

PURELAB[®] Pharma Dispenser



Operator Manual
MANU41444 Version 1 07/23

Product No. LA837

Contents

	Quick Start Guide	Page 1 - 11
1.	Operator Manual Introduction	Page 12
1.1	Health and Safety	Page 12
1.2	Product Model	Page 12
1.3	Use of this Manual	Page 12
1.4	Installation	Page 12
1.5	Environment	Page 12
1.6	Commissioning	Page 12
1.7	Customer Support	Page 12
2.	Guide to Your PURELAB Pharma Dispenser	Page 13
3.	Main Display Settings and Buttons Operations	Page 14 - 23
4.	Product Consumables and Accessories	Page 24
5.	Register Your Product	Page 25
6.	Quick Reference Guide	Page 26 - 27
6.1	Manual Dispense	Page 26
6.2	Continuous Dispense	Page 26
6.3	Auto Volume Dispense	Page 26
6.4	Deactivating Auto Volume Dispense	Page 27
6.5	ON / OFF, Menu and Accept	Page 27
7.0	Maintenance	Page 28
7.1	Replacing the LC134 or LC145 or LC197 Point-of-Use Filters	Page 28
8.0	Troubleshooting	Page 29
9.0	Technical Specifications	Page 30
10.	Warranty / Conditions of Sale	Page 31

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Welcome

Thank you for purchasing the PURELAB Pharma Dispenser.

PURELAB Pharma Dispenser is a dispensing accessory for the PURELAB Pharma Compliance which purifies pre-treated RO, SDI or distilled feed water into type 1 quality water, digitally tracking and recording the purified water output to comply with the Food and Drug Administration part 11 of title 21 code of Federal Regulations for electronic records and electronic signatures (21 CFR Part 11) and European Commission (EU GMP Annex 11) for Life Science professionals. All actions and dispensing from PURELAB Pharma Dispenser will be recorded via the PURELAB Pharma Compliance integrated software application.



Please read the Health and Safety notices in this Quick Start Guide before proceeding with the installation, failure to observe these instructions could result in damage to the equipment and associated equipment resulting injury or death.

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Quick Start Guide - Health and Safety Notes

Please follow the health and safety information detailed below for this Quick Start Guide and Operator Manual.



WARNING!

WARNINGS ARE GIVEN WHERE FAILING TO OBSERVE THE INSTRUCTIONS COULD RESULT IN INJURY OR FATALITY.



Cautions!

Cautions are given where failure to observe the instructions could result in damage to the equipment, associated equipment and processes.

Environment and Positioning



Caution!

Clean dry indoor. Temp 5°C-40°C. Humidity max 80%, non-condensing.



Caution!

PURELAB Pharma Dispenser is not designed for use in fume cupboards where chemicals could damage the product.



Caution!

Installed on a flat level worktop, PURELAB Pharma Dispenser can also be securely fitted to a worktop using the LA827 worktop mounting bracket kit, please see Quick Start Guide section 2 for more details.

Electricity

The appliance coupler (mains lead) or power supply connected to the rear of the unit can be removed to isolate the power supply. If access to this is restricted then it is recommended that access to the mains socket is easily available to disconnect the power supply.



Do not connect directly to a pressurised water supply (potable or pretreated). PURELAB Pharma Dispenser must be connected to the PURELAB Pharma Compliance, failure to do so could result in damage to the equipment.



WARNING!

ONLY USE THE APPLIANCE COUPLER (MAINS LEAD) AND POWER SUPPLY PROVIDED, USE OF THESE WILL ENSURE ADEQUATE EARTH PROTECTION. DISCONNECT ELECTRICAL MAINS POWER SUPPLY BEFORE ANY MAINTENANCE WORK IS STARTED. IF THE EQUIPMENT IS USED IN A MANNER NOT SPECIFIED BY ELGA VEOLIA, THE PROTECTION PROVIDED BY THE EQUIPMENT MAY BE IMPAIRED.



WARNING!

ALWAYS ENSURE THAT THE ELECTRICAL MAINS POWER SUPPLY CANNOT COME INTO CONTACT WITH WATER.

Personal Protective Equipment (PPE)



WARNING!

MAINTENANCE MUST BE CARRIED OUT WITH PROPER PROTECTIVE EQUIPMENT THAT INCLUDES STERILE LATEX - NITRILE GLOVES CAT 3 AND SAFETY GLASSES WHERE APPROPRIATE.

Control of Substances Hazardous to Health (COSHH)

Note: Ensure the consumables are disposed of in accordance with local regulations.

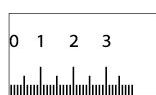
Items Not Supplied



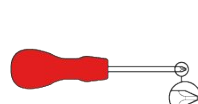
Lab Coat



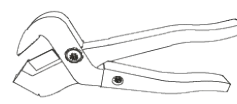
Goggles



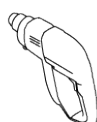
Tape Rule



Phillips Screwdriver



TOTOGU0505 Tube Cutter



Drill



Ø3mm Drill Bit



TOTOGU1605 Tube Keys



POWE40855 or POWE40855-US
(Additional Power Supply if required)

Supplied LA826 Installation Kit		
Part Number	Description	Qty
LEAD40029	5M COMMS Crossover Cable	1X
LEAD40175	5M External Power Cable	1X
LABL41322	Dispenser Handset Label TYPE 1	1X
TUBE31957-02	10M Tube HIPURE 8MM OD Tubing	1X
FTBEAC0505	Flow Bend Clip-on JG 5/16"	10X

Item Not Supplied Optional LA827 Worktop Mounting Kit		
Part Number	Description	Qty
BRAC41311	Stainless Steel Bracket	1X
FACPGU353630	Cap M5 X 4.8mm White	2X
FSCYN202157	8XI 1/2 Round Pozi Wood Screw	2X
FXSCYO202147	Pozi M5 X 12mm Screw	2X
FXWAY0330423	Washer M5 Unicap White	2X

Quick Start Guide - System Configurations

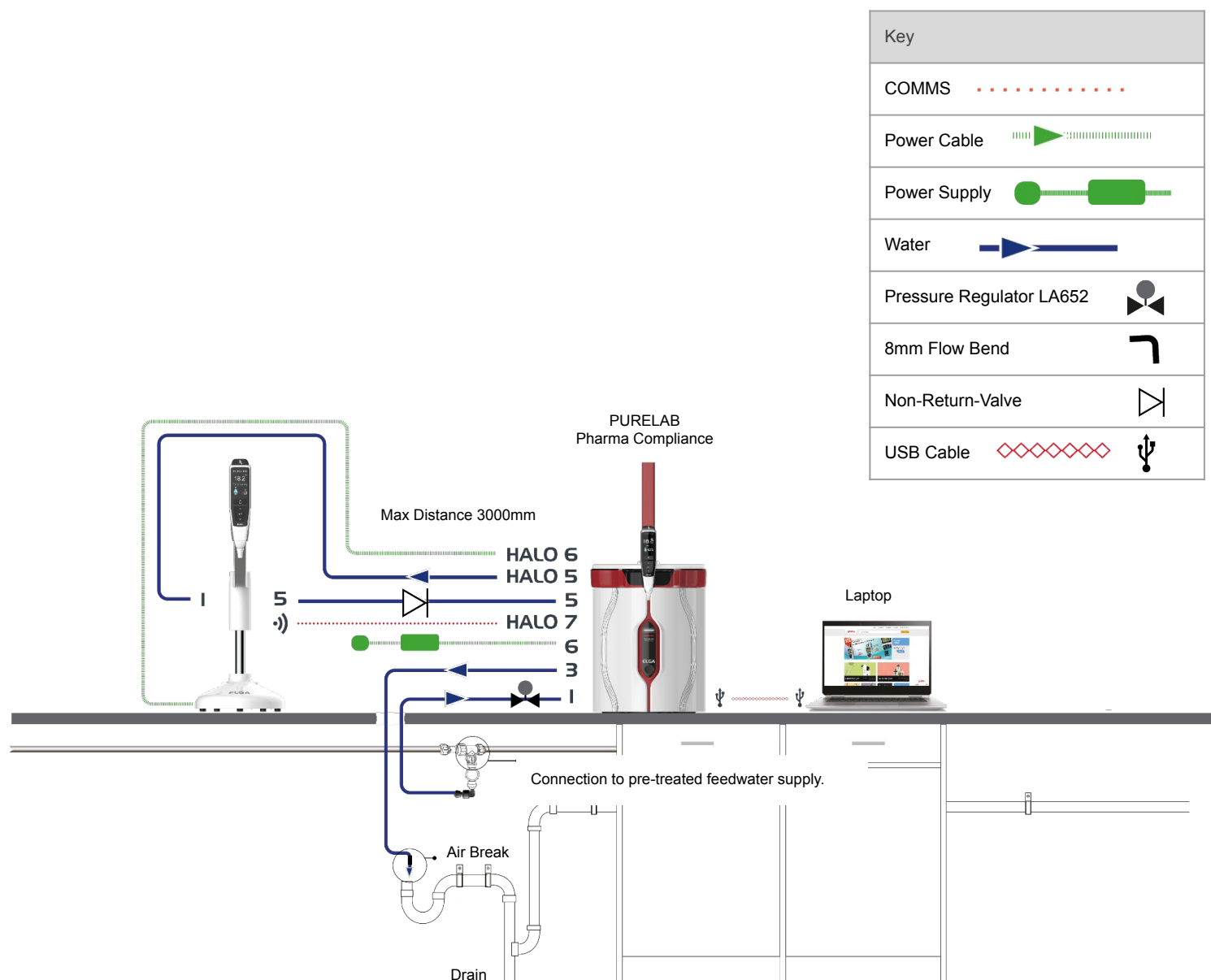
Example 1: 1 X PURELAB Pharma Compliance - 1 X LA837 PURELAB Pharma Dispenser

Pre-treated RO, SDI or distilled feed water is feeding a PURELAB Pharma Compliance to produce Ultrapure Type 1 quality water.

New system configuration:

1. Open the pressure regulator to 0.7bar PURELAB Pharma Compliance port 1: Feed water inlet and continue to commission.
2. PURELAB Pharma Compliance is set in pre-commissioning mode and will automatically direct water to drain during this procedure.

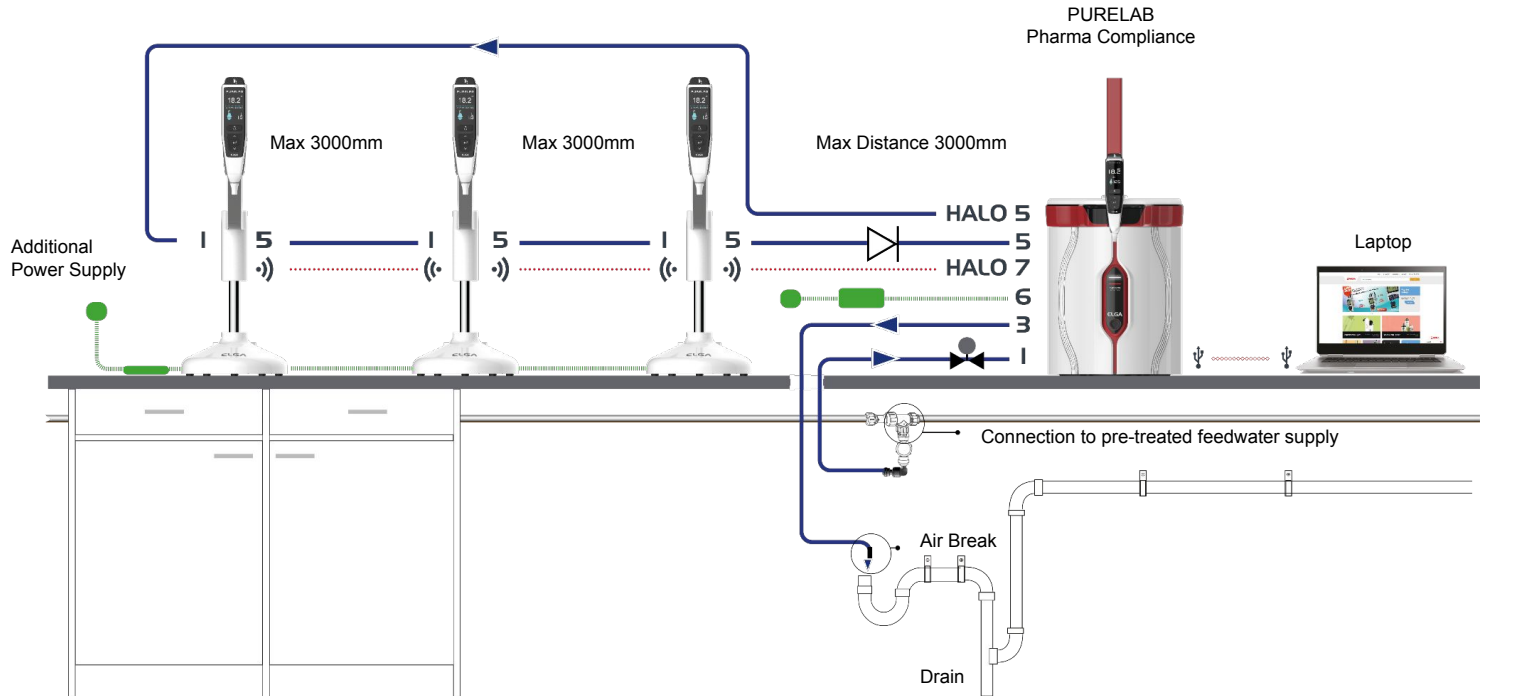
Please follow the commissioning procedure instructions in the PURELAB Pharma compliance operator manual.



Quick Start Guide - System Configurations

Example 2: 1 X PURELAB Pharma Compliance - 2 or 3 X LA837 PURELAB Pharma Dispensers

Pre-treated RO, SDI or distilled feed water is feeding a PURELAB Pharma Compliance to produce Ultrapure Type 1 quality water.



* An additional POWE40855 or POWE40855-US supply will be required for this configuration. LA837 only comes with a 5M External Power Cable LEAD4017.

Quick Start Guide - Set Up

1. ASSEMBLING AND POSITIONING PURELAB Pharma Dispenser

PURELAB Pharma Dispenser should be installed on a flat level surface in a clean dry environment (recommend 15 - 25 °C). It can be fixed to a wooden or composite worktop using the LA827 Dispenser Worktop Mounting Bracket Kit, see Quick Start Guide Section 2 for more details.



Fig.1

a. Insert the handset set into the cradle as shown. (Fig.1)



Fig.2

b. Rotate the handset arm. (Fig.2)

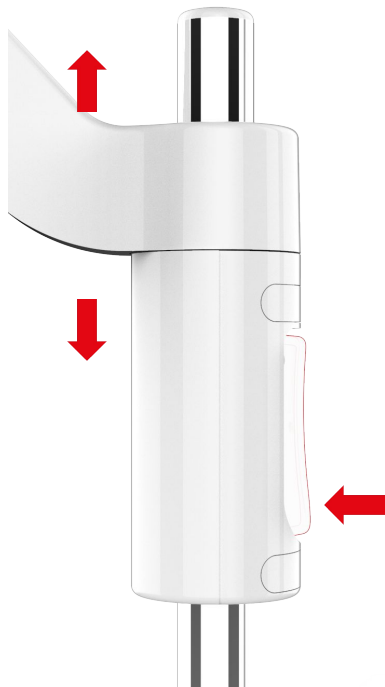


Fig.3

c. Press and hold the height adjustment button to slide the handset arm up and down. (Fig.3)

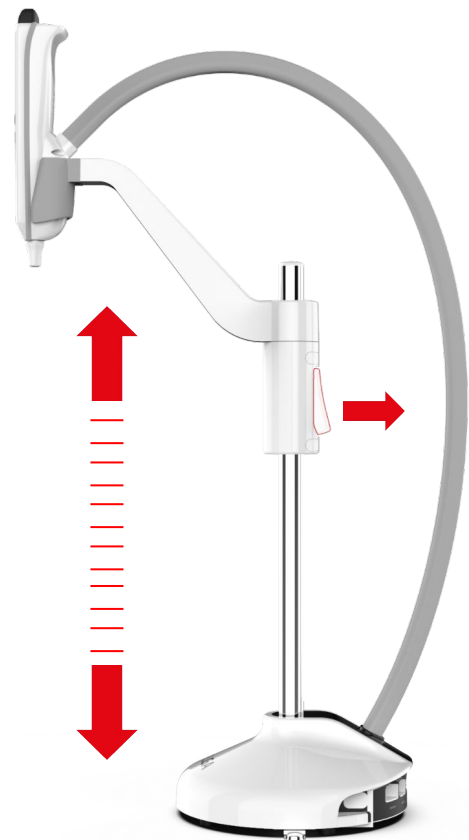


Fig.4

d. When you have found the perfect height, release the height adjustment button to lock into position. (Fig.4)

Quick Start Guide - Set Up

2. LA827 OPTIONAL DISPENSER WORKTOP MOUNTING BRACKET

This is an optional attachment which can be purchased separately. (Fig.5)

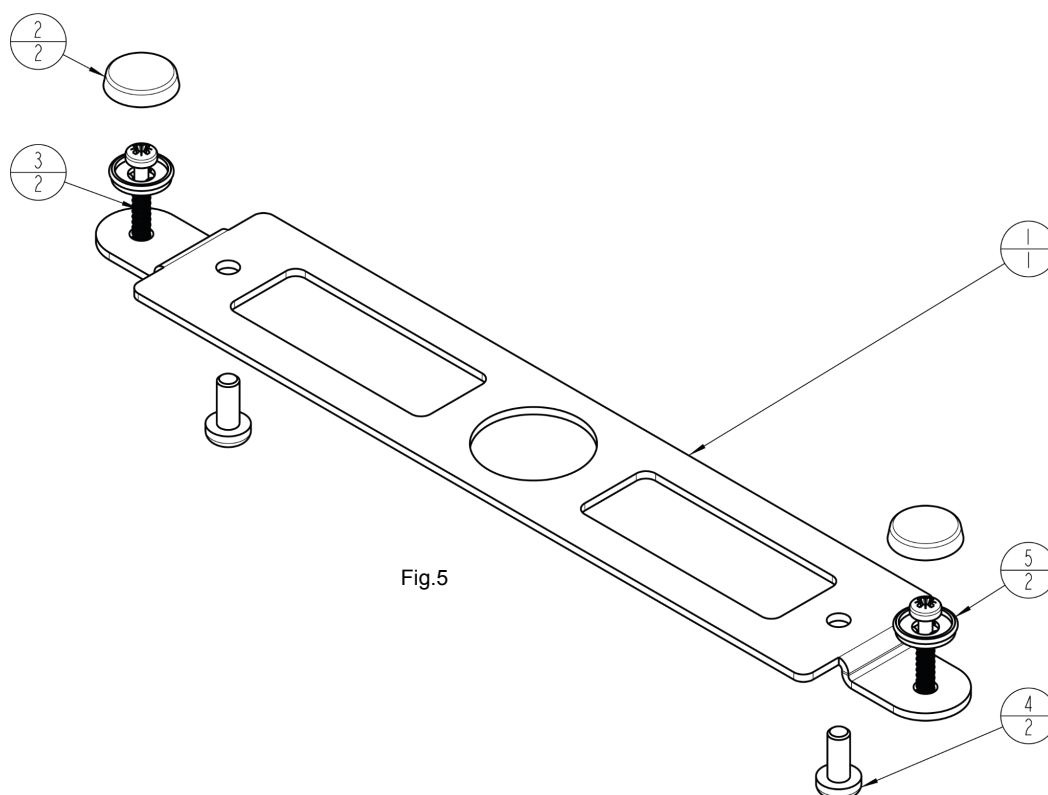


Fig.5

LA827 Dispenser Worktop Mounting Bracket Kit

Part Number		Description	Qty
1	BRAC41311	Stainless Steel Bracket	1X
2	FACPGU353630	Cap M5 X 4.8mm White	2X
3	FSCYN202157	8X1 1/2 Round Pozi Wood Screw	2X
4	FXSCYO202147	Pozi M5 X 12mm Screw	2X
5	FXWAY0330423	Washer M5 Unicap White	2X



Caution!

Please read the health and safety notices in the front of the Quick Start Guide before proceeding with this installation.



Caution!

This bracket is only suitable for wood / composite worktop.

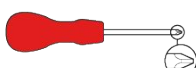
Required Tools and PPE - Items Not Supplied



Lab Coat
Drill



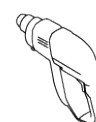
Goggles



Phillips Screwdriver



Ø3mm Drill Bit



Quick Start Guide - Set Up

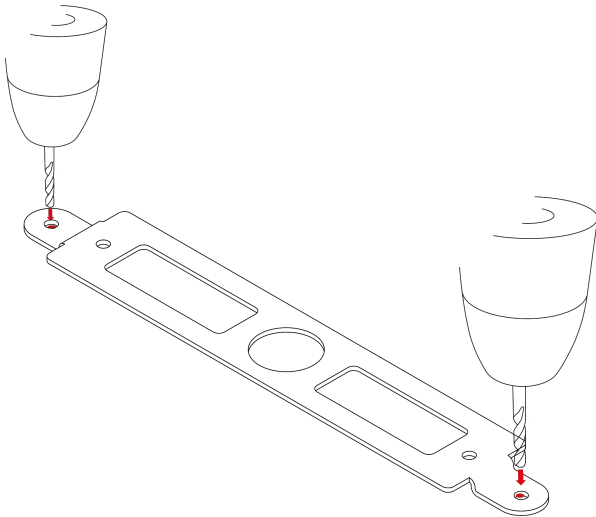


Fig.6

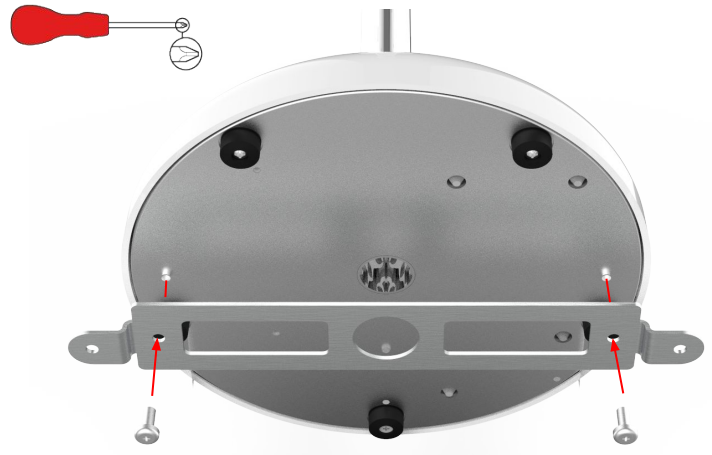


Fig.7

a. Mark and drill two holes into the wooden / composite worktop to a depth of 30mm using an Ø3mm pilot drill bit. (Fig.6)

b. Reassemble the mounting bracket back onto the base as shown above. (Fig.7)

Note: Check there are no electrical cables or pipework underneath the worktop just incase you go all the way through with the pilot bit.



Fig.8

c. Insert the fixing screws into the screw cap washers. (Fig.8)

d. Fix the screws into the pre drilled holes and push the screw caps over the screw heads. (Fig.8)

This worktop mounting bracket installation is now complete.

Quick Start Guide - Set Up

3. CONNECT THE WATER INLET

Please refer to your system configuration for connecting to the PURELAB Pharma Compliance.

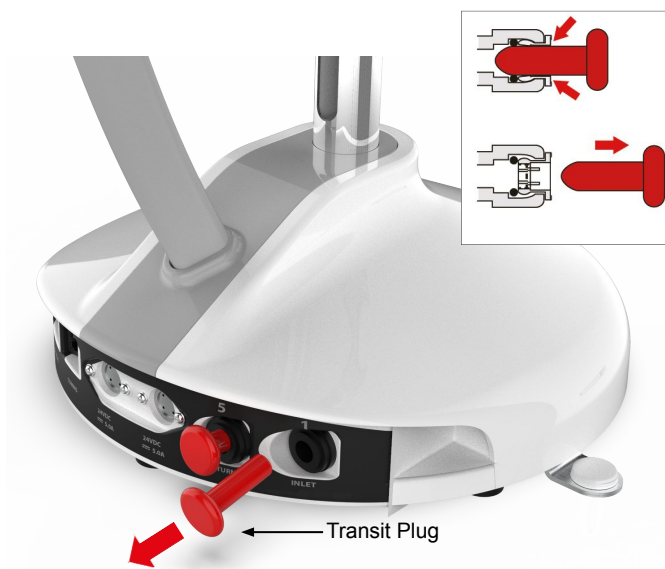


Fig.9

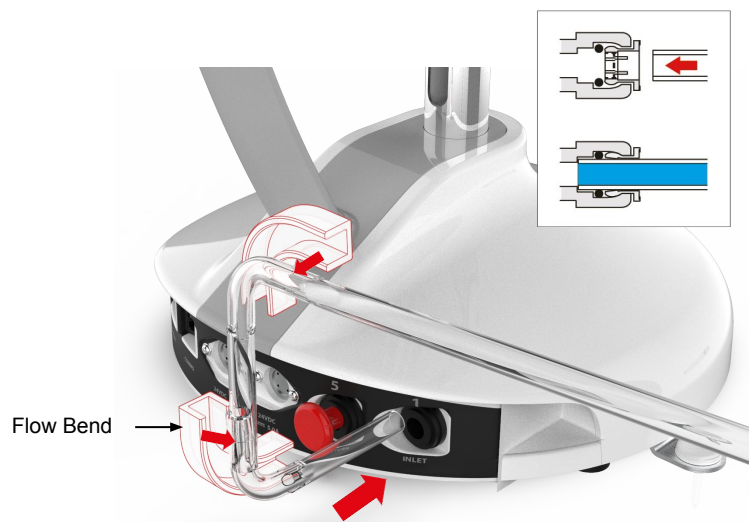


Fig.10

a. Remove the transit plug from Port 1 water inlet connection. (Fig.9)

b. Using the tube supplied, firmly push one end securely into Port 1 inlet connection. Use the flow bends provided to mould the tube into position. (Fig.10)

4. CONNECT THE WATER RETURN

Please refer to your system configuration for connecting to the PURELAB Pharma Compliance.



Fig.11



Fig.12

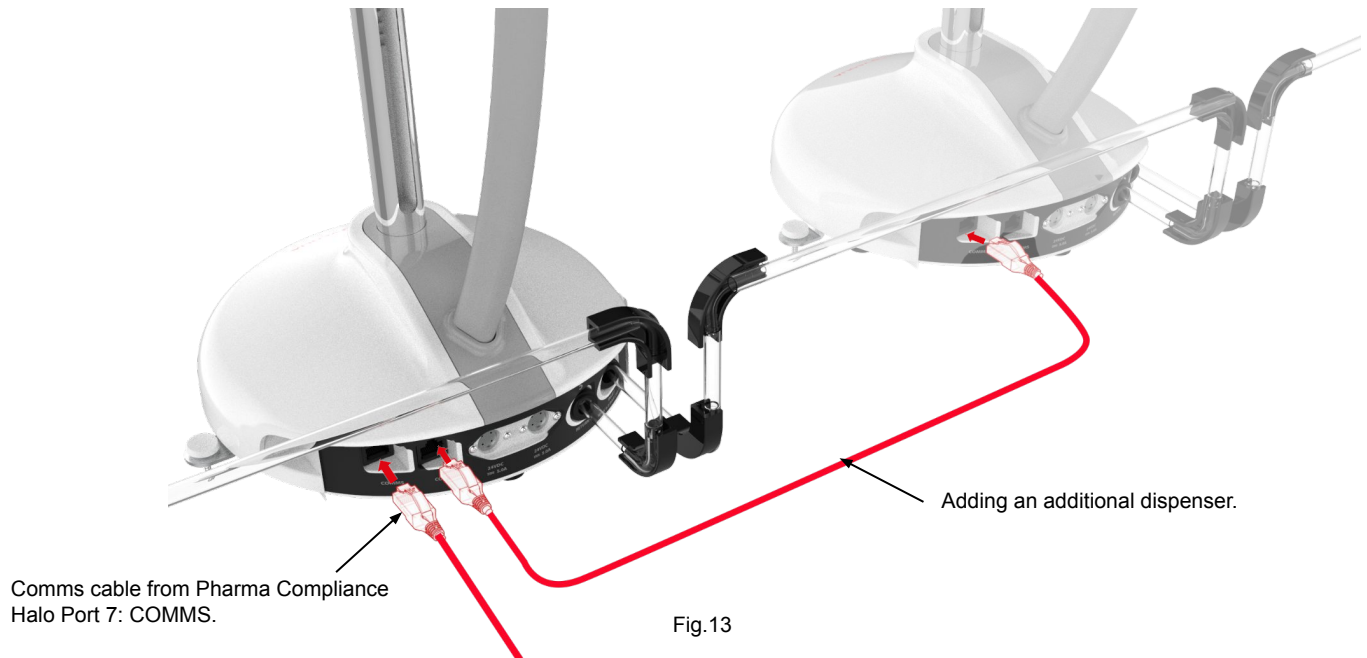
a. Remove the transit plug from Port 5 water Return connection. (Fig.11)

b. Using the tube supplied, firmly push one end securely into Port 5 Return connection. Use the flow bends provided to mould the tube into position. (Fig.12)

Quick Start Guide - Set Up

5. CONNECT THE COMMUNICATION CABLE

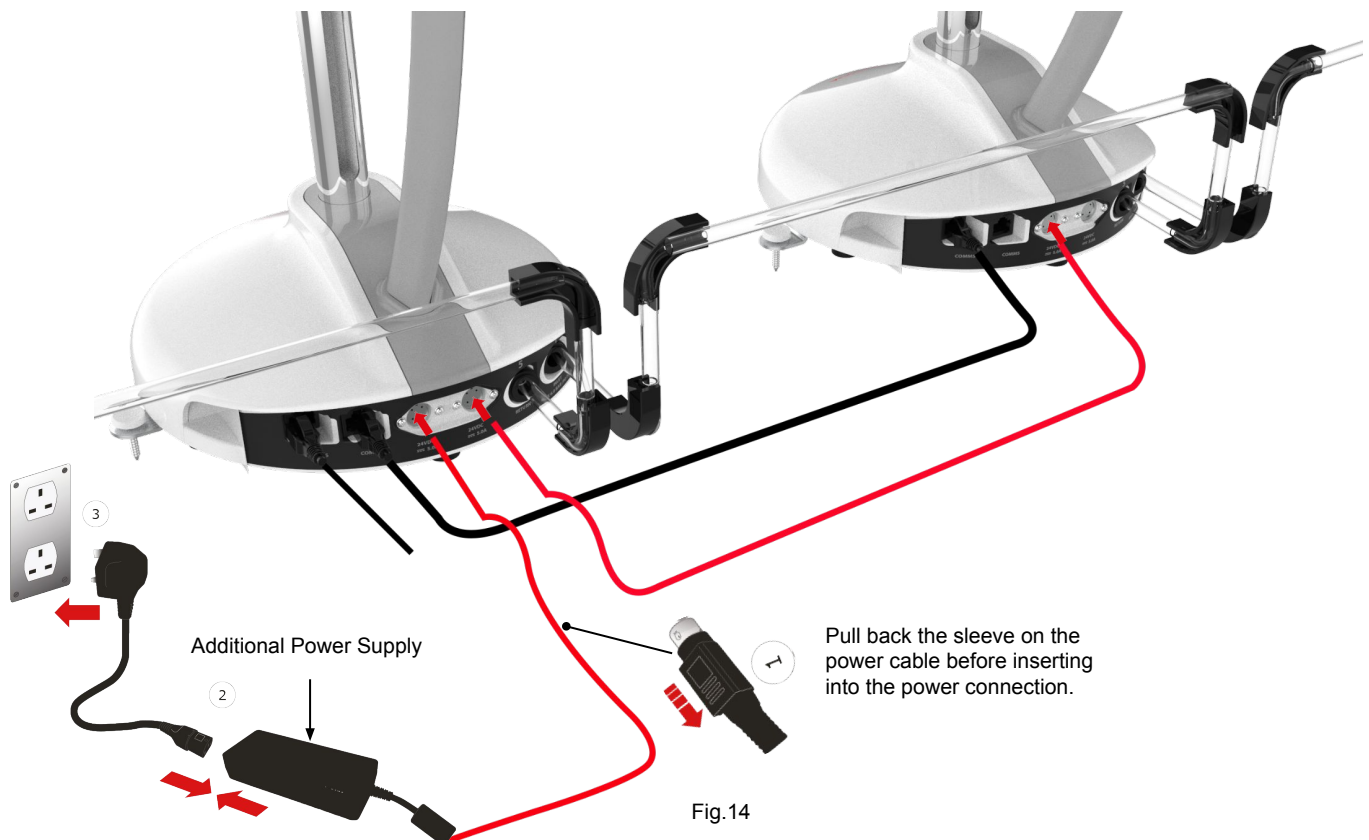
Please refer to your system configuration for connecting to the PURELAB Pharma Compliance.



- a. Link the comms cables as shown above, connections may vary depending on your system configuration. (Fig.13)

6. CONNECT THE POWER CABLE

Please refer to your system configuration for connecting to the PURELAB Pharma Compliance.



- a. Link the power cables and power supply as shown above, connections may vary depending on your system configuration. (Fig.14)

Quick Start Guide - Set Up

7. FOLLOW THE ONSCREEN INSTRUCTIONS

New system configuration:

1. Once the LA837 is connected open the pressure regulator to 0.7bar on the PURELAB Pharma Compliance port 1: Feed water inlet and continue to commission the new system configuration.
2. PURELAB Pharma Compliance VCLSDM is set in pre-commissioning mode and will automatically direct water to drain during this procedure. Please follow the commissioning procedure instructions in the PURELAB Pharma Compliance operator manual.

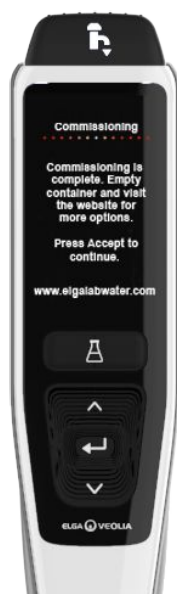


Fig.15

Attach the LABL41322
Type 1 label here.



Fig.16

Existing system configuration:

1. Power off your VCLSDM Pharma Compliance at the mains plug socket disconnecting the power supply, connect the LA837 Pharma Dispenser as described in this quick start guide following the system configuration examples provided.
2. Once connected, power on and login to the application, please wait for full purity to be displayed on the LA837 handset.

1. Operator Manual Introduction

1.1 Health & Safety

Please ensure you read the health & safety notes in the front of the Quick Start Guide.

1.2 Product Range

This operator manual has been prepared for PURELAB Pharma Dispenser product model:

- LA837 PURELAB Pharma Dispenser

PURELAB Pharma Dispenser is a dispensing accessory for the PURELAB Pharma Compliance which purifies pre-treated RO, SDI or distilled feed water into type 1 quality water, digitally tracking and recording the purified water output to comply with the Food and Drug Administration part 11 of title 21 code of Federal Regulations for electronic records and electronic signatures (21 CFR Part 11) and European Commission (EU GMP Annex 11) for Life Science professionals. All actions and dispensing from PURELAB Pharma Dispenser will be recorded via the PURELAB Pharma Compliance integrated software application.

1.3 Use of this Manual

This operator manual guides you through the operation and maintenance of PURELAB Pharma Dispenser allowing you to obtain a guaranteed supply of purified water to meet your requirements.

1.4 Installation

PURELAB Pharma Dispenser has a 'Quick Start Guide' and 'Quick Reference Guide'.

'Quick Start Guide' shows you how to install the PURELAB Pharma Dispenser.

'Quick Reference Guide' shows you how to perform day to day functions in order to get the most from your PURELAB Pharma Dispenser.

1.5 Environment

PURELAB Pharma Dispenser should be installed on a flat, level surface, in a clean, dry environment.

1.6 Commissioning

Please refer to the PURELAB Pharma Compliance operator manual for commissioning instructions.

1.7 Customer Support

If you need help with your PURELAB Pharma Dispenser, please call your local ELGA VEOLIA representative.

For the address of the nearest ELGA VEOLIA Sales and Service office visit our website:
www.elgalabwater.com or contact ELGA VEOLIA at: Email: techsupport@elgalabwater.com

2. Guide to Your PURELAB Pharma Dispenser



3. Main Display Settings and Buttons Operations



Main Display		
Water Purity	Megohm - 1 to 18.2 MΩ (When the water purity falls below the default setting the numbers will flash in red indicating that the purity alarm has been activated).	10.0 ← 18.2
Water Purity	Micro Siemens (This feature can be activated in the main menu options).	0.055
Scrolling Information Bar	Alarms and product information are displayed in this scroll bar.	System OK -
Auto Volume Dispense	This feature is activated by pressing the Auto Volume Dispense button, volumes are displayed in incremental order and changed when the up and down buttons are pressed.	^ ml 100ml 
Process Symbol	Shows that the product is performing an operation.	
Button Operations		
Scroll Up Button	Press to scroll up on a menu or volume increments increase in a feature.	^
Scroll Down Button	Press to scroll down on a menu or volume increments decrease in a feature.	v
Dispense Button	Press for manual dispense.	
Auto Volume Dispense Button	Press once to activate and again to deactivate the Auto Volume Dispense feature.	
Accept Button	Press the accept button to enter. Press and hold the accept button to enter the main menu options.	←
Process Button	Press ON/OFF. Hold for 15 seconds to enter or exit commissioning procedure.	

3. Main Display Settings and Buttons Operations

Role 1 - Service Engineer Menu Options			
The System Administrator can customize the main menu options for each user (Service Engineer, System Administrator, Lab Manager and Lab Technician) within the laptop software application in Roles. To customize the options for each user select 'Roles' then the name followed by the update button, ticking or unticking the available options for each user. See Section 7.9 for more details.			
Options	Description	Action	E-Sign
Change Password - Own Password	Software application option this is not displayed in the main menu. Allows the Service Engineer to change their own password.	Tick or untick.	No
Backup configuration - All Data User Log	Software application option this is not displayed on the main menu. Allows the Service Engineer to backup the user log.	Tick or untick.	Yes
Audit Trail - View Own Activity	Software application option this is not displayed in the main menu. Show the user their own activity in actions.	Tick or untick.	No
Audit Trail - View All Activity	Software application option this is not displayed in the main menu. Show all users activity in actions.	Tick or untick.	No
Dispenser Water	Software application option this is not displayed in the main menu. Stops water dispensing from the handset.	Tick or untick.	No
Set Language	Displays the available languages.	Tick or untick. Press the up and down buttons to scroll and press accept to confirm.	Yes
Set Time	Setting the digital clock	Tick or untick. Volume dispense button toggles between hours and minutes. Press the up and down buttons to change the numbers and accept to confirm.	Yes
Set Sleep Time	This feature is for setting a sleep timer when the system will enter an energy saving, sleep mode.	Tick or untick. Volume dispense button toggles between hours and minutes. Press the up and down buttons to change the numbers and accept to confirm (Press any button to wake from sleep mode).	No
Display Units	Handset display units can be displayed in either Mega Ohms or Micro Siemens.	Tick or untick. Press the up and down buttons to scroll and press accept to confirm your section.	Yes
Sanitization	There are three different types of sanitization cartridges that can be used LC236 CT1 Tablets (Not to be used in the USA) or LC236-M2 Effersan Tablets or LC271 Liquid Minicare. See section 8.6 for more details.	Tick or untick. Press the accept button to start this procedure and follow the on screen instructions.	No
Auto Volume Calibration	This feature calibrates the Auto Volume Dispense if you are getting an incorrect volume of water.	Tick or untick. Press the accept button to start this procedure and follow the on screen instructions.	Yes
Changing Purification Packs	LC232, LC244, LC245 and LC246 Purification Packs should be replaced every 12 months (8760 hours) or when water 'Purity Alarm Active' is activated affecting water quality. You will be prompted to change the Purification Packs and this message will be displayed in the scrolling information bar. "Cartridge Reminder. To maintain performance replace purification cartridges" See section 8.2 for more details.	Tick or untick. Press the accept button to start this procedure and follow the on screen instructions.	Yes

3. Main Display Settings and Buttons Operations

Options	Description	Action	E-Sign
Auto Restart	'Auto-Restart' feature allows the selection of an auto or manual restart option (after power interruption).	Tick or untick. Press the up and down buttons to scroll and accept to confirm. Enable or Disable	No
Process Switch	It is a feature to allow the process on the complete system (in configuration), to be either ON or OFF, from the menu.	Tick or untick. Press the up and down buttons to scroll and accept to confirm.	No
Feedwater Selection	There are four types of feedwater options available RO Feed, DI Feed, SDI Feed and Reservoir Feed in this feature.	Tick or untick. Press the up and down buttons to scroll between the feedwaters and press accept to confirm your selection.	Yes
Set UV Lamp Reminder	Resets the UV Lamp timer for another 13140 hours.	Tick or untick. Press accept to confirm.	No
System Suitability Test	Procedure for confirming suitability of TOC monitor operation.	Tick or untick.	Yes
USB Diagnostics	A sub menu is displayed when a USB stick is inserted.	Tick or untick.	No
USB Data Logging	A sub menu is displayed when a USB stick is inserted.	Tick or untick	No
Commissioning Procedure	A water rinse cycle procedure to achieve full purity during setup / commissioning, purification pack change and replacing the UF filter module.	Tick or untick. Press the process button for 15 seconds to start this procedure, follow the on screen instructions.	Yes
Sensor Calibration	Software application option this is not displayed in the main menu.	Tick or untick.	Yes
Outlet Valve Adjustment	Software application option this is not displayed in the main menu.	Tick or untick.	No
System Qualification	Software application option this is not displayed in the main menu.	Tick or untick.	No
Replace Spare Parts - Pumps, Valves	Software application option this is not displayed in the main menu.	Tick or untick.	No
Replace Spare Parts - Sensors	Software application option this is not displayed in the main menu.	Tick or untick.	No
Replace Consumables	Software application option this is not displayed in the main menu.	Tick or untick.	No
Reset Reminders	Software application option this is not displayed in the main menu.	Tick or untick.	No
QC Test Procedure	Software application option this is not displayed in the main menu.	Tick or untick.	No
System Update	Software application option this is not displayed in the main menu.	Tick or untick.	No
Exit	Exits the Main Menu options on the handset dispenser.	Press the up and down buttons to scroll and accept to confirm.	No

3. Main Display Settings and Buttons Operations

Role 2 - System Administrator Menu Options			
The System Administrator can customize the main menu options for each user (Service Engineer, System Administrator, Lab Manager and Lab Technician) within the laptop software application in Roles. To customize the options for each user select 'Roles' then the name followed by the update button, ticking or unticking the available options for each user. See Section 7.9 for more details.			
Options	Description	Action	E-Sign
Create New Users	Software application option this is not displayed on the main menu. Allows the system admin to create new users.	Tick or untick.	Yes
Inactivate Users	Software application option this is not displayed on the main menu. Allows the system admin to deactivate users.	Tick or untick.	Yes
Activate Users	Software application option this is not displayed on the main menu. Allows the system admin to reactivate users.	Tick or untick.	Yes
Reset Passwords - All Users	Software application option this is not displayed on the main menu. Allows the system admin to reset all passwords.	Tick or untick.	Yes
Change Password - Own Password	Software application option this is not displayed on the main menu. Allows the system admin to change their own password.	Tick or untick.	No
Backup Configuration - All Data User Log	Software application option this is not displayed on the main menu. Allows the System Admin to backup the user log.	Tick or untick.	Yes
Restore Configuration	Software application option this is not displayed on the main menu.	Tick or untick.	Yes
Audit Trail - View Own Activity	Software application option this is not displayed on the main menu. Show the user their own activity in actions.	Tick or untick.	No
Audit Trail - View All Activity	Software application option this is not displayed on the main menu. Show all users activity in actions.	Tick or untick.	No
Audit Trail - E-Sign Records	Software application option this is not displayed on the main menu. Show all user E-signature activity in actions.	Tick or untick.	No
Audit Trail - Archive Records	Software application option this is not displayed on the main menu. Show archive list within actions.	Tick or untick.	No
Dispenser Water	Software application option this is not displayed in the main menu. Stops water dispensing from the handset.	Tick or untick.	No
Set Language	Displays the available languages.	Tick or untick. Press the up and down buttons to scroll and press accept to confirm.	Yes
Set Alarms	Within this feature there are three alarms, Polisher Temperature (water temperature, default 30°C) Polisher Purity Alarm (treated water quality, default 15MΩ) and the TOC alarm. They can be adjusted within this feature.	Tick or untick. Press the accept button to confirm the alarm you want to adjust then scroll up and down to change the value. Press accept to confirm.	Yes
Set Time	Setting the digital clock.	Tick or untick. Volume dispense button toggles between hours and minutes. Press the up and down buttons to change the numbers and accept to confirm.	Yes

3. Main Display Settings and Buttons Operations

Options	Description	Action	E-Sign
Set Sleep Time	Setting the sleep timer.	Tick or untick. Volume dispense button toggles between hours and minutes. Press the up and down buttons to change the numbers and accept to confirm.	No
Display Units	Handset display units can be displayed in either Mega Ohms or Micro Siemens.	Tick or untick. Press the up and down buttons to scroll and press accept to confirm your section.	Yes
Temperature Compensation	'Temperature Compensation' is the option of setting purity measurement as uncompensated for water temperature equivalent to 25°C.	Tick or untick. Press the up and down buttons to scroll and press accept to confirm your section. Enable or Disable.	Yes
Sanitization	This is a sanitization procedure for PURELAB Pharma Compliance. There are three different types of sanitization cartridges that can be used LC236 CT1 Tablets (Not to be used in the USA) or LC236-M2 Effersan Tablets or LC271 Liquid Minicare. See section 8.6 'Sanitization Procedures' for more details.	Tick or untick. Press the accept button to start this procedure and follow the on screen instructions.	No
Auto Volume Calibration	This feature calibrates the Auto Volume Dispense if you are getting an incorrect volume of water.	Tick or untick. Place a 1000ml flask under the outlet (Dispenser tip) and press the dispense button to start calibration.	Yes
Changing Purification Packs	LC232, LC244, LC245 and LC246 Purification Packs should be replaced every 12 months (8760 hours) or when water 'Purity Alarm Active' is activated affecting water quality. You will be prompted to change the Purification Packs and this message will be displayed in the scrolling information bar. "Cartridge Reminder. To maintain performance replace purification cartridges" See section 8.2 for more details.	Tick or untick. Press the accept button to start this procedure and follow the on screen instructions.	Yes
Auto Restart	'Auto-Restart' feature allows the selection of an auto or manual restart option (after power interruption).	Tick or untick. Press the up and down buttons to scroll and accept to confirm. Enable or Disable.	No
Process Switch	It is a feature to allow the process on the complete system (in configuration), to be either ON or OFF, from the menu.	Tick or untick. Press the up and down buttons to scroll and accept to confirm.	No
Feedwater Selection	There are four types of feedwater options available RO Feed, DI Feed, SDI Feed and Reservoir Feed in this feature.	Tick or untick. Press the up and down buttons to scroll between the feedwaters and press accept to confirm your selection.	Yes
Set UV Lamp Reminder	Resets the UV Lamp timer for another 13140 hours.	Tick or untick. Press accept to confirm.	No
System Suitability Test	Procedure for confirming suitability of TOC monitor operation.	Tick or untick.	Yes
USB Diagnostics	A sub menu is displayed when a USB stick is inserted.	Tick or untick..	No

3. Main Display Settings and Buttons Operations

Options	Description	Action	E-Sign
USB Data Logging	A sub menu is displayed when a USB stick is inserted.	Tick or untick.	No
Commissioning Procedure	A water rinse cycle procedure to achieve full purity during setup / commissioning, purification pack change and replacing the UF filter module.	Tick or untick. Press the process button for 15 seconds to start this procedure, follow the on screen instructions.	Yes
Replace Consumables	Software application option this is not displayed on the main menu.	Tick or untick.	No
Reset Reminders	Software application option this is not displayed on the main menu.	Tick or untick.	No
System Update	Software application option this is not displayed on the main menu.	Tick or untick.	No
Exit	Exits the Main Menu options on the handset dispenser.	Press the up and down buttons to scroll and accept to confirm.	No

3. Main Display Settings and Buttons Operations

Role 3 - Laboratory Manager Menu Options			
The System Administrator can customize the main menu options for each user (Service Engineer, System Administrator, Lab Manager and Lab Technician) within the laptop software application in Roles. To customize the options for each user select 'Roles' then the name followed by the update button, ticking or unticking the available options for each user. See Section 7.9 for more details.			
Options	Description	Action	E-Sign
Change Password - Own Password	Software application option this is not displayed on the main menu. Allows the Lab Manager to change their own password.	Tick or untick.	No
Backup Configuration- All Data User Log	Software application option this is not displayed on the main menu. Allows the Lab Manager to backup the user log.	Tick or untick.	Yes
Audit Trail - View Own Activity	Software application option this is not displayed on the main menu. Show the user their own activity in actions.	Tick or untick.	No
Audit Trail - View All Activity	Software application option this is not displayed on the main menu. Show all users activity in actions.	Tick or untick.	No
Audit Trail - E-Sign Records	Software application option this is not displayed on the main menu. Show all user E-signature activity in actions.	Tick or untick.	No
Audit Trail - Archive Records	Software application option this is not displayed on the main menu. Show archive list within actions.	Tick or untick.	No
Dispenser Water	Software application option this is not displayed in the main menu. Stops water dispensing from the handset.	Tick or untick.	No
Set Language	Displays the available languages.	Tick or untick. Press the up and down buttons to scroll and press accept to confirm.	Yes
Set Alarms	Within this feature there are three alarms, Polisher Temperature (water temperature, default 30°C) Polisher Purity Alarm (treated water quality, default 15MΩ) and the TOC alarm. They can be adjusted within this feature.	Tick or untick. Press the accept button to confirm the alarm you want to adjust then scroll up and down to change the value. Press accept to confirm.	Yes
Set Time	Setting the digital clock.	Tick or untick. Volume dispense button toggles between hours and minutes. Press the up and down buttons to change the numbers and accept to confirm.	Yes
Set Sleep Time	Setting the sleep timer.	Tick or untick. Volume dispense button toggles between hours and minutes. Press the up and down buttons to change the numbers and accept to confirm.	No
Display Units	Handset display units can be displayed in either Mega Ohms or Micro Siemens.	Tick or untick. Press the up and down buttons to scroll and press accept to confirm your section.	Yes
Temperature Compensation	'Temperature Compensation' is the option of setting purity measurement as uncompensated for water temperature equivalent to 25°C.	Tick or untick. Press the up and down buttons to scroll and press accept to confirm your section. Enable or Disable.	Yes

3. Main Display Settings and Buttons Operations

Options	Description	Action	E-Sign
Sanitization	This is a sanitization procedure for PURELAB Pharma Compliance. There are three different types of sanitization cartridges that can be used LC236 CT1 Tablets (Not to be used in the USA) or LC236-M2 Effersan Tablets or LC271 Liquid Minicare. See section 8.6 'Sanitization Procedures' for more details.	Tick or untick. Press the accept button to start this procedure and follow the on screen instructions.	No
Auto Volume Calibration	This feature calibrates the Auto Volume Dispense if you are getting an incorrect volume of water.	Tick or untick. Place a 1000ml flask under the outlet (Dispenser tip) and press the dispense button to start calibration.	Yes
Changing Purification Packs	LC232, LC244, LC245 and LC246 Purification Packs should be replaced every 12 months (8760 hours) or when water 'Purity Alarm Active' is activated affecting water quality. You will be prompted to change the Purification Packs and this message will be displayed in the scrolling information bar. "Cartridge Reminder. To maintain performance replace purification cartridges" See section 8.2 for more details.	Tick or untick. Press the accept button to start this procedure and follow the on screen instructions.	Yes
Auto Restart	'Auto-Restart' feature allows the selection of an auto or manual restart option (after power interruption).	Tick or untick. Press the up and down buttons to scroll and accept to confirm. Enable or Disable.	No
Process Switch	It is a feature to allow the process on the complete system (in configuration), to be either ON or OFF, from the menu.	Tick or untick. Press the up and down buttons to scroll and accept to confirm.	No
Feedwater Selection	There are four types of feedwater options available RO Feed, DI Feed, SDI Feed and Reservoir Feed in this feature.	Tick or untick. Press the up and down buttons to scroll between the feedwaters and press accept to confirm your selection.	Yes
Set UV Lamp Reminder	Resets the UV Lamp timer for another 13140 hours.	Tick or untick. Press accept to confirm.	No
System Suitability Test	Procedure for confirming suitability of TOC monitor operation.	Tick or untick.	Yes
USB Diagnostics	A sub menu is displayed when a USB stick is inserted.	Tick or untick.	No
USB Data Logging	A sub menu is displayed when a USB stick is inserted.	Tick or untick.	No
Commissioning Procedure	A water rinse cycle procedure to achieve full purity during setup / commissioning, purification pack change and replacing the UF filter module.	Tick or untick. Press the process button for 15 seconds to start this procedure, follow the on screen instructions.	Yes
Replace Consumables	Software application option this is not displayed on the main menu.	Tick or untick.	No
Reset Reminders	Software application option this is not displayed on the main menu.	Tick or untick.	No
Exit	Exits the Main Menu options on the handset dispenser.	Press the up and down buttons to scroll and accept to confirm.	No

3. Main Display Settings and Buttons Operations

Role 4 - Laboratory Technician Menu Options			
The System Administrator can customize the main menu options for each user (Service Engineer, System Administrator, Lab Manager and Lab Technician) within the laptop software application in Roles. To customize the options for each user select 'Roles' then the name followed by the update button, ticking or unticking the available options for each user. See Section 7.9 for more details.			
Options	Description	Action	E-Sign
Change Password - Own Password	Software application option this is not displayed on the main menu. Allows the Lab Technician to change their own password.	Tick or untick.	No
Backup Configuration- All Data User Log	Software application option this is not displayed on the main menu. Allows the Lab Technician to backup the user log.	Tick or untick.	Yes
Audit Trail - View Own Activity	Software application option this is not displayed on the main menu. Show the user their own activity in actions.	Tick or untick.	No
Audit Trail - View All Activity	Software application option this is not displayed on the main menu. Show all users activity in actions.	Tick or untick.	No
Audit Trail - E-Sign Records	Software application option this is not displayed on the main menu. Show all user E-signature activity in actions.	Tick or untick.	No
Audit Trail - Archive Records	Software application option this is not displayed on the main menu. Show archive list within actions.	Tick or untick.	No
Dispenser Water	Software application option this is not displayed in the main menu. Stops water dispensing from the handset.	Tick or untick.	No
Set Language	Displays the available languages.	Tick or untick. Press the up and down buttons to scroll and press accept to confirm.	Yes
Set Alarms	Within this feature there are three alarms, Polisher Temperature (water temperature, default 30°C) Polisher Purity Alarm (treated water quality, default 15MΩ) and the TOC alarm. They can be adjusted within this feature.	Tick or untick. Press the accept button to confirm the alarm you want to adjust then scroll up and down to change the value. Press accept to confirm.	Yes
Set Time	Setting the digital clock	Tick or untick. Volume dispense button toggles between hours and minutes. Press the up and down buttons to change the numbers and accept to confirm.	Yes
Set Sleep Time	Setting the sleep timer.	Tick or untick. Volume dispense button toggles between hours and minutes. Press the up and down buttons to change the numbers and accept to confirm.	No
Display Units	Handset display units can be displayed in either Mega Ohms or Micro Siemens.	Tick or untick. Press the up and down buttons to scroll and press accept to confirm your section.	Yes
Temperature Compensation	'Temperature Compensation' is the option of setting purity measurement as uncompensated for water temperature equivalent to 25°C.	Tick or untick. Press the up and down buttons to scroll and press accept to confirm your section. Enable or Disable.	Yes

3. Main Display Settings and Buttons Operations

Options	Description	Action	E-Sign
Sanitization	This is a sanitization procedure for PURELAB Pharma Compliance. There are three different types of sanitization cartridges that can be used LC236 CT1 Tablets (Not to be used in the USA) or LC236-M2 Effersan Tablets or LC271 Liquid Minicare. See section 8.6 'Sanitization Procedures' for more details.	Tick or untick. Press the accept button to start this procedure and follow the on screen instructions.	No
Auto Volume Calibration	This feature calibrates the Auto Volume Dispense if you are getting an incorrect volume of water.	Tick or untick. Place a 1000ml flask under the outlet (Dispenser tip) and press the dispense button to start calibration.	Yes
Changing Purification Packs	LC232, LC244, LC245 and LC246 Purification Packs should be replaced every 12 months (8760 hours) or when water 'Purity Alarm Active' is activated affecting water quality. You will be prompted to change the Purification Packs and this message will be displayed in the scrolling information bar. "Cartridge Reminder. To maintain performance replace purification cartridges" See section 8.2 for more details.	Tick or untick. Press the accept button to start this procedure and follow the on screen instructions.	Yes
Auto Restart	'Auto-Restart' feature allows the selection of an auto or manual restart option (after power interruption).	Tick or untick. Press the up and down buttons to scroll and accept to confirm. Enable or Disable.	No
Process Switch	It is a feature to allow the process on the complete system (in configuration), to be either ON or OFF, from the menu.	Tick or untick. Press the up and down buttons to scroll and accept to confirm.	No
Feedwater Selection	There are four types of feedwater options available RO Feed, DI Feed, SDI Feed and Reservoir Feed in this feature.	Tick or untick. Press the up and down buttons to scroll between the feedwaters and press accept to confirm your selection.	Yes
Set UV Lamp Reminder	Resets the UV Lamp timer for another 13140 hours.	Tick or untick. Press accept to confirm.	No
System Suitability Test	Procedure for confirming suitability of TOC monitor operation.	Tick or untick.	Yes
USB Diagnostics	A sub menu is displayed when a USB stick is inserted.	Tick or untick.	No
USB Data Logging	A sub menu is displayed when a USB stick is inserted.	Tick or untick.	No
Commissioning Procedure	A water rinse cycle procedure to achieve full purity during setup / commissioning, purification pack change and replacing the UF filter module.	Tick or untick. Press the process button for 15 seconds to start this procedure, follow the on screen instructions.	Yes
Replace Consumables	Software application option this is not displayed on the main menu.	Tick or untick.	No
Reset Reminders	Software application option this is not displayed on the main menu.	Tick or untick.	No
Exit	Exits the Main Menu options on the handset dispenser.	Press the up and down buttons to scroll and accept to confirm.	No

4. Product Consumables and Accessories



LC134 and LC197 Point-of-Use Filters

Consumables			
Part Number	Description	Typical Service Life*	Max. Shelf Life
LC134	Point-Of-Use Filter (POU)	3 Months	2 Years
LC197	Point-Of-Use Biofilter (POU)	3 Months	2 Years
*Consumable service life is an estimate only, and will depend on the application and feedwater quality.			
Accessoires			
LA827	Dispenser Worktop Mounting Bracket Kit	N/A	N/A

5. Register a Product

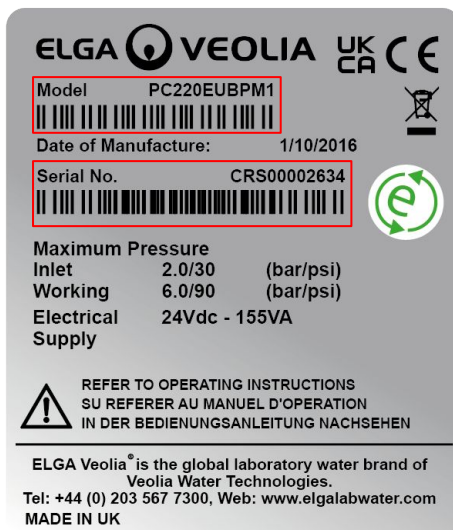
Taking the time now to register your product will mean that we can provide a better service to you in the future. We can contact you about the latest product accessories and validate your warranty.

Benefits of registration?

- Validate manufacturer warranty for your product
- Proof of registration
- Receive software updates for your products

How can I quickly register a product ?

The model number and serial number can be found on the rating plate, see the example below for details.



Enter your model number and serial number into the online registration form linked below:

<https://www.elgalabwater.com/support/register-a-product>

6. Quick Reference Guide

6.1 Manual Dispense



Press and hold the dispense button at anytime for manual dispense, release to stop dispensing.

Press lightly for 'drop by drop'.

6.2 Locked Dispense



Press Dispense Button adjusting the flow rate by the amount of pressure applied then press and release Accept Button to enable continuous dispensing. Release Dispense Button when 'Locked' appears on the Display.

Press Dispenser Button at anytime to exit this feature.

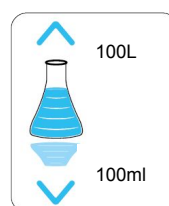
6.3 Auto Volume Dispense



Press auto volume dispense button at anytime to open this feature.
Note: In order to access this feature you need to ensure that you are not in the Main Menu.



Press up and down buttons, to scroll through the volumes.



To confirm press dispense button to start dispensing the water.

6. Quick Reference Guide

6.4 Deactivating Auto Volume Dispense



Press auto volume dispense button once to deactivate.

6.5 ON / OFF, Menu and Accept



Press and hold accept button for 2 seconds to enter the main menu.



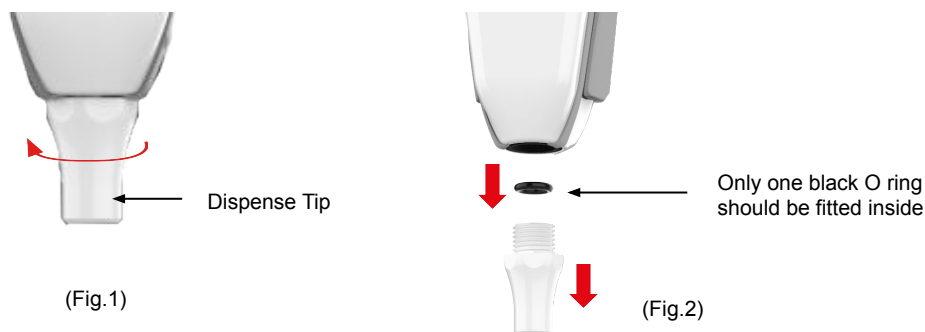
Press up and down buttons to scroll through the main menu options tabs, press accept button to confirm your selection.

7. Maintenance

7.1 Replacing the LC134 or LC197 Point-Of-Use Filter

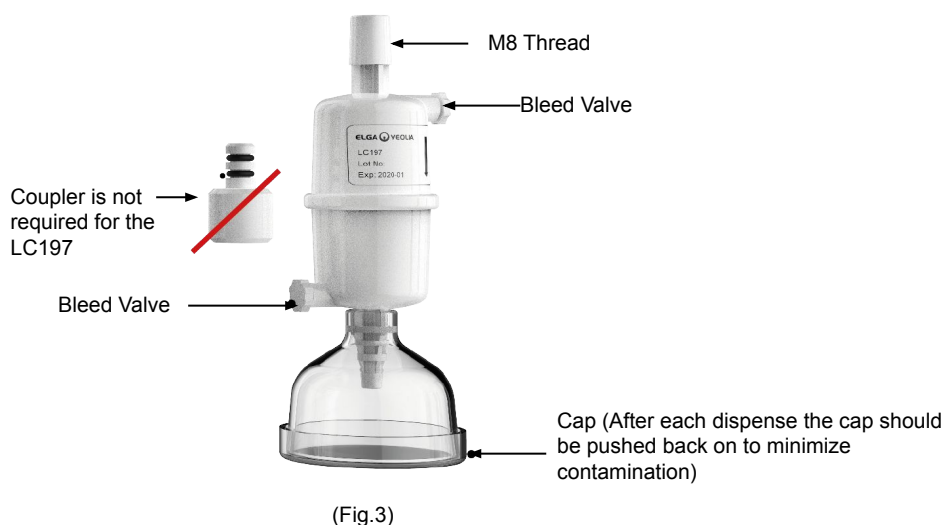
Step 1 - Removing the Dispense Tip

1. UNSCREW the dispense tip from underneath the handset. (Fig.1)
2. DO NOT dispose of the dispense tip this part is required for the sanitization procedure. (Fig.2)

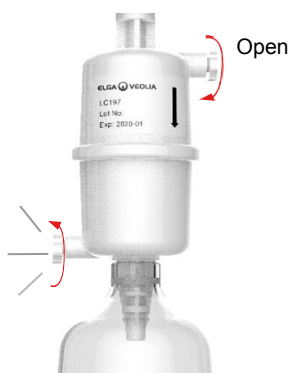


Step 2 - Unpacking and Installing the LC134 or LC197 Point-Of-Use Filter

1. UNPACK the new POU filter from the outer and inner packaging, remove the cap. (Fig.3)
2. Coupler is not required for PURELAB Pharma Dispenser, screw in the Point-of-Use filter. (Fig.4)



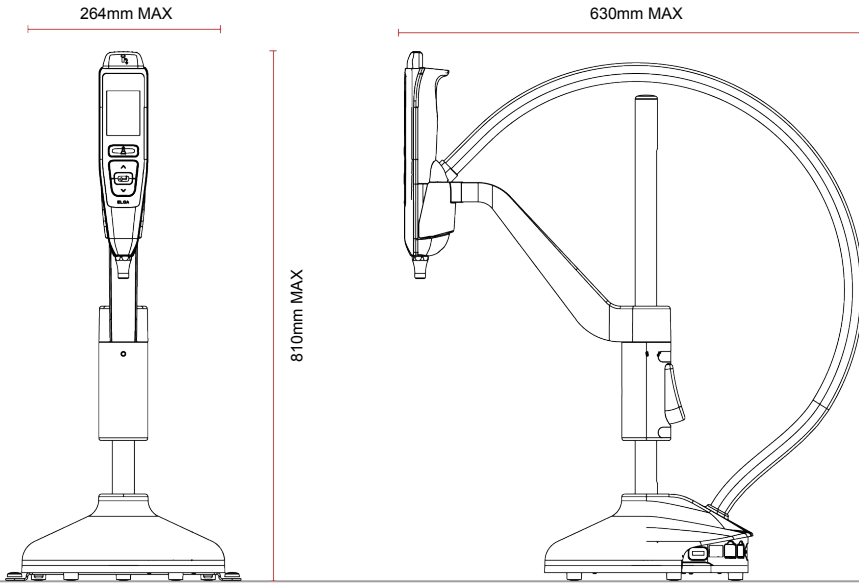
3. SLIGHTLY open both bleed valves, before dispensing any water to release any trapped air. (Fig.5)
4. PRESS the dispense button, drawing water through and close both bleed valves. (Fig.6)
5. Installation is completed, normal operation can resume. (Fig.7)



8. Troubleshooting

Issue	Action
Blank Display Screen	1. Press any button to wake from sleep mode. or 2. Press and hold the accept button for 2 seconds. or 3. Check the power supply is connected to the product, ensuring that all connections are securely fitted. (Turn the power OFF/ON) or 4. Check the plug socket fuse, replace if necessary.
Unable to Enter the Features in the Main Menu	1. Check the product is turned ON. or 2. Make sure 'Auto volume dispense' is disabled. (See section 6.4 - Quick Reference Guide)
Incorrect Volume of Water	1. Select 'Auto Volume Calibration' in the main menu.
Message Displayed - "Sanitization Reminder"	1. Complete a Sanitization Procedure. (See PURELAB Pharma Compliance operator manual for instructions)
Message Displayed - "UV Lamp Warning"	1. Complete a UV lamp change. (See PURELAB Pharma Compliance operator manual for instructions) 2. Reset UV lamp reminder. (See PURELAB Pharma Compliance operator manual for instructions) or 3. Remove the rear cover panel and check to see if there is a green LED active on the UV lamp ballast, if this deactivated call Technical Support for more assistance.
Message Displayed - "UV Lamp Reminder. To maintain performance replace the UV lamp"	1. Complete a UV lamp change. (See PURELAB Pharma Compliance operator manual for instructions) 2. Reset UV lamp reminder. (See PURELAB Pharma Compliance operator manual for instructions)
Message Displayed - "High Temperature Alarm"	1. Adjust the alarm points settings via Main Menu. or 2. Check the feedwater temperature. or 3. Press the dispense button to draw some water through the system configuration, switch OFF and restart.
Reduced Dispensing Flow Rate	1. Check the mesh feedwater inlet filter for blockages. (See PURELAB Pharma Compliance operator manual for instructions) or 2. Replace the Point-Of-Use Filter. or 3. Check the feedwater 8mm manual valves and pressure regulator are open.
Message Displayed - "System Configuration Not Valid"	1. Check comms connections, ensure that the configuration is valid. (Follow the system configuration examples in the Quick Start Guide) or 2. Update your main system software via the USB port.

9. Technical Specifications

LA837 PURELAB Pharma Dispenser	
Dimensions and Weights	
	
Shipping Dimensions	H 810mm MAX W 264mm MAX (Including the LA827 Dispenser Worktop Mounting Bracket Kit) 230mm (Without the bracket) D 630mm MAX
Shipping Weight	7.5KG
Operating Weight	4.5KG
Installation	Free standing on a worktop or secured to a worktop
Electrical Requirements	
Mains Input	100-240 VAC, 50-60 Hz
Power Required (Excluding Pump and UV)	24V DC
Power Consumption	120 VA
Noise Output	<40 dBA
Environment	
Temperature	5 - 40 °C (Recommended 15 - 25 °C)
Humidity	Non-condensing. Humidity Max 80%
Surroundings	Clean laboratory environment
Pipe Connections	
Inlet	8mm (5/16) OD Tube
Return	8mm (5/16) OD Tube

10. Warranty / Condition of Sale

Warranty / Condition of Sale

ELGA LabWater is a trading name of VWS (UK) Ltd.

General Limited Warranty

VWS (UK) Ltd. warrants the products manufactured by it against defects in materials and workmanship when used in accordance with applicable instructions for a period of one year from the date of shipment for the products. VWS (UK) Ltd. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED. THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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Water System Limited Warranty

VWS (UK) Ltd. warrants the water systems manufactured by it, BUT EXCLUDING MEMBRANES AND PURIFICATION PACKS, against defects in materials and workmanship when used in accordance with the applicable instructions and within the operating conditions specified for the systems for a period of one year from the earlier of: the date of installation, or the 120th day following the date of shipment.

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VWS (UK) Ltd. warrants its products against defects in materials and workmanship as described in the Warranty statement on the preceding pages.

Languages

Please scan the QR Code or use the URL below to view or download the language files.

Authentication Pin Number:1937

<https://www.elgalabwater.com/purelab-pharma>



The Labwater Specialists

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