Uninterrupted Discovery

The Purelab® Range

The laboratory water purification solutions for your research needs.



VEOLIA

PURELAB® Quest

The only purifier on the market that dispenses all 3 types of science ready water from a compact, economical and easy to use system. The Quest water solution system provides laboratory water directly from a tap water input.

AT A GLANCE

Overview:

- **Type I** - 18.2 MΩ.cm (Up to 10 Litres per day)
- **Type II** - > 1 MΩ.cm (Up to 10 Litres per day)
- **Type III** - 20 µS.cm (Up to 30 Litres per day)

Key Features:

- Compact
- Connected
- Sustainable
- Cost effective
- Proven reliability which is tested, proven and unrivalled
- Effortless, ingenious, intuitive

Ideal Applications:

- **Type I Water**
  HPLC
  GC-MS
  AA/ICP-OES
  IC
  Molecular biology e.g. DNA Sequencing and PCR
- **Type II Water**
  Preparing and diluting buffers and reagents
  Tissue culture media pH solutions
- **Type III Water**
  Glassware rinsing
  Water baths
  Autoclave feeds

Compact

232 mm wide. 510 mm high. Wall mountable; saving valuable lab space.

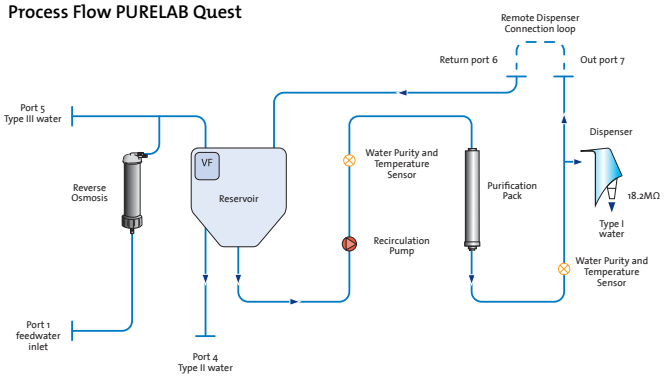
Sustainable

Made from more than 85% reclaimed materials.* Designed with long lasting consumables.

Cost-Effective

3 types of water from one system. Space saving design means a more efficient lab and team.

Process Flow PURELAB Quest



*Excludes materials in contact with the purification process.

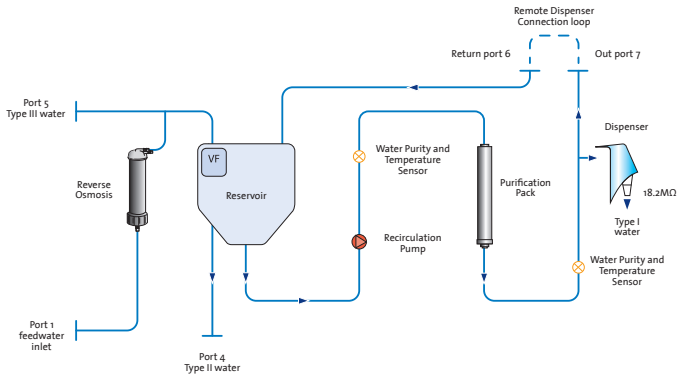


See specification on page 46

Quest



Process Flow PURELAB Quest



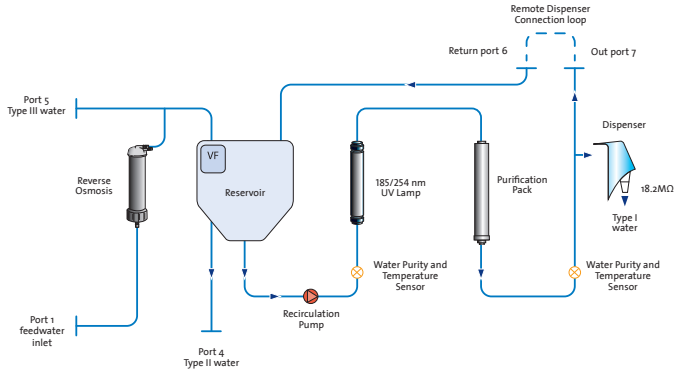
Specifications	PURELAB Quest UV	PURELAB Quest
Ultrapure (Type I) water specifications (from fixed dispense tip)		
Resistivity	18.2 MΩ.cm @ 25°C	18.2 MΩ.cm @ 25°C
Dispense flow rate	Up to 1.2 l/min (0.27 gal)	Up to 1.2 l/min (0.27 gal)
TOC	<5 ppb	<30 ppb
Bacterial TVC	<0.1 cfu/ml *1	<0.1 cfu/ml *1
Endotoxin	<0.001 Eu/ml *2	<0.001 Eu/ml *2
RNases	<1 pg/ml	n/a
DNases	<5 pg/ml	n/a
pH	Effectively Neutral	Effectively Neutral
Particulates	0.2 µm filtration *1	0.2 µm filtration *1
Recommended daily volume	Up to 10 l/day *3	Up to 10 l/day *3
Pure (Type II) water specifications (Water Outlet port 4)		
Resistivity	>1 MΩ.cm @ 25 °C	>1 MΩ.cm @ 25 °C
TOC	< 50 ppb	< 50 ppb
Bacterial TVC	<100 cfu/ml	<100 cfu/ml
Recommended daily volume	Up to 10 l/day *3 (2.2 gal)	Up to 10 l/day *3 (2.2 gal)

PURELAB Quest	PURELAB Quest UV
Operational weight	Operational weight
21.4 kg (47.2 lbs)	23 kg (50.7 lbs)
Dimensions	
Height	511mm
Width	232mm
Depth	421mm
Installation	
Benchtop or wall-mounted	
Electrical Requirements	
Main Input	100 - 240 VAC, 50 - 60 Hz
Power Required (Excluding Pump and UV)	24 V DC
Power Consumption	120 VA
Noise Output	dBA - <40
Pipe Connections	
Inlet	8mm (5/16) OD Tube
Outlet	8mm (5/16) OD Tube
Drain	8mm (5/16) OD Tube
Reservoir Outlets	8mm (5/16) OD Tube
Reservoir Overflow	8mm (5/16) OD Tube
Environment	
Temperature	4 - 40 °C (recommended 10 - 25 °C)

Quest



Process Flow PURELAB Quest UV



RO-permeate (Type III) Water Specifications (Water Outlet port 5)		
Conductivity	<20 µS/cm *4	<20 µS/cm *4
TOC	<200 ppb *4	<200 ppb *4
Bacterial TVC	<1000 cfu/ml *4	< 1000 cfu/ml *4
Ionic rejection	>96% *5	>96% *5
Particulates and Bacteria rejection	>99%	>99%
Organic rejection (MW > 200 Da)	>99%	>99%
Production flow	10 l/hr *5	10 l/hr *5
Recommended daily volume	Up to 30 l/day	Up to 30 l/day

**1 When using point of use filters (LC134/LC197)*

**2 When using point of use filter (LC197)*

**3 Available volume of Type I and II water combined; increased use will reduce purification pack life*

**4 Subject to suitable feed water purity (see ionic rejection) and system maintenance*

**5 With feed water pressure at > 4 bar and temperature at 15 °C*

Feedwater Specifications	
Water Source	Portable Water Source
Conductivity	< 2000 µS/cm (High conductivity feedwaters may lower purification pack life and raise Type III water conductivity)
Hardness	<350 ppm as $CaCO_3$
Free Chlorine	<0.05 ppm Cl_2
Chloramine	<0.02 ppm Cl_2
Total Chlorine	<0.05 ppm Cl_2
Silica	<30 ppm SiO_2
Carbon Dioxide (CO_2)	<30 ppm (recommended < 20 ppm)
Fouling Index	<10
Iron/Manganese	<0.5 ppm Fe/Mn
TOC (Total Organic Carbon)	Recommended <2ppm

Find your product



	Chorus 1				Chorus 2 & 3				flex				Quest	
	Life Science	Analytical Research	1 Complete with TOC	Pharma Compliance	2+ (RO/EDI/UV)	2+ (RO/DI/UV)	2 (RO/DI)	3 (RO)	flex 1	flex 2	flex 3	flex 3+	Quest UV	Quest Non UV
Water Type														
Ultrapure Type I	✓	✓	✓	✓					✓#	✓	✓	✓	✓	✓
Pure Type II			✓		✓	✓	✓		✓*		✓	✓	✓	✓
RO Type III									✓*				✓	✓
Impurities to remove														
Nucleases	✓	✓	✓	✓	✓	✓				✓◊	✓	✓	✓	
Endotoxins/Pyrogens	✓	✓◊	✓◊	✓~	✓◊	✓◊			✓#		✓◊	✓~	✓~	✓~
Inorganics	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Organics	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Bacteria	✓	✓	✓	✓	✓	✓	✓	✓	✓Δ	✓	✓	✓	✓	✓~
Particulates	✓	✓	✓	✓	✓	✓	✓	✓	✓Δ	✓Δ	✓~	✓	✓	✓~
Features														
PureSure®	✓	✓		✓										
Real time TOC monitoring	✓	✓	✓	✓						✓	✓	✓		
Potable tap water			✓		✓	✓	✓	✓			✓	✓	✓	✓
Wall mounting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floor mounting	✓	✓	✓	✓	✓	✓	✓	✓						
Purity monitoring to POU	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓
Halo Dispense compatible	✓	✓	✓	✓	✓	✓								
Remote Dispense Compatible	✓	✓	✓	✓	✓	✓							✓	✓
Auto Volume Dispense	✓†	✓†	✓†	✓	✓†	✓†			✓	✓	✓	✓	✓	✓
Variable flow rate dispense	✓†	✓†	✓†	✓	✓†	✓†			✓	✓	✓	✓		
Drop-by-drop control	✓†	✓†	✓†	✓	✓†	✓†			✓	✓	✓	✓		
Locked dispense	✓†	✓†	✓†	✓	✓†	✓†			✓	✓	✓	✓	✓	✓
USB connection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Full product validation*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Hg free	✓***	✓***												

With DI cartridge * No DI cartridge ◊ With LC197 POU filter Δ With LC134/145 POU filter ~ 0.2mm
† When fitted with a Halo dispenser solution
** Full product validation needs to be purchased separately. ✓
*** Dependent on model

Find your product



	Chorus 1				Chorus 2 & 3				PURELAB flex				Quest	
													Quest	
	Life Science	Analytical Research	1 Complete with TOC	Pharma Compliance	2+ (RO/EDI/UV)	2+ (RO/DI/UV)	2 (RO/DI)	3 (RO)	flex 1	flex 2	flex 3	flex 3+	UV	Non UV
Ideal solution for Systems also have wider applicability. Speak to your local ELGA specialist for further information.														
Cell culture	✓		✓							✓[Δ]	✓[Δ]	✓[~]	✓[~]	✓[~]
Liquid Chromatography (HPLC, UHPLC)	✓	✓	✓							✓	✓	✓	✓	
Microbiological Analysis	✓	✓	✓							✓	✓	✓	✓	
Genetic (PCR, DNA/RNA sequencing, DNA, Nucleic acid)	✓													
Gas Chromatography		✓	✓							✓	✓	✓	✓	
Electrochemistry		✓	✓		✓	✓				✓	✓	✓	✓	
Immunochemistry	✓		✓							✓	✓	✓	✓	
Atomic Spectroscopy (Flame AA, GFAA, ICP-AE)		✓	✓							✓	✓	✓	✓	✓
Mass Spectrometry (ICP-MS, GC-MS, LC-MS)	✓	✓	✓							✓	✓	✓	✓	
General lab water requirement (glassware washing, heating baths, autoclave filling)			✓				✓	✓	✓		✓	✓	✓	✓
Spectrophotometry (inc. UV, IR, near UV, nearIR)			✓		✓	✓				✓	✓	✓	✓	
Feed to ultrapure water system					✓	✓	✓	✓						
Media/buffer preparation (inc pH solution)					✓	✓	✓						✓	✓
General chemistry (inc Titrimetry)			✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Product Part Numbers

PURELAB Quest Part Number	Description
PQDIXXM1	PURELAB Quest with starter pack
PQDIUVM1	PURELAB Quest UV with starter pack



PURELAB flex Part Number	Description
PF1-M3	PURELAB flex 1 (optional Purification Pack)
PF2-M3	PURELAB flex 2 (Purification Pack + UV + TOC)
PF3-M3	PURELAB flex 3
PF3+-M3	PURELAB flex 3+



PURELAB Chorus 1 Part Number	Description
PC1ANRXM2	PURELAB Chorus 1 Analytical Research Ultrapure System
PC1ANRXM2-XE	PURELAB Chorus 1 Analytical Research Ultrapure System - Xenon UV
PC1LSCXM2	PURELAB Chorus 1 Life Science Ultrapure System
PC1LSCXM2-XE	PURELAB Chorus 1 Life Science Ultrapure System - Xenon UV



PURELAB Chorus 1 Complete Part Number	Description
PC120COBPM1-TOC	PURELAB Chorus 1 Complete with TOC (20L/hr with Boost Pump)



PURELAB Pharma Compliance Part Number	Description	Dispenser
VCLSDM1	PURELAB Pharma Compliance	1x Halo
VCLSDM1-D1	PURELAB Pharma Compliance with 1x Dispenser	1x Halo, 1x Dispenser
VCLSDM1-D2	PURELAB Pharma Compliance with 2x Dispenser	1x Halo, 2x Dispenser
VCLSDM1-D3	PURELAB Pharma Compliance with 3x Dispenser	1x Halo, 3x Dispenser



PURELAB Chorus 2+ RO/EDI/UV Part Number	Description
PC210EUXXM1	PURELAB Chorus 2+ RO/EDI/UV 10 l/hr System
PC210EUBPM1	PURELAB Chorus 2+ RO/EDI/UV 10 l/hr System with Boost Pump
PC220EUBPM1	PURELAB Chorus 2+ RO/EDI/UV 20 l/hr System with Boost Pump



PURELAB Chorus 2+ RO/DI/UV Part Number	Description
PC210DUXXM1	PURELAB Chorus 2+ RO/DI/UV 10 l/hr System
PC210DUBPM1	PURELAB Chorus 2+ RO/DI/UV 10 l/hr System with Boost Pump
PC220DUBPM1	PURELAB Chorus 2+ RO/DI/UV 20 l/hr System with Boost Pump



PURELAB Chorus 2 RO/DI Part Number	Description
PC210DIXXM3	PURELAB Chorus 2 RO/DI 10 l/hr System
PC210DIBPM3	PURELAB Chorus 2 RO/DI 10 l/hr System with Boost Pump
PC220DIBPM3	PURELAB Chorus 2 RO/DI 20 l/hr System with Boost Pump



Product Part Numbers

PURELAB Chorus 3 Part Number	Description
RO310XXM3	PURELAB Chorus 3 RO 10 l/hr
RO310BPM3	PURELAB Chorus 3 RO 10 l/hr with Boost Pump
RO320BPM3	PURELAB Chorus 3 RO 20 l/hr with Boost Pump
RO330BPM3	PURELAB Chorus 3 RO 30 l/hr with Boost Pump



PURELAB Chorus Reservoirs Part Number	Description
LA757	15 Litre Reservoir
LA758	30 Litre Reservoir
LA759	60 Litre Reservoir
LA760	100 Litre Reservoir



PURELAB Dispenser Part Number	Description
LA824	PURELAB Dispenser Installation Kit
LA827	(Worktop) Bench Mounting Bracket Kit
LC134	Point-Of-Use 0.2µm Filter (POU). Recommended Change: 3 months
LC145	Point-Of-Use 0.2µm Filter (POU). Recommended Change: 3 months
LC197	Point-Of-Use Bio Filter (POU). Recommended Change: 3 months
POWE40855	Power Supply



PURELAB Chorus Halo Dispensers Part Number	Description
LA754	Halo Dispenser
LA755	Advanced Halo Dispenser
LA756	Flexible Dispenser





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