



eVOQUA
WATER TECHNOLOGIES



PURELAB Quest® Systems

RELIABLE AND ECONOMICAL LABORATORY WATER PURIFICATION

PURELAB Quest® is an economical water purification system that enables you to do more with less. This entry level system features advanced technology with a compact footprint and intuitive interface for simple operation.

PURELAB Quest is suited for a wide range of low volume lab applications for all types of water. See the chart below for specific applications by water type.

TYPICAL APPLICATIONS¹

TYPE I

- Analytical Chemistry e.g HPLC/IC
- Chromatography
- Clinical Biochemistry
- Immunohistochemistry
- Mammalian/bacterial cell culture applications
- Microbiology
- Molecular Biology e.g DNA
- Spectrophotometry

TYPE II

- Buffer & media prep
- Electrochemistry
- Histology
- Molecular Biology
- pH Solutions

TYPE III

- Autoclave feeds
- General Laboratory Water
- Glassware rinsing
- Hydroponics Stability Chambers



¹ASTM standard Type 1C reagent water specification

PRODUCT WATER SPECIFICATIONS

	TYPE I	TYPE II	TYPE III
Resistivity:	18.2 MΩ.cm @ 25°C	>1MΩ.cm @ 25°C	
Flow rate:	Up to 1.2 l/min		
Recommended volume:	Up to 10l/day ¹	Up to 10l/day ¹	Up to 30l/day
TOC value:	< 5 ppb ²	<50 ppb	<200 ppb ³
Bacteria TVC:	<0.1cfu/ml ⁴	<100 cfu/ml	<1000 cfu/ml ³
Endotoxin:	<0.001EU/ml ⁵		
RNases:	<1pg/ml ⁶		
DNases:	<5pg/ml ⁶		
Particulates:	0.2µm filtration ⁴		
Ionic rejection:			>96% ⁷
Particulates & Bacteria rejection:			>99%
Organic rejection (MW >200Da):			>99%
Make up flow rate:			10l/hr ⁷
Conductivity:			<20 µS/cm ³
pH	Effectively Neutral		

¹ Available Volume of Type I & II water, combined; increased use will reduce purification pack life; ² TOC value for non-UV variant is 30 ppb;

³ Subject to suitable feedwater purity (see ionic rejection) and system maintenance; ⁴ When using point of use filters LC134/LC145/LC197;

⁵ When using LC197; ⁶ RNase and DNase value is not applicable for non-UV variant; ⁷ With feedwater pressure at > 4 bar and temperature at 15°C

PRODUCT COMPARISON

	PURELAB Quest	PURELAB Flex	PURELAB Chorus 1 Complete
Ultrapure (Type I) Per Day	Up to 10 l	Up to 10 l	Up to 480 l
Pure (Type II) Water Per Day (measured)	Up to 10 l	×	×
RO Permeate Water (Type III) Per Day	Up to 30 l with External Reservoir	×	×
Real Time TOC Monitoring	×	✓	×
Validation Support	×	✓	✓
Dispense Flow Rate (L/min)	Up to 1.2	Up to 2	Up to 2
Varying Dispense Flow	×*	✓	×*
Ability to Connect to Remote Dispenser	✓	×	✓
Locked Dispense	×*	✓	×*
Fixed Dispense Point (Type I)	✓	×	✓*
Foot Control Dispense	×	✓	✓
Refill Level of Reservoir Set by User	×	✓	✓

* Unless with remote dispenser



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