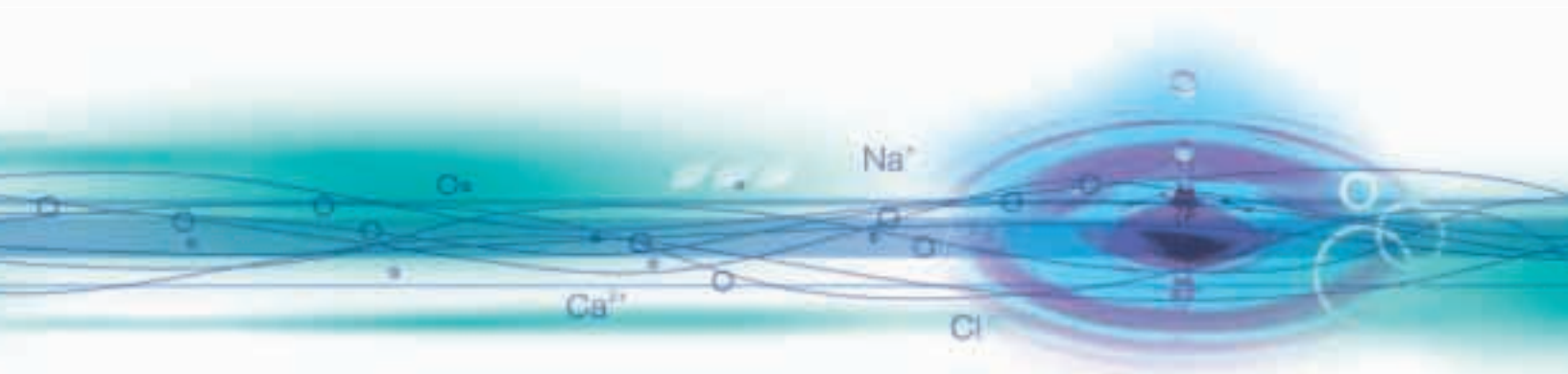




PURELAB® Classic

Ultra-Pure Water Polisher



PURELAB Classic – High purity water... economically

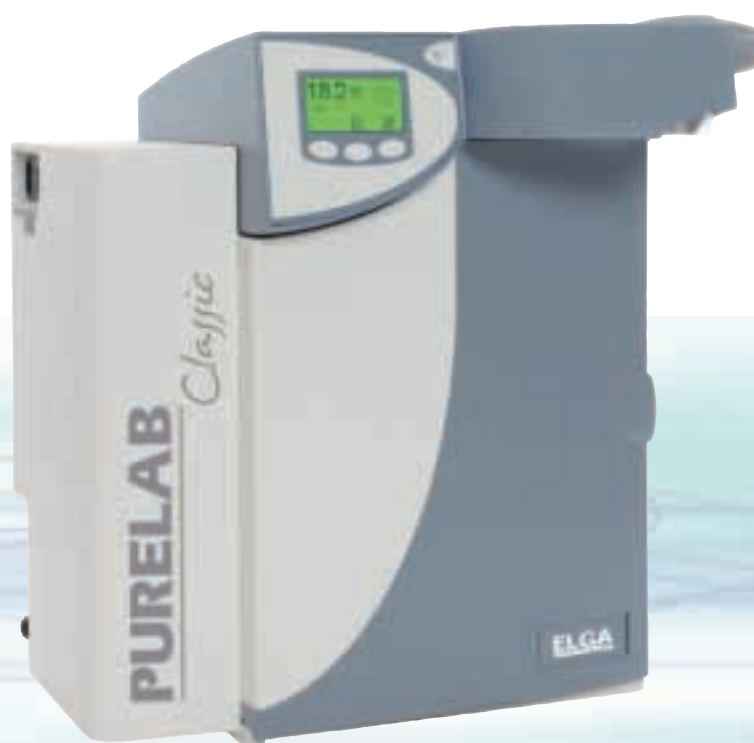
The PURELAB Classic polisher system combines high performance with economy to deliver 18.2MΩ-cm water* at a very cost-effective price. You can choose from four models in the range to meet your specific applications. Each model incorporates microprocessor-controlled system management for consistent and reliable operation, and is capable of dispensing up to 1.5 liters per minute.

*Conforms to Type 1 ASTM and CLSI standards

The PURELAB Classic Range

| PURELAB Classic model | Classic DI | Classic UV | Classic UF | Classic UVF |
|------------------------------------|------------|------------|--------------|--------------|
| Water Purity | | | | |
| Resistivity at 25°C | 18.2 MΩ-cm | 18.2 MΩ-cm | 18.2 MΩ-cm | 18.2 MΩ-cm |
| TOC (RO pretreatment) | 3 – 10 ppb | 1 – 3 ppb | 3 – 10 ppb | 1 – 3 ppb |
| Bacteria ¹ | <1 CFU/ml | <1 CFU/ml | <1 CFU/ml | <1 CFU/ml |
| Bacterial endotoxin | – | – | <0.001 EU/ml | <0.001 EU/ml |
| Purification Technologies | | | | |
| Purification cartridge | ✓ | ✓ | ✓ | ✓ |
| Photo oxidation 185nm | | ✓ | | ✓ |
| Ultrafilter | | | ✓ | ✓ |
| 0.2µm optional point-of-use filter | ✓ | ✓ | ✓ | ✓ |
| Recirculation | ✓ | ✓ | ✓ | ✓ |

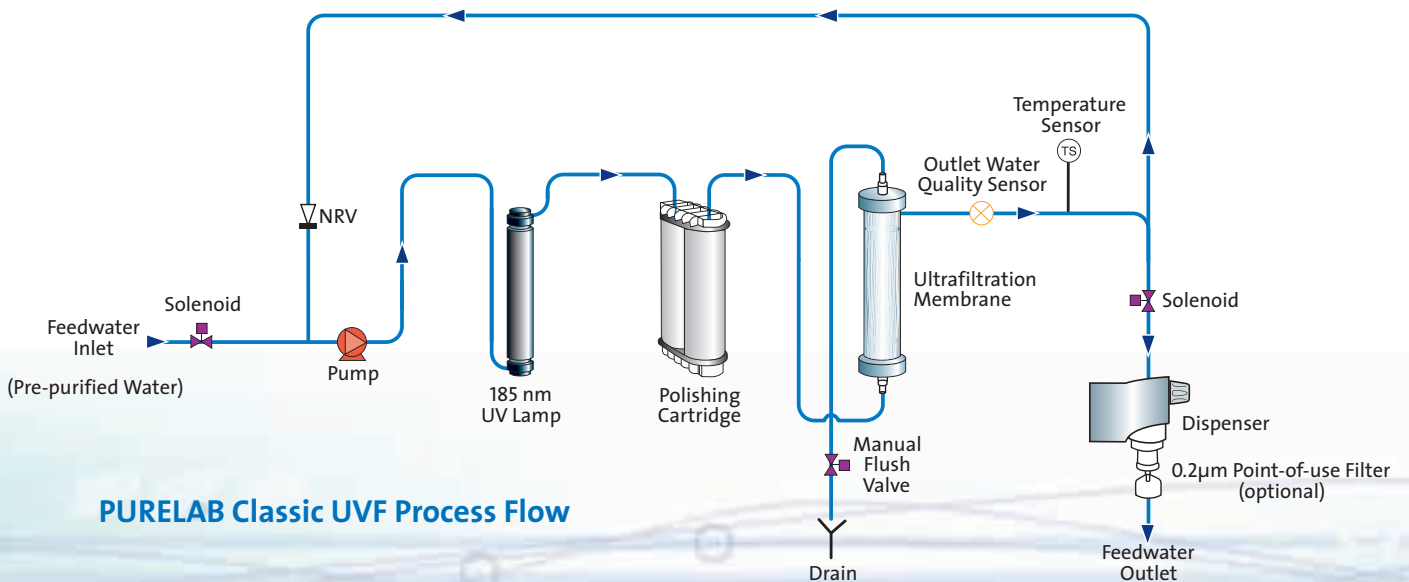
¹With POU filter



PURELAB Classic

The features and benefits

- **Water quality monitoring** at a glance via the easy to read electronic display
- **Automatic intermittent recirculation** to maintain high purity water with a low bacterial specification
- **Audio-visual alarms** for total peace of mind
- **PIN coded access** to software set points to prevent unauthorized changes to operation or system settings
- **Consumable change reminders** to prevent a drop in water quality
- **Adjustable dispensing with a flow rate of up to 1.5 liters per minute**
- **Cartridge identification technology** provides full traceability and history of each cartridge for GLP and other validation requirements
- **Easy maintenance** with direct access to consumables via user friendly service doors
- **System sanitization** to minimize microbial growth
- **Space saving in design** with a variety of positioning options. The PURELAB Classic can be mounted on a wall or under a bench
- **Remote display and dispensing options.** The PURELAB Classic is available with a remote dispenser and display to save space on the bench-top or to facilitate extended dispensing



Technical Specifications

| PURELAB Classic model | Classic DI | Classic UV | Classic UF | Classic UVF |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|
| Performance Specifications | | | | |
| Inorganics at 25°C | 18.2 MΩ-cm | 18.2 MΩ-cm | 18.2 MΩ-cm | 18.2 MΩ-cm |
| TOC (RO pretreatment) | 3 – 10 ppb | 1 – 3 ppb | 3 – 10 ppb | 1 – 3 ppb |
| Bacteria ¹ | <1 CFU/ml | <1 CFU/ml | <1 CFU/ml | <1 CFU/ml |
| Bacterial Endotoxin | – | – | <0.001 EU/ml | <0.001 EU/ml |
| pH | Effectively neutral | Effectively neutral | Effectively neutral | Effectively neutral |
| Product Specifications | | | | |
| Weight (Ex purification pack) | 14.0 kg | 14.5 kg | 14.5 kg | 15.0 kg |
| Dimensions | Height: 490mm Width: 410mm Depth: 365mm | | | |
| Operational Mode Displays | Power on, process on, recirculation, sanitization | | | |
| Safety features | Power fail-safe, low feed shut-off, audio-visual alarms, PIN coded system settings, dispense shut-off during disinfection, auto-restart | | | |
| System Monitoring | Product water purity (MΩ-cm or µS/cm), product water temperature (°C), consumable change reminders, date and time | | | |
| Dispense Flows | Variable to 1.5 liters per minute | | | |
| Capacity to 18 MΩ-cm | 45000 Liters >18 MΩ-cm µS/cm at pH 7.0 | | | |
| Capacity to 1 MΩ-cm | 70000 Liters >1.0 MΩ-cm µS/cm at pH 7.0 | | | |
| Feedwater Specifications | | | | |
| Source | Designed to polish RO permeate, deionized, SDI or distilled feedwater (ELGA recommends the use of a PURELAB Prima or PURELAB Option system) | | | |
| Maximum FI | <1 (0.2 micron membrane prefilter is required for all non-RO feeds) | | | |
| 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 | Filtration down to 0.2 micron advisable to protect internal and/or point-of-use filters | | | |
| Temperature | 1-35°C | | | |
| Pressure Maximum | 0.7 bar (10 psi) | | | |
| Pressure Minimum | 0.01 bar (1 psi) or flooded suction to the recirculation pump | | | |

¹ With POU filter

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