



ELGA

THE LABORATORY WATER SPECIALISTS

Quick Reference Product Guide



 **VEOLIA**
WATER

Solutions & Technologies

We understand how important it is for scientists to obtain a choice of water qualities that range from primary grade, for simple routine washing and rinsing, through to ultrapure for the most critical science and analytical applications.

We offer the widest range of water purification systems available and our commitment and heritage in purifying laboratory water ensures you can focus on obtaining accurate results for your research and testing applications.

PURELAB® Laboratory water systems

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MEDICA® Diagnostics systems

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BIOPURE Healthcare systems

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CENTRA® Centralized laboratory water systems

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A commitment to excellence

ELGA LabWater has installed thousands of systems worldwide.

- Ongoing research and development keeps the ELGA water purification systems at the forefront of technological innovation and delivers a high degree of future proofing
- A commitment to the highest quality control processes guarantees reliability and compliance with international, environmental, and user organization specific standards





Worldwide service and support

Every ELGA water purification system comes complete with one essential extra feature – first class service and support wherever you are in the world. ELGA service engineers will apply their expertise to the installation, validation and maintenance of your water purification systems in compliance with all the relevant codes.

Visit www.elgalabwater.com to find your nearest contact.

Service Excellence

- We aim to provide a first time fix service level
- Preventative maintenance contracts are structured to match your precise needs, thereby minimizing interruptions to your workflow and sustaining system reliability
- All of our calibration equipment is maintained to traceable standards and operated by fully trained service technicians, ensuring your water quality is consistently maintained at the required standard

Training

- “Hands on” operation training arranged on or off site to ensure optimal system performance and minimize the risk of an interrupted workflow

Technical Assistance

- Our specialized local team will ensure you find the perfect product to match both your budget and applications
- Our dedicated local help desk is always available to provide advice, troubleshooting and parts identification

Online Facility www.elgalabwater.com

- Locate your local service representative
- Learn more about water quality and standards by downloading a FREE Pure Labwater Guide
- Find a water purification system which meets your needs with our online product selector



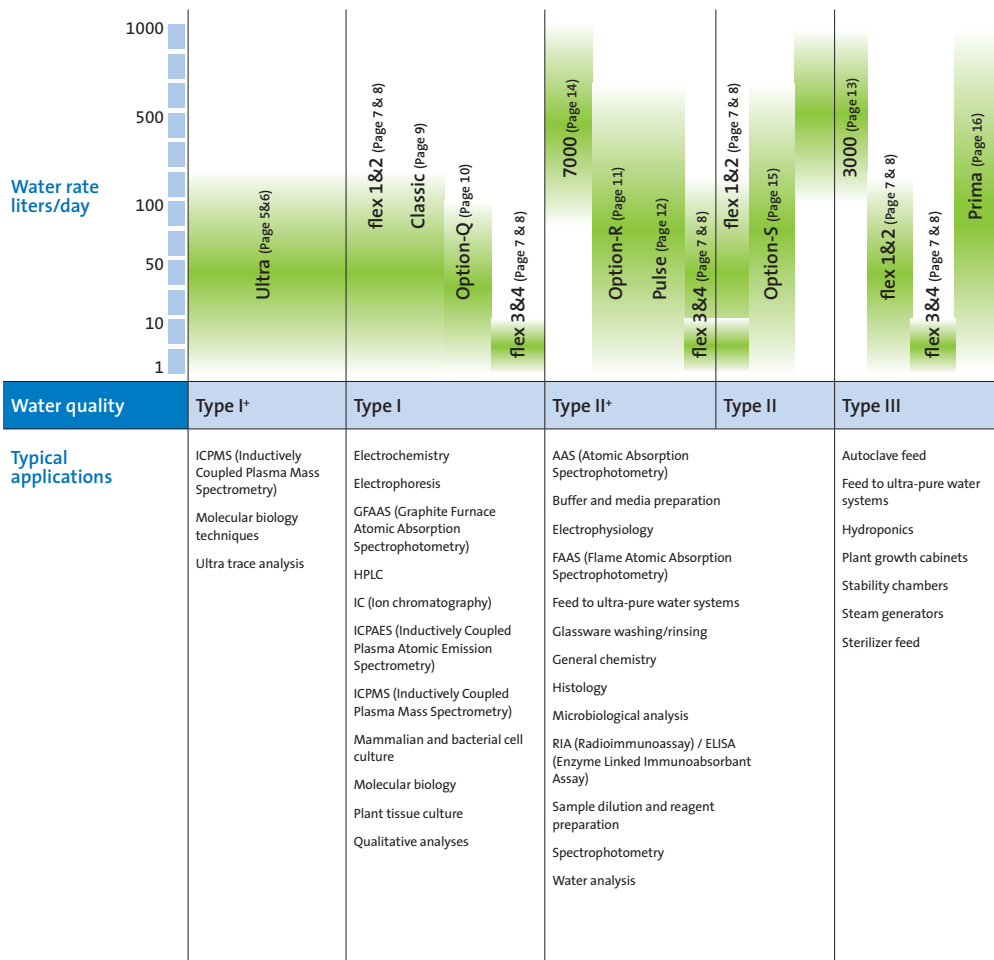
PURELAB product finder

Matching systems to applications supporting you all the way

Water purification is often a complex process that incorporates multiple technologies into a single purification system; therefore, we have developed the product finder to help you select the best water purification system suited to your application needs. Our team of technical and application specialists is always available to answer any questions, as well as providing friendly, expert advice in choosing the most suitable water purification system.

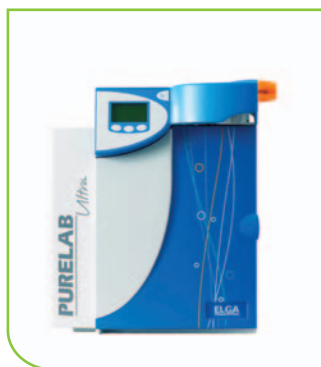


PURELAB Product Finder



Type I+ water (Ultrapure grade)

PURELAB Ultra Analytic, Ionic & Scientific



PURELAB Ultra

- Choice of three ultrapure water systems for analysis
- Purity beyond 18.2 MΩ-cm with unique PureSure system
- Unique Volumetric Profile Dispense facility for easy recording, replication and speedy dispensing of multiple set volumes
- Real time TOC monitoring on the PURELAB Ultra Analytic
- Full spectrum UV lamp for low microbial and organic specification on the PURELAB Ultra Analytic
- Labpure high capacity purification cartridges for longer life and lower running costs
- Sensitive electronic dispense offers accurate flow control from single droplets up to 2 liters/min
- Cartridge Identification technology provides **validatable traceability** and guarantees the quality of the cartridge

Applications

HPLC	CF-AAS
GC-MS	TOC analysis
ICP-MS	IC
ICP-ES	Electrochemistry
AAS	Ultra-trace and trace inorganic and organic analysis

PURELAB Ultra Model	Analytic	Ionic	Scientific
Inorganics (resistivity @25°C)	18.2 MΩ-cm	18.2 MΩ-cm	18.2 MΩ-cm
Organics (TOC) – typical	1 – 2 ppb ¹	3 – 10 ppb ¹	3 – 10 ppb ¹
Bacteria – typical	<0.1 CFU/ml ^{2,3,4}	<0.1 CFU/ml ^{2,3,4}	<1 CFU/ml ²

Subject to correct operating and maintenance procedures ¹Dependent on feedwater – recommended feed <50 ppb TOC

² With point-of-use filter ³ <1 CFU/ml achievable without point-of-use filter

⁴Based on measurement of <10 CFU in a 100ml sample



Type I⁺ water (Ultrapure grade)

PURELAB Ultra Genetic & Bioscience

- Choice of two top of the range systems for life science applications requiring ultrapure water
- Purity beyond 18.2MΩ-cm with unique PureSure system
- Unique Volumetric Profile Dispense facility for easy recording, replication and speedy dispensing of multiple set volumes
- Real time TOC monitoring on the PURELAB Ultra Genetic
- Full spectrum UV lamp for low microbial and organic specification (PURELAB Genetic only)
- Labpure high capacity purification cartridges for longer life and lower running costs
- Sensitive electronic dispense offers accurate flow control from single droplets up to 2 liters/min
- Cartridge Identification technology provides **validatable traceability** and guarantees the quality of the cartridge



PURELAB Ultra

Applications

Molecular biology	DNA sequencing
Microbiology	Mammalian cell culture
PCR	Cell and culture media preparation
Electrophoresis	Monoclonal antibody production

PURELAB Ultra Model	Genetic	Bioscience
Inorganics (resistivity @25°C)	18.2 MΩ-cm	18.2 MΩ-cm
Organics (TOC) – typical	1 – 3 ppb ¹	3 – 10 ppb ¹
Bacteria – typical	<0.1 CFU/ml ^{2,3,4}	<0.1 CFU/ml ^{2,3,4}
RNase and DNase	Removed	Removed
Endotoxin	<0.001 EU/ml	<0.001 EU/ml

Subject to correct operating and maintenance procedures¹ Dependent on feedwater – recommended feed <50 ppb TOC

² With point-of-use filter ³ <1 CFU/ml achievable without point-of-use filter

⁴ Based on measurement of <10 CFU in a 100ml sample

Type I, II and III water (Ultrapure grade)

PURELAB flex



PURELAB flex 1, 2, 3 & 4

- Clear water purity display for absolute confidence as you dispense
- PURELAB flex 3 delivers type I ultrapure water direct from potable tap water
- Ergonomic handset design for ease of use
- Real Time TOC monitoring for critical analytical applications (PURELAB flex 2, 3 & 4)
- Flexible dispensing options:
 - Variable flow – drop by drop or up to 2 liters per minute
 - Autovolume dispense from 50 ml to 60 liters
 - Locked dispense for glassware filling
- Quick and simple maintenance. Easy to use sanitization pack requires no replacement of consumables or handling of chemicals

Applications

All Life Science and Analytical applications

PURELAB flex Model	PURELAB flex 1	PURELAB flex 1 (with Purification Pack)
Daily Volume	>10 liters	>10 liters
Inorganics (resistivity @25°C)	As per feedwater	18.2 MΩ-cm
Organics (TOC) – typical	Dependant on feedwater	Dependant on feedwater
Bacteria – typical ²	<1 CFU/10ml	<1 CFU/10ml
Bacteria – typical ³	<1 CFU/10ml	<1 CFU/10ml
Endotoxin ³	N/A	<0.001 EU/ml
DNase ³	N/A	N/A
RNase ³	N/A	N/A

Subject to correct operating and maintenance procedures

¹ Dependant on feedwater ² When fitted with Point-of-use filter ³ When fitted with Biofilter



Find a PURELAB flex to match your application



PURELAB flex 2



PURELAB flex 3&4



PURELAB flex 1



PURELAB flex 3&4

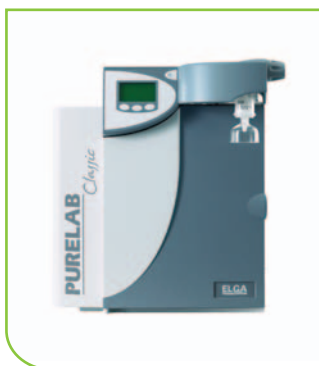


PURELAB flex 1

Daily volume	>10 Liters	<10 Liters	>10 Liters	<10 Liters	>10 Liters
Water quality	Type I ultrapure water		Type II/Type II* pure water	Type III RO water	
Feedwater source	Pre-purified water	Pre-purified or tap water	Pre-purified water	Pre-purified or tap water	Pre-purified water
Typical applications	GFAAS (Graphite Furnace Atomic Absorption Spectrophotometry) HPLC IC (Ion Chromatography) ICPAES (Inductively Coupled Plasma Atomic Emission Spectrometry) Mammalian and bacterial cell culture Plant tissue culture		AAS (Atomic Absorption Spectrophotometry) Buffer and media preparation Electrophysiology Glassware washing /rinsing Electrophysiology Histology	Autoclave feed Feed to ultrapure water systems Hydroponics Plant growth cabinets Stability chambers Steam generators	

PURELAB flex 2	PURELAB flex 3	PURELAB flex 4
>10 liters	<10 liters	<10 liters
18.2 MΩ-cm	18.2 MΩ-cm	18.2 MΩ-cm
<5ppb ¹	<5ppb ¹	<5ppb ¹
<1 CFU/10ml	<1 CFU/10ml	<1 CFU/10ml
<1 CFU/10ml	<1 CFU/10ml	<1 CFU/10ml
<0.001 EU/ml	<0.001 EU/ml	<0.001 EU/ml
<20 pg/ml	<20 pg/ml	<20 pg/ml
<0.002 ng/ml	<0.002 ng/ml	<0.002 ng/ml

Type I water (Ultrapure grade) PURELAB Classic



PURELAB Classic

- The best option for budget minded laboratories needing top quality water from a system without the enhanced operational features of ELGA's top of the range PURELAB Ultra purification systems
- Consistent supply of 18.2 MΩ-cm water, at flow-rates of up to 2 liters per minute
- Simplified water dispensing and operational ease of use
- Easy maintenance with direct access to consumables via user friendly service doors

Applications

Critical reagent preparation

Atomic absorption spectrophotometry

Critical glassware washing

HPLC

Ion chromatography

TOC measurement

Electrophoresis

PURELAB Classic Model	DI	UV	UF	UVF
Inorganics (resistivity @25°C)	18.2 MΩ-cm	18.2 MΩ-cm	18.2 MΩ-cm	18.2 MΩ-cm
Organics (TOC) – typical	3 – 10 ppb	1 – 3 ppb	3 – 10 ppb	1 – 3 ppb
Bacteria – typical	<1 CFU/ml ¹	<0.1 CFU/ml ^{1,2}	<0.1 CFU/ml ^{1,2}	<0.1 CFU/ml ^{1,2}
RNase and DNase	–	–	Removed	Removed
Endotoxin	–	–	<0.001 EU/ml	<0.001 EU/ml

Subject to correct operating and maintenance procedures ¹with point-of-use filter

²<1 CFU/ml without point-of use filter

Type I water (Ultrapure grade) PURELAB Option-Q



Optional ELGA Biofilter

- The cost-effective choice for laboratories requiring ultrapure water direct from a potable supply at a make-up rate of 15 liters per hour
- Dispense flow-rates of up to 1 liter per minute of 18.2M Ω -cm water
- Recirculation of purified water through DV25 Docking Vessel or reservoir to maintain consistent peak water quality
- Optional ELGA Biofilter – when fitted to the Option-Q produces water which is free from biologically active impurities. This makes it suitable for use with applications which require endotoxin free ultrapure water, bacteria free water, and nuclease free ultrapure water



PURELAB Option-Q on DV25
Docking Vessel

PURELAB Option-Q Model	7/15	When fitted with ELGA Biofilter
Inorganics (resistivity @25°C)	18.2 M Ω -cm	18.2 M Ω -cm
Organics (TOC) – typical	1 – 3 ppb	1 – 3 ppb
Bacteria – typical	<1 CFU/ml	<0.1 CFU/ml
Endotoxin	–	<0.001 EU/ml
RNase	–	<0.002 ng/ml
DNase	–	<20 pg/ml

Subject to correct operating and maintenance procedures

Type II* water (General laboratory grade)

PURELAB Option-R

- The popular choice for everyday laboratory work, with flow rates from 7 to 60 liters per hour
- Multiple purification technologies (pretreatment, reverse osmosis, ion exchange, photooxidation and optional 0.2µm filtration) in combination with a recirculation feature producing high-quality general laboratory grade water of double distilled quality or better



PURELAB Option-R 7/15



PURELAB Option-R 30/60

Applications

All the applications of the PURELAB Option-S plus:

Flame atomic absorption

Tissue and cell culture

Cytological and histology preparations

Protein electrophoresis

Spectrophotometry, water analysis and general purpose HPLC

Immuno-cytochemistry, electrophysiology and electrochemistry

PURELAB Option-R Model (l/hr)

PURELAB Option-R Model (l/hr)	7/15	30/60
Inorganics (resistivity @25°C)	10 – >15 MΩ-cm	5 – >15 MΩ-cm
Organics (TOC) – typical	<20 ppb	<20 ppb
Bacteria – typical	<1 CFU/ml	<1 CFU/ml

Subject to suitable feedwater and operating procedures



Type II+ water (General laboratory grade)

PURELAB Pulse



- Incorporates patented 'Pulse Technology' using Electrodeionization (EDI) to provide a constant supply of high purity water at minimal running costs
- Unique integral recirculation ensures optimum water quality at point of dispense
- Improved laboratory productivity – longer periods between sanitization and quick and easy replacement of consumables reduces maintenance time



PURELAB Pulse

Applications

All the applications of the PURELAB Option-S plus:

Flame atomic absorption

Tissue culture and cell culture

Cytological and histology preparations

Spectrophotometry, water analysis and general purpose HPLC

Immuno-cytochemistry, electrophysiology and electrochemistry

PURELAB Pulse Model

Inorganics (resistivity @25°C)¹

Organics (TOC) – typical

Bacteria – typical²

Flow rate

Pulse 1

10 to >15 MΩ-cm

<20 ppb

<1 CFU/10ml

up to 10 l/hr

Pulse 2

10 to >15 MΩ-cm

<20 ppb

<1CFU/10ml

up to 20 l/hr

¹Optimum performance will be achieved with moderate use on moderate feedwaters. At high usage (>100 l/day) with high Total Conductivity and CO₂ feedwaters (>700µS/cm, 20 ppm CO₂) some reduction in product water resistivity may occur.

²Subject to correct operating and maintenance procedures and use of POU filter.

Type II and Type III water
(Primary and general laboratory grade)

PURELAB 3000



PURELAB 3000

- High volume delivery of pure water for general laboratory use
- Flexible configuration provides easy upgradability of flow rates from 60 to 120 liters per hour or higher quality Type II pure water
- Minimal consumables ensure a low cost of ownership for the life of the system
- Auto rinse and simple sanitization procedures maintain the purity of the water
- Pure water can be used direct from the internal 50 liter reservoir or fed to much larger external reservoirs

Applications

Autoclave feed	Plant growth cabinets
Feed to ultrapure water system	Stability chambers
Feed an external storage reservoir for use or distribution	Steam generators
Hydroponics	Sterilizer feed

PURELAB 3000 Model	3060	3120
Inorganics (resistivity @ 25°C)	>10 MΩ-cm ^{1,2}	>10 MΩ-cm ^{1,2}
TOC – typical	<100 ppb ¹	<100 ppb ¹
Particles	>99% Rejection ¹	>99% Rejection ¹

Specifications are for a system fed with a suitable water supply and installed, operated and sanitized according to the operator manuals.¹ Quality of water feeding the reservoir. Quality out of reservoir depends on use and design

² With optional deionization cartridge fitted.

Type II+ water (General laboratory grade)

PURELAB 7000

- High volume delivery of Type II water for multiple applications on a small distribution loop
- High flux RO, long-life deionization cartridges and UV photo-oxidation ensure the cost-effective production of consistent high quality water
- Space saving design – fits neatly under a bench
- Auto rinse and simple sanitization procedures maintain the purity of the water for the life of the system
- Pure water can be used direct from the internal 50 liter reservoir at varying flow rates or fed to much larger external reservoirs



PURELAB 7000

Applications

AAS (Atomic Absorption Spectrophotometry)	Histology
Buffer and media preparation	Microbiological analysis
Electrophysiology	RIA (Radioimmunoassay)/ELISA (Enzyme-linked immunosorbent assay)
Feed to ultrapure water systems	Sample dilution and reagent preparation
General chemistry	Spectrophotometry
Glassware washing/rinsing	Water analysis

PURELAB 7000 Model	7060	7120
Inorganics (resistivity @ 25°C)	>15 MΩ-cm	>15 MΩ-cm
TOC – typical	<10 ppb	<10 ppb
Bacteria – typical	0.05 µm filtration	0.05 µm filtration

Specifications are for a system fed with a suitable water supply and installed, operated and sanitized according to the operator manuals.

Type II water (General laboratory grade)

PURELAB Option-S



- The ideal system for the busy laboratory, with flow rates from 7 to 60 liters per hour
- Multiple purification technologies (pretreatment, reverse osmosis and ion exchange) in combination produce general laboratory grade water of single distilled quality or better



PURELAB Option-S 7/15
on Docking Vessel



PURELAB Option-S 30/60

Applications

- Glassware washing/rinsing
- Feed to ultrapure water systems
- Reagent make-up/dilution, buffer and media preparation
- General chemistry and qualitative analyses
- Feed to environmental cabinets

PURELAB Option-S Model (l/hr)	7/15	30/60
Inorganics (resistivity @25°C)	1 – >10 MΩ-cm	1 – >15 MΩ-cm
Organics (TOC) – typical	<30 ppb	<50 ppb
Bacteria – typical	n/a	<1 CFU/ml

Subject to suitable feedwater and operating procedures

Type III water (Primary grade) PURELAB Prima



- PURELAB Prima systems purify water by reverse osmosis – ideal for general-purpose applications in the laboratory, and as a feed to other ELGA water purification systems
- A choice of models to suit your needs, providing from 7 to 120 liters per hour



PURELAB Prima 7/15/30
on Docking Vessel



PURELAB Prima 60/90/120

Applications

Feed to ultrapure water systems, autoclaves, environmental cabinets and stills

Glassware washing

Hydroponics

Steam generators

PURELAB Prima Model (l/hr)

Inorganics – typical

Organics (TOC) – typical ^{1,2}

Bacteria – typical ¹

7/15/30/60/90/120

Up to 98% rejection

<100 ppb

<5 CFU/ml

¹Subject to correct operating and maintenance procedures ²With suitable pretreatment, if required, depending on the feedwater

MEDICA Product Finder



**MEDICA
product
finder**

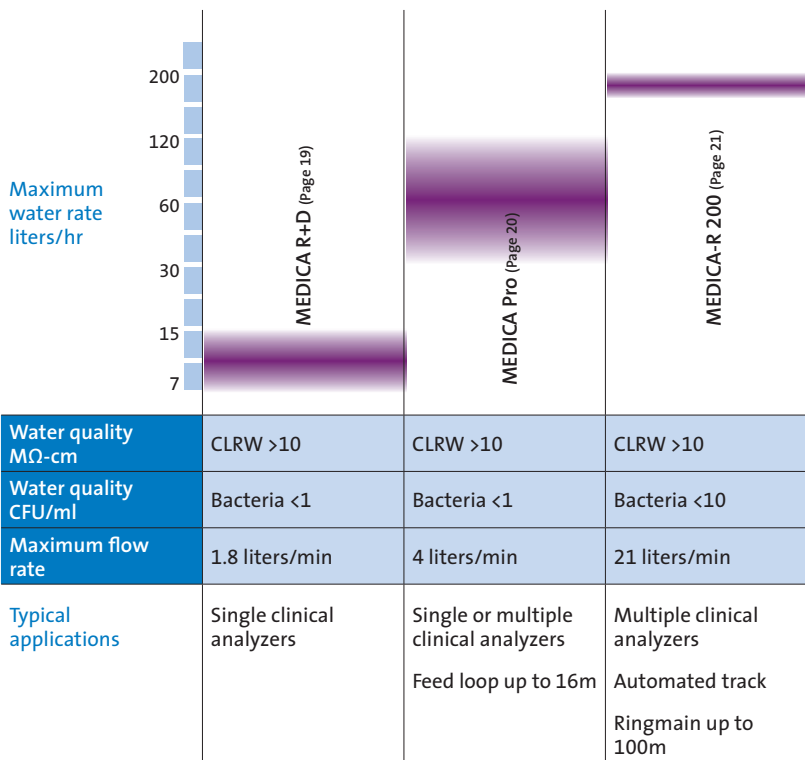
Matching systems to clinical analysers

Supporting you all the way

MEDICA systems are designed to provide water to clinical analysers specified to Clinical Laboratory Reagent Water (CLRW) standard (formerly Clinical Laboratory Standards Institute Type 1). Whether you have access to tap or partially purified water, or need to feed analysers on a small or large scale, ELGA has the system for you. To help you choose the system that is most suited to your clinical analyzer needs, we have developed the MEDICA product finder (see overleaf). Furthermore, our team of technical and application specialists are always available to answer any questions, as well as provide friendly, expert advice in choosing the most suitable water purification systems.



MEDICA Product Finder



MEDICA-S/R/D 7/15



MEDICA 7/15 on Docking Vessel

- Designed to directly feed low volume clinical analyzers with up to 7 or 15 liters per hour (1.8 liters per minute) of CLRW grade (CLSI) water
- Recirculation of purified water on the MEDICA-R 7/15 ensures a consistent high quality with a low bacterial specification
- MEDICA-D features a membrane contactor to deliver a reduced dissolved oxygen specification required by some analyzers
- Audible and visual alarms guarantee water quality
- Dispense tap on the MEDICA-R enables you to additionally provide pure water on demand for general laboratory applications

Applications

Feed to clinical chemistry analyzers

Feed to immunodiagnostic analyzers

MEDICA Model (l/hr)	S 7/15	R 7/15	D 7/15
Inorganics (resistivity @25°C)	>10 MΩ-cm	>10 MΩ-cm	>10 MΩ-cm
Organics (TOC) – typical	<30 ppb	<30 ppb	<30 ppb
Bacteria – typical	<1 CFU/ml	<1 CFU/ml	<1 CFU/ml
Dissolved oxygen	n/a	n/a	6 – 8 ppm

Subject to correct operating and maintenance procedures

MEDICA Pro-R/RE



- Designed to directly feed individual or multiple clinical analyzers with up to 4 liters per minute of CLRW grade (CLSI) water
- High flux reverse osmosis with a make-up rate of 30, 60 or 120 liters per hour
- Low bacterial specification – UV and microfiltration technologies together with recirculation and a simple sanitization regime keep bacterial contamination below 1 CFU/ml
- Protek high capacity adsorption pretreatment cartridge avoids the need for external filters
- Medpure long life deionization cartridge reduces exchange frequency and running costs
- E-Cartridge on the MEDICA Pro-RE for the reduction of CO₂



MEDICA Pro

Applications

Feed to clinical chemistry analyzers

Feed to immunodiagnostic analyzers

MEDICA Pro Model	Pro-30	Pro-60	Pro-120
Inorganics (resistivity @25°C)	>10 MΩ-cm	>10 MΩ-cm	>10 MΩ-cm
Organics (TOC) – typical	<30 ppb	<30 ppb	<30 ppb
Bacteria – typical	<1 CFU/ml	<1 CFU/ml	<1 CFU/ml

Subject to correct operating and maintenance procedures

MEDICA-R 200



MEDICA-R 200

- Designed to supply up to 200 liters per hour of CLRW grade (CLSI) water to higher volume or multiple clinical analyzers on a loop
- The first system to incorporate multiple technologies in a compact system box with a recirculation rate of 18 liters per minute
- Incorporates a wide range of safety features and alarms to ensure pure water quality is never compromised
- Plug and play connections make the MEDICA-R 200 very quick and easy to install

Applications

Feed to clinical chemistry analyzers

Feed to immunodiagnostic analyzers

MEDICA Model (l/hr)	R 200
Inorganics (resistivity @25°C)	>10 MΩ-cm
Organics (TOC) – typical	<30 ppb ¹
Bacteria – typical	<10 CFU/ml

Subject to correct operating and maintenance procedures ¹ With ion-exchange cylinder installed (Nuclear or Hypex grade resin).



BIOPURE 60/120

- Designed to meet the very latest medical standards – pr EN15883, HTM2030, NHS MES c32 and MDA/HIS
- 3 models available to feed a wide range of endoscope reprocessors, washer disinfectors and bench-top autoclaves
- Incorporates an automatic/validated self-disinfection routine which is easy to use and maintain by hospital staff
- High efficiency reverse osmosis membrane with a make-up rates of 7 to 600 liters per hour
- Ultra-violet sterilizer for continual bacteria destruction and maintenance of low microbiological levels



BIOPURE 200/300/600



BIOPURE 7/15

Applications

For washer disinfectors, endoscope reprocessors and autoclaves

BIOPURE Model (l/hr)	7/15	60/120	200/300/600
Inorganics (resistivity @25°C)	<1 $\mu\text{S}/\text{cm}$	<30 $\mu\text{S}/\text{cm}^1$	<30 $\mu\text{S}/\text{cm}^1$
Bacteria – typical	<1 CFU/10 ml ²	<1 CFU/10 ml ²	<1 CFU/10 ml ²
Endotoxin	<0.25 EU/ml	<0.25 EU/ml	<0.25 EU/ml

Subject to correct operating and maintenance procedure¹ Subject to a maximum feedwater TDS of 500ppm.² System to be regularly disinfected and installed following ELGA installation design guidelines. Sample to be taken from hygienic sample valve and sampled in accordance with ELGA guidelines.

CENTRA-R 60/120



CENTRA-R 60/120

- Complete water purification, storage, control and distribution systems delivering up to 120 liters per hour of pure water to a distribution loop system
- Compact design means that the system can be placed close to work areas, avoiding the negative cost and design implications of unnecessarily long pipe work
- Reliable, continual supply of pure water using unique access controls, leak detection systems and full AV alarms with optional building management system (BMS) connectivity
- Optimized water purity through use of in-line UV oxidation, deionization and 0.2 μm filtration
- Fast and easy sanitization ensures that optimum purity is maintained throughout the life of the product

CENTRA Model	R 60	R 120
Make-up rate @ 15°C	60 l/hr	120 l/hr
Delivery flowrate	10 l/min @ 22psi (1.5bar)	10 l/min @ 22psi (1.5bar)
Inorganics (resistivity @ 25°C)	>5 M Ω -cm	>5 M Ω -cm
TOC – typical	<30 ppb ¹	<30 ppb ¹
Bacteria – typical	<1 CFU/1ml ¹	<1 CFU/1ml ¹
Particles	0.2 μm filter	0.2 μm filter

¹Specifications for CENTRA fitted with UV and optional deionization cartridge and microfilter.

Without the deionization cartridge the CENTRA will provide RO, permeate-grade III water with greater than 95% rejection of organics. TVC levels will typically be less than 5 CFU/ml and TOC less than 100 ppb. With the microfilter TVC will fall typically to less than 1 CFU/ml and there will be particle removal to 0.2 μm . Specifications are for a system fed with a suitable water supply and installed, operated and sanitized according to the operator manuals.

CENTRA RDS



- Centralized distribution systems designed to enhance existing water purification systems such as the PURELAB Prima; storing, controlling and distributing prepurified water throughout a building via a loop
- Incorporates an array of system operations, monitors and alarms to improve the management of your loop system
- Standard CENTRA systems deliver a loop flowrate of up to 18 liters per minute. The CENTRA RDS is also available as high flow variable speed model, (HFV) capable of delivering up to 30 liters per minute



CENTRA RDS

Standard CENTRA Model	RDS
Loop Flow rate	Up to 18 liters per minute
High Flow CENTRA Model	RDS-HFV
Typical Loop Flow Rate	Variable speeds, up to a maximum of 30 liters per minute ¹
Reservoir Capacity	350 liters
Recirculation Pump	√
UV Photo-oxidation	√
0.2µm Filter	√
Optional Deionization	√
Product Water Specifications	
The performance specifications given below are intended only as a guide.	
Inorganics (resistivity @ 25°C)	From feed quality up to 18.2 MΩ-cm ³
TOC – typical	From feed quality up to <10 ppb ³
Bacteria – typical ²	<5 CFU/ml ²

Subject to suitable operation, maintenance and sanitization ¹ Subject to the distribution loop design

² Subject to correct operating and maintenance procedures ³ Subject to use of suitable deionization cylinder

CENTRA-R 200



CENTRA-R 200



- Centralized purification and distribution system capable of supplying pure water to one or more laboratories on a loop system
- Features a 200 liters per hour reverse osmosis module, UV photo-oxidation and a feed to and from a deionization cylinder
- Incorporates a wide range of safety features and alarms to ensure pure water quality is never compromised
- Standard CENTRA systems deliver a loop flowrate of up to 18 liters per minute. The CENTRA-R 200 is also available as high flow variable speed model, (HFV) capable of delivering up to 30 liters per minute
- Compatible with building management systems

Standard CENTRA Model	R 200
Loop Flow rate	Up to 18 liters per minute
High Flow CENTRA Model	R 200-HFV
Typical Loop Flow Rate	Variable speeds, up to a maximum of 30 liters per minute ¹
Reservoir Capacity	350 liters
Recirculation Pump	√
Reverse Osmosis	√
UV Photo-oxidation	√
0.2µm Filter	√
Optional Deionization	√
Product Water Specifications	
The performance specifications given below are intended only as a guide. Each system can be individually specified to meet your particular requirements.	
Inorganics (resistivity @ 25°C)	Up to 18.2 MΩ-cm ³
TOC – typical	<10 ppb ³
Bacteria – typical ²	<5 CFU/ml ²

Subject to suitable operation, maintenance and sanitization ¹Subject to the distribution loop design ²Subject to correct operating and maintenance procedures ³Subject to use of suitable deionization cylinder ⁴Subject to feedwater

Validation Support Service



Comprehensive Validation Support Manual

All documentation and certificates are integrated into one easy-to-use validation support manual that provides a smooth step-by-step progression through the validation support process to guarantee successful qualification. Its principal sections include:

- **Pre-validation (Factory Acceptance Test)** – ELGA uniquely provides detailed documentation of all quality control and calibration testing prior to a system leaving our manufacturing facility. This innovative approach reduces the testing required on site and guarantees quality while reducing the cost of on-site compliance
- **Installation Qualification (IQ)** – provides documentary evidence to demonstrate that your ELGA system is installed in accordance with specifications
- **Operational Qualification (OQ)** – provides documentary evidence to demonstrate that your ELGA system operates in accordance with the system design criteria
- **Performance Qualification (PQ)** – provides documentary evidence to demonstrate that your ELGA system can continually meet your water quality requirements
- **Standards and Certificates** – includes certificates of conformity and calibration generated during manufacturing and the quality control process

Annual Requalification Pack

Our annual requalification service is designed to provide the highest level of validation support for the lifetime of your water purification system. It provides assurance that your system is continuing to meet user requirements and is still providing the same high quality water as it did when installed.

The service includes:

- Installation Qualification (IQ)
- Operational Qualification (OQ)

Contact us:

ELGA offices and distributors are located in more than 60 countries and are fully trained in all ELGA systems. To find your nearest ELGA representative, go to www.elgalabwater.com and select your country for contact details.

ELGA Global Operations Centre

Tel: +44 1494 887 500
Fax: +44 1494 887 505

Email: info@elgalabwater.com
Web: www.elgalabwater.com

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