPure CLC Cartridge	LP3000R	CP4ALLRES
LiquiPure CLC Cartridge	LP3000R & LP4000 FCCFH11S2	CPKITAFS2
LiquiPure CLC Cartridge	LP3000R FCCFH11S2	CPAFS04R1

LiquiPure® RO Replacement Cartridges for Millipore Milli-RO® and AFS® Systems

These duplex RO pretreatment cartridges for Millipore Milli-RO and AFS Analyzer Feed systems includes granular activated carbon for chlorine removal, depth filtration for particulate removal and a food grade sequestering agent to protect the RO membrane from fouling and scale formation. Designed in a duplex configuration, the cartridge can be rotated and reconnected when one-half has been exhausted. All wetted parts are constructed of all natural polypropylene to minimize extractables, while the pigmented polypropylene exterior prevents light from penetrating to minimize microbial growth. Cartridge contains granular activated carbon, an anti-scaling agent and a prefilter.

ORDERING INFORMATION	Siemens Catalog Number	Millipore Equiv. Part Number
LiquiPure RO Cartridge	LP4000	CPR0P0402
LiquiPure RO Cartridge	LP4000R	CPR0P0402

Replacement Cartridges for Millipore® Laboratory Water Systems

ORDERING INFORMATION

Replacement Cartridges for Milli-Q® and Other Millipore Systems	Where Used	Millipore Equiv. Part Number	Siemens Catalog Number
High Capacity Carbon (4/pk)	3, 4, 5 Bowl Milli-Q or Milli-Q Plus Systems	CDFC01204	DICM1000-4
Mixed Bed (2/pk), Exchange Capacity, 540 Grains as CaCO$_3$	3, 4, 5 Bowl Milli-Q or Milli-Q Plus Systems	CPMB01202	DIMM1200-2
Organic Scavenger (1/pk)	4 & 5 Bowl Milli-Q or Milli-Q Plus Systems	CDEX01201	DIOM1200-1
UF Membranes, 10k MW (1/pk)	4 & 5 Bowl Milli-Q or Milli-Q Plus Systems	CDUF01201	CDUF01201
Prefilter 12" 5 µm	Milli-RO® Systems	CDPRM1206	FCR001205
1 ea. DICM 1000-1 Carbon, 2 ea. DIMM 1200-2 Ion Exchange CWCFF 1492 Capsule Final Filter (1ea.)	4-Bowl Life Science or 3-Bowl Standard	CFUF01204	LBCCM1202
1 ea. DICM 1000-1 Carbon, 2 ea. DIMM 1200-2 Ion Exchange, 1 ea. DIOM 1200-1 Organic Scavenger, 1 ea. CWCFF1492	4-Bowl Analytical System	CFOF01205	LBRCM1002
1 ea. DICM 1000-1 Carbon, 2 ea. DIMM 1200-2, 1 ea. CWCFF1492, 1 ea. 10" Polysulfone 0.2 µm Cartridge	5-Bowl Milli-Q	CFIF01205	LBCCM1202 ⎤ FCWN010S2 ⎦
1 ea. FCWN12152, DICM 1000-1, DIMM 1200-1, DIOM 1200-1, CWCFF1492	5-Bowl Milli-Q	CFOF012P5	FCWN010S2 ⎤ DICM1000-1 DIMM1200-1 DIOM1200-1 CWCFF1492 ⎦

Replacement Cartridges for Milli-Q® Ultrapure Water Systems	Where Used	Millipore Equiv. Part Number	Siemens Catalog Number
Organex Cartridge	Milli-Q Academic, Biocel, Synthesis, Element, Gradient	QTUM00EX	DIMOS1201
Ionic Cartridge	Milli-Q Academic, Biocel, Synthesis, Element, Gradient	QTUM00IX	DIMEX1201
Purification Pack (Elix, RO & Distillation Feed)	Milli-Q Academic, Biocel, Synthesis, Element, Gradient	QGARD00R1	PPMRO1201
Purification Pack (DI Feed)	Milli-Q Academic, Biocel, Synthesis, Element, Gradient	QGARD00D2	PPMDI1201
Pyroguard 5000 MW Hollow Fiber UF Cartridge	Milli-Q Biocll, Synthesis	CDUFHF05K	CQUF500
VOC Cartridge	Milli-Q Academic, Biocel, Synthesis Element Gradient	QTUM000VX	DICMVOL01
Pretreatment Filter	Milli-Q Elix 3,5,10	PROG00002	PRCM1201
Pretreatment Filter	Milli-Q Elix 3,5,10	PROG00001	PRCMS001

Replacement Cartridge Kits for Millipore Super-Q® Systems	Where Used	Millipore Equiv. Part Number	Siemens Catalog Number
Activated Carbon (1/pk)	4-Bowl Super-Q (Housing #1)	CDFC02203	DICM2200-1
Ion Exchange (>2000 Grain Capacity) (1/pk)	4-Bowl Super-Q (Housing #2 & #3)	CPMB02202	DIMM2200-1
Organic Scavenger (1/pk)	4-Bowl Super-Q (Housing #4)	CDEX02201	DIOM2200-1
UF Cartridges	4-Bowl Super-Q (Housing #4 optional)	CDUFM2201	CDUF02201
0.22 µm Filter 20" (1/pk)	4-Bowl Super-Q (Housing #4 optional)	CVDI02TPE	FCDIO20S2

Replacement RO Membranes for Millipore Milli-RO® Plus and AFS® Systems	Where Used	Millipore Equiv. Part Number	Siemens Catalog Number
TFC RO Membrane	Milli-RO 4 & 15	CDRC012S0	ROGTM3512
TFC RO Membrane (w/out housing)	Milli-RO 6-10 and AFS Systems	CDRC012HG	LABROKIT
TFC RO Membrane (w/out housing)	Milli-RO 30/60/90	CDRCH12HG	LABROKIT
CA Membrane	Milli-RO 4 & 15	CDRO012S0 SL2M129V8	ROETM3512
TFC RO Membrane	Milli-RO 60/120	60 - CDRC025S1 120 ⎡ CDRC025S1 ⎣ CDRC025SH	60 - CDRC025S1 120 ⎡ CDRC025S1 ⎣ CDRC025SH

Replacement Cartridge kits for Barnstead® Laboratory Water Systems

ORDERING INFORMATION

Replacement Cartridge Kits for NANOpure™ and Other Barnstead Systems

Description	Where Used	Barnstead Equiv. Part Number	Siemens Catalog Number
1 ea. CW0835 Colloid Removal Resin, 1 ea. CW0803 High Capacity 2-Bed Resin, 2 ea. CW0809 Mixed Bed	NANOpure 4 Module Type I	D3804	CW3804
1 ea. CW0835 Colloid Removal Resin, 2 ea. CW0809 Mixed Bed	NANOpure 3 Module Type I	D3805	CW3805
1 ea. CW0836 Organic Removal, 1 ea. CW0820 Organic Scavenger, 1 ea. CW0809 Mixed Bed	NANOpure 3 Module Type I w/ORGANICfree™	D3806	CW3806
1 ea. CW0836 Organic Removal, 1 ea.CW0803 High Capacity 2-Bed Resin, 1 ea. CW0809 Mixed Bed, 1 ea. CW0820 Organic Scavenger,	NANOpure 4 Module Type I w/ORGANICfree	D3807	CW3807
1 ea. CW0835 Colloid Removal Resin, 1 ea. CW0803 High Capacity 2-Bed Resin, 2 ea. CW5027 Mixed Bed	Quad Style NANOpure Type I	D4801	CW4801
1 ea. CW0836 Organic Removal, 1 ea. CW0803 High Capacity 2-Bed Resin, 1 ea. CW5027 Mixed Bed, 1 ea. CW5021 Organic Scavenger, Down Flow	Quad Style NANOpure Type I w/ORGANICfree	D4802	CW4802
1 ea. CW0835 Colloid Removal Resin, 1 ea. CW0809 Mixed Bed, 2 ea. CW5027 Mixed Bed, 2 ea. CW3751 Final Filter	Quad Style NANOpure Type I w/ORGANICfree Pretreated Feed	D5025	CW5025
1 ea. CW0836 Colloid Removal, 1 ea. CW0809 Mixed Bed, 1 ea. CW5021 Organic Scavenger, Down Flow, 1 ea. CW5027 Mixed Bed, 2 ea. CW3751 Final Filter	Quad Style NANOpure Type I w/ORGANICfree Pretreated Feed	D5026	CW5026
1 ea. CW0835 Colloid Removal Resin, 1 ea. CW0803 High Capacity 2-Bed Resin, 2 ea. CW5027 Mixed Bed	E-pure™ 4 Module Type I	D5028	CW5028
1 ea. CW0835 Colloid Removal Resin, 2 ea. CW5027 Mixed Bed	E-pure 3 Module Type I	D5029	CW5029
1 ea. CW0836 Organic Removal, 1 ea. CW5027 Mixed Bed, 1 ea. CW5021 Organic Scavenger, Down Flow	E-pure 3 Module Type I w/ORGANICfree	D5022	CW5022
1 ea. CW0836 Organic Removal, 1 ea. CW0803 High Capacity 2-Bed Resin, 1 ea. CW5027 Mixed Bed, 1 ea. CW5021 Organic Scavenger, Down Flow	E-pure 4 Module Type I w/ORGANICfree	D5023	CW5023

Siemens
Water Technologies
24-hr Customer Service: 800.466.7873

Replacement Cartridges for Barnstead® Laboratory Water Systems

ORDERING INFORMATION

Replacement Cartridge Kits for NANOpure™ and Other Barnstead Systems

Description	Where Used	Barnstead Equiv. Part Number	Siemens Catalog Number
High Capacity, 2-Bed Ion Exchange	NANOpure, E-pure™, B-pure™, Cooling Loops	D0803	CW0803
Mixed Bed Ion Exchange	NANOpure, B-pure, Older NANOpure Cooling Loops	D0809	CW0809*
Oxygen Removal Resin	B-pure, Cooling Loops	D0811	CW0811
Activated Carbon	B-pure, Cooling Loops	D0813	CW0813
Cation Removal Resin	B-pure, Cooling Loops	D0815	CW0815
Organic Scavenger Resin	NANOpure II, Older NANOpure Systems	D0820	CW0820
Organic Scavenger, Down Flow	Quad Style NANOpure, E-pure	D5021	CW5021
Mixed Bed, Organic Removal	B-pure, Still Pretreatment	D0832	CW0832
Colloid, Organic Removal	NANOpure, B-pure, E-pure	D0835	CW0835
Organic Removal	NANOpure, E-pure, Pretreatment for Organic Removal	D0836	CW0836
Oxygen Removal	B-pure, Cooling Loops	D8809	CW8809
Mixed Bed, Oxygen Removal, Organic Removal	B-pure, Cooling Loops	D8811	CW8811
Anion Removal	B-pure, Cooling Loops	D0760	CW0760
Mixed Bed, Down Flow	Quad Style NANOpure, E-pure	D5027	CW5027
Organic Free Cartridge	NANOpure Infinity®	D50252	CB50252
Organic Cartridge Kit DI Feed	NANOpure Infinity	D50254	CB50254
Pretreat Cartridge for Tap & DI Feed	NANOpure Infinity	D50251	CB50251
Ultrapure Cartridge	NANOpure Infinity	D50253	CB50253
Cartridge Kit for RO or Dist. Feed	NANOpure Infinity	D50257	CB50257
Pretreatment DI Feed	EASYpure®	D50230	CB50230
Ultrapure Cartridge	EASYpure	D50233	CB50233
0.2µm Filter	EASYpure	FL703X2	CB7033X2
Organic Free Cartridge	EASYpure	D50229	CB50229
Pretreatment Cartridge for Dist. or RO Feed	EASYpure	D50231	CB50231
Ultralow Organics Cartridge for RO or Dist. Feed	Diamond™	D50280	CB50280
Cartridge Pack Organic Free for DI Feed	Diamond	D50281	CB50281
Sanitization Cartridge	NANOpure®, G-pure, NANOpure Infinity®	D50223	CB50223
Sanitization Cartridge	NANOpure®, G-pure, NANOpure Infinity®	D50258	CB50258
5µm Cartridge	Diamond RO, Diamond TII	D502113	CB502113
Sanitization Cartridge	EASYpure	D50245	CB50245
Cartridge for RO Feed	Diamond	D50282	CB50282
Cartridge Kit for DI Feed	Diamond	D50283	CB50283

* CW0809 — not for use with Bantam deionizers

Reverse Osmosis Membrane	ULTROpure™ and ROpure™ LP	D2732	CB2732
DI Cartridge	EASYpure® II and RF/UV	D3750	CW3750
Remote Dispenser Cross Flow Final Filter Quad Style	Final Filters	D3751	CW3751
Replacement Ultrafilter Element for D4721	Final Filters	D4722	CB4722
Ultrapure Ion Exchange	NANOpure® Quad., E-pure	D5021	CB5021
RO MPS Cartridge	NANOpure® Diamond™ RO	D502114	CB502114
Carbon Filter	NANOpure® Diamond™ RO	D502115	CB502115
Deionization	EASYpure® Systems	D50229	CB50229
Deionization	EASYpure® II LF and UV	D50245	CB50245
Prefilter, 5µm	ROpure™ Infinity	D9004	CB9004
Pretreatment Carbon Cartridge	ROpure™ Infinity	D9005	CB9005
Membrane 15L/hr	ROpure™ Infinity	D9006	CB9006
RO Membrane	NANOpure® Diamond™ RO	FL1265X1	CBFL1265X1
UF Cartridge	NANOpure® Diamond™ RO	FL1192X1	CBFL1192Y1

Replacement Cartridges for Barnstead®
Laboratory Water Systems

Replacement Hose Nipple Cartridge Kits for Barnstead and Other Cartridge Housings

Description	Where Used	Barnstead Equiv. Part Number	Siemens Catalog Number
1/2 Size, Mixed Bed Oxygen Removal	180 Grains as $CaCO_3$	D8822	CW8822
High Capacity, 2 Bed	1650 Grains as $CaCO_3$	D8901	CW8901
Mixed Bed	730 Grains as $CaCO_3$	D8902	CW8902
Pretreatment	1450 Grains as NaCl to 1 megohm-cm Endpoint	D8921	CW8921
Organic Removal		D8904	CW8904
Mixed Bed (No Dye)	730 Grains as $CaCO_3$	D8911	CW8911
Organic Removal, Mixed Bed	575 Grains as $CaCO_3$	D8922	CW8922
2/3 Size, High Capacity Mixed Bed	1080 Grains as $CaCO_3$	D8950	CW8950

Note: Hose Nipple Cartridges are non-pressure applications; outlet must be vented to atmosphere, minimum inlet pressure should be 5 psig (0.3 bar) and designed for 3/8" H.B. (9.5mm) connection.

Total Service Offerings and
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Siemens offers full service and preventative maintenance programs for total peace of mind. When you take advantage of our proven service offerings you can reduce your lifetime product costs, extend the life of your laboratory systems and avoid costly downtime.

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• Spare part availability for lab water systems

ASTM
CLSI (formerly NCCLS)
USP30

AMERICAN SOCIETY FOR TESTING AND MATERIALS

Standard Specifications for Reagent Water

ASTM Type	I	II	III	IV
Conductivity @ 25°C (micromhos/cm)	0.056	1.0	0.25	5.0
Resistivity @ 25°C (Megohms-cm)	18	1.0	4.0	0.2
Total Silica (µg/L)	3	3	500	–
Total Organic Carbon (µg/L)	100	50	200	–
Chlorides (µg/L)	1	5	10	50
Sodium (µg/L)	1	5	10	50
pH*	–	–	–	5.0-8.0

	Type A	Type B	Type C
Max Heterotropic Bacteria Count	10/1000 mL	10/100 mL	100/10 mL
Endotoxin, EU/mL	< 0.03	0.25	N/A

*The measurement of pH in Type I, II, and III reagent water has been eliminated because these grades of water do not contain constituents in sufficient quantity to alter pH.

CLSI (CLINICAL LABORATORY STANDARDS INSTITUTE)

Clinical Laboratory Reagent Water (CLRW)

CLSI	
Resistivity @ 25°C (megohms-cm)	10
Conductivity @ 25°C (micromhos/cm)	0.1
Bacterial Growth (cfu/mL)	10
Organics	< 500 ppb
Particulate Matter	0.22 µm Filter[a]

[a] *The specification is a process specification, and not measured by the end-user.*

UNITED STATES PHARMACOPEIA 30 STANDARDS

USP 30 Pharmaceutical Grade Water

Organics	<0.5 ppm TOC
Conductivity	<1.3 µS/cm at 25°C in-line measurement*
Endotoxin by LAL	
Purified Water	No specification
WFI	<0.25 EU/mL
Bacteria (guideline only)	
Purified Water	<100 cfu/mL
WFI	<10 cfu/100 mL

*from equivalent values from USP Table for Conductivity Limits as a Function of Temperature.

TO PLACE AN ORDER:

Contact:
Customer Service
Address: Siemens Water Technologies
         10 Technology Drive
         Lowell, MA 01851

Tel: 800.822.7659
         978.934.9349 ext.5001
Fax: 978.970.2465
Hours: 24 Hour Customer Service
Online Ordering: E-mail us at
                orderentry.water@siemens.com

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- Net 30

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- Credit Card
  (We accept VISA, MasterCard, and American Express)
- Wire Transfer

Ordering Information Required:
- Your name, telephone and fax number
- Your Siemens account number
- Complete "bill to" and "ship to" addresses
- Purchase Order Number
- Catalog number(s)
- Quantity required
- Product manufacturer and name

Important Notes:
- **Hard copies of purchase orders are required for greater than $2,500.00**
- Minimum Order Amount is $50.00
  (This may be waived in case of "medical emergencies")
- Returns are subject to a 20% restocking fee with a minimum charge of $100.00

FOR PRODUCT OR TECHNICAL INFORMATION:

Contact:
Technical Support
Address: Siemens Water Technologies

            10 Technology Drive
            Lowell, MA 01851

Tel: 800.875.7873 ext.5000
         978.934.9349 ext.5000
Fax: 978.458.6922
Hours: Monday-Friday
         8:00a.m. to 7:00p.m. EST.

STRICT ADHERENCE TO QUALITY CONTROL PRACTICES:

Siemens Water Technologies and ELGA LabWater products are manufactured to meet or exceed the industry standards for high purity water. All systems are manufactured to produce water in accordance with ASTM, CLSI/CAP, and USP standards for Type I, II, III and pharmaceutical grade water.

As a global company, our constant commitment to the quality of our product is demonstrated with our adherence to quality standards such as ISO 9001/EN29001, and cGMP guidelines. These quality systems guarantee the consistency, and quality in workmanship of our products. Multiple in-process control steps ensure that our customers will be receiving the highest quality products available.

Our quality systems ensure that our design and component selection, purchasing, assembly and testing are all carried out to detailed procedures which are routinely audited by an external certification body.

At each step of our manufacturing process, we check to ensure that our quality requirements are being met, and at the end of the process, all the functions of every unit are tested and approved before the product is released. ELGA LabWater products are designed and tested to meet international standard EN61010, relevant EMC (Electromagnetic compatibility) standards, and UL® safety standards. Quality is key at Siemens Water Technologies and ELGA LabWater. We aim to provide the highest quality products and services to our valued customers worldwide.

PRODUCT RETURN POLICY

Products incorrectly ordered or defective may be returned through our return authorization system for credit or replacement. A 20% restocking fee will be charged for each return due to customer order error. This policy does not apply to special, custom made or modified products. Any modified or special, custom manufactured product are non-returnable. Contact our technical services department for all product returns. All our products are 100% satisfaction guaranteed.

WARRANTY:

Siemens Water Technologies warrants the products manufactured by it against defects in materials and workmanship when used in accordance with the applicable instructions for a period of one year from the date of shipment of the products. Siemens makes no other warranty expressed or implied. There is no warranty of merchantability or fitness for a particular purpose. The warranty provided herein and the data specifications and descriptions of Siemens products appearing in the published catalogs and product literature may not be altered except by expressed written agreement signed by an officer of Siemens. Representation oral or written which are inconsistent with this warranty or such publications are not authorized and if given should not be relied upon. Siemens reserves the right to change the specifications within this literature at any time without prior notice.

Siemens is a global company, providing water purification products and services worldwide. Please contact the Siemens Water Technologies office closest to your location to obtain detailed information about the products available. If you need assistance locating an office, call our customer care department at 1.800.466.7873. At Siemens, we are committed to customer satisfaction and will work to provide you with whatever you need to manage your water purification needs.

For more information contact:

Siemens
Water Technologies

North America Customer & Technical Service Network
In the Continental United States
800.466.7873 *Customer Service 24 hour*
800.875.7873 ext. 5000 *Technical Support*
10 Technology Drive
Lowell, MA 01851

In Canada
Canada East (Toronto)
905.890.2803 *Customer Service 24 hour*

Canada West (Calgary)
403.250.2650 *Customer Service 24 hour*

or contact your local branch

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