

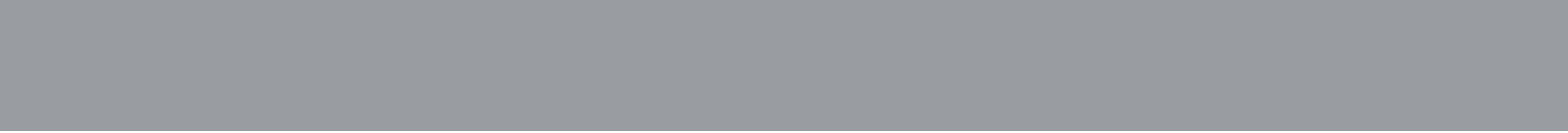
PURELAB[®] Chorus I



Operator Manual

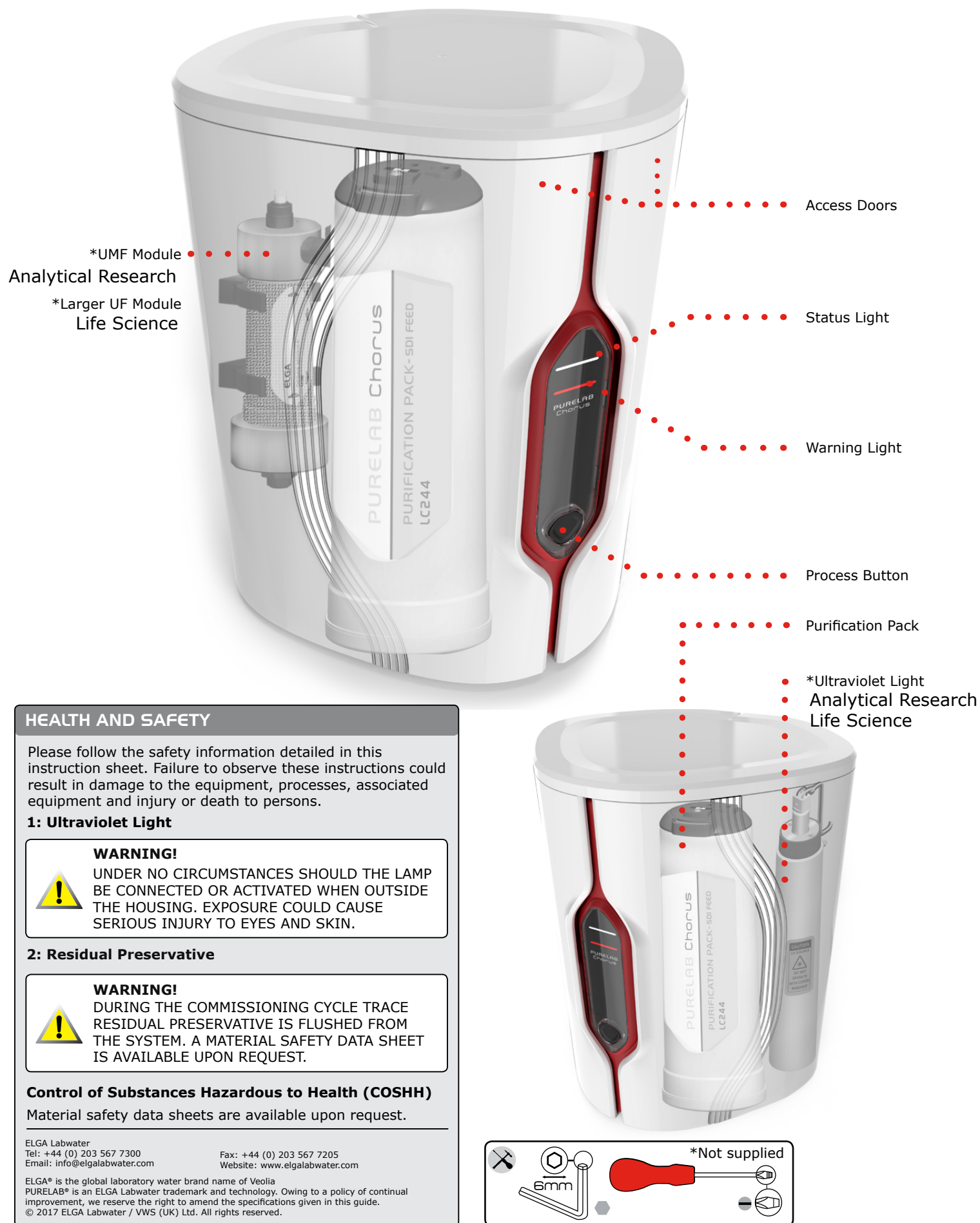
MANU39998 VER 02 3/17

Life Science / Analytical Research / General Science



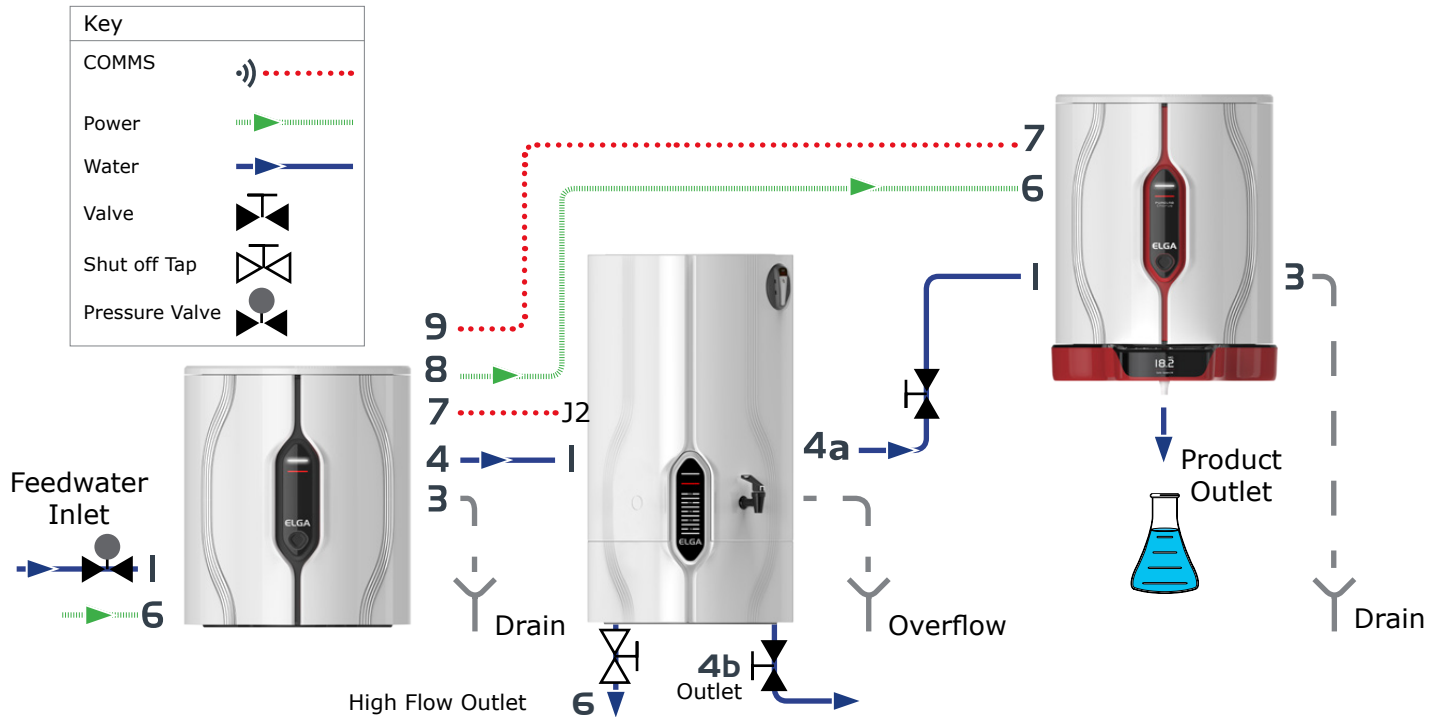
WELCOME

Thank you for purchasing the PURELAB® Chorus 1. Please read the following Health and Safety notice before proceeding.

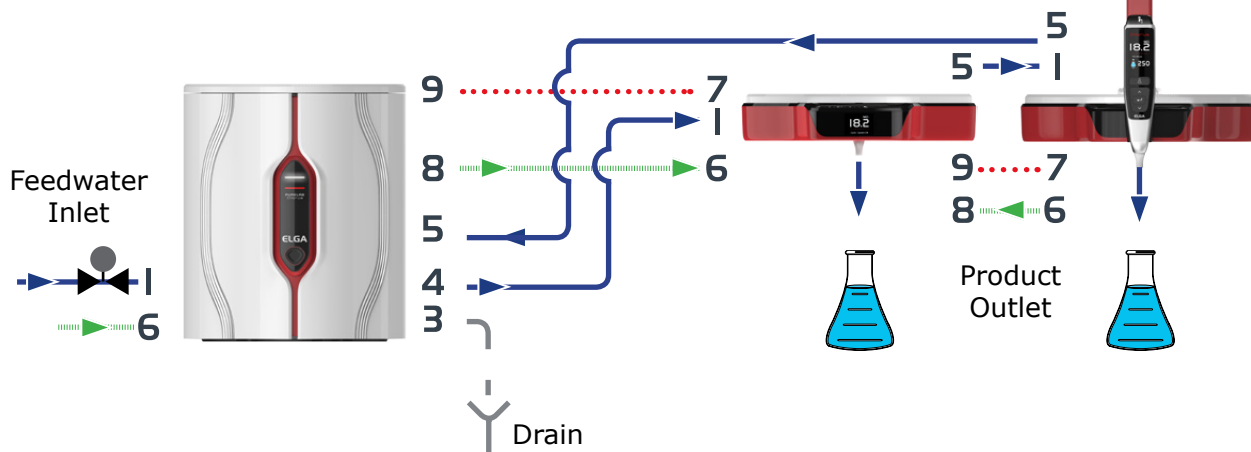


SYSTEM CONFIGURATION Life Science / Analytical Research / General Science

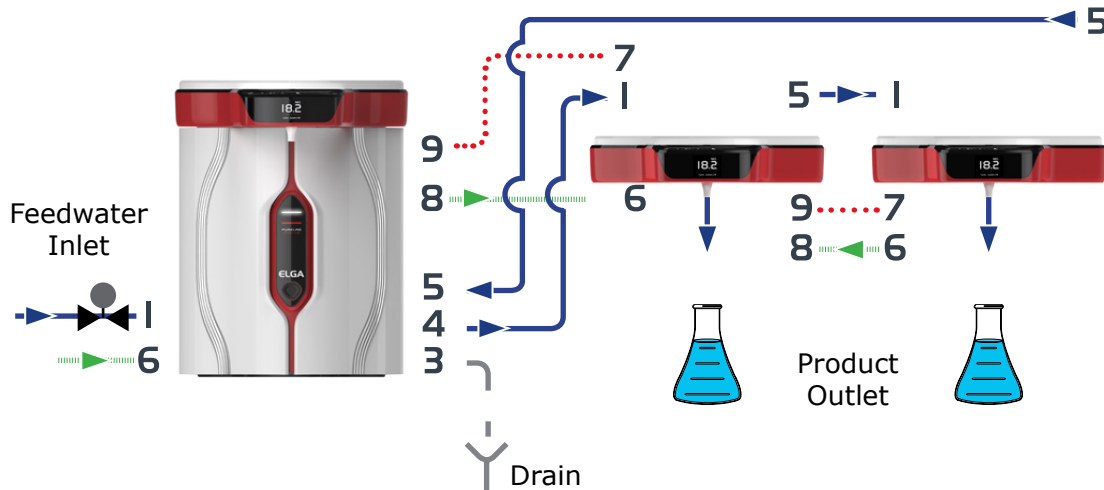
Example one: 1 x PURELAB® Chorus 3 + Reservoir + Chorus 1 + 1 X Dispense.



Example two: 1 x PURELAB® Chorus 1 + 2 X Dispenser.



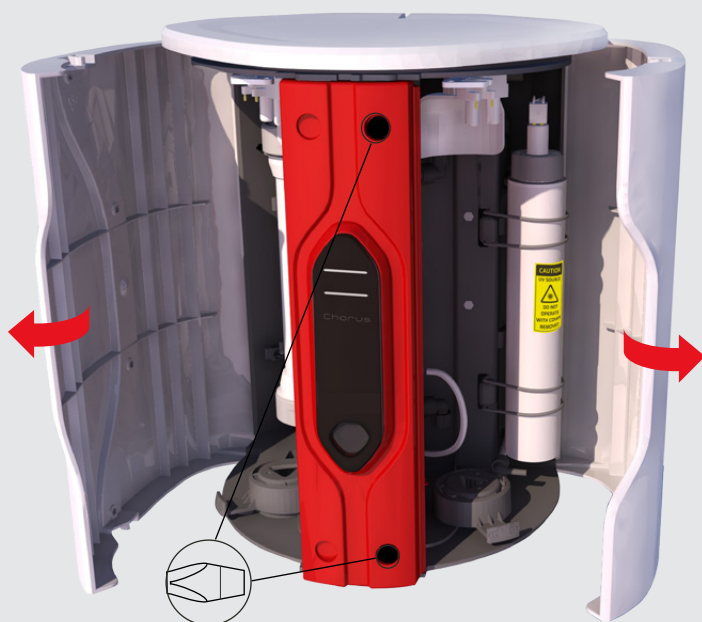
Example three: 1 x PURELAB® Chorus 1 + 3 X Dispenser.



Further advice on configuration connections.

Ia MODULAR STACKING BENCH MOUNTED RESERVOIR ON TOP

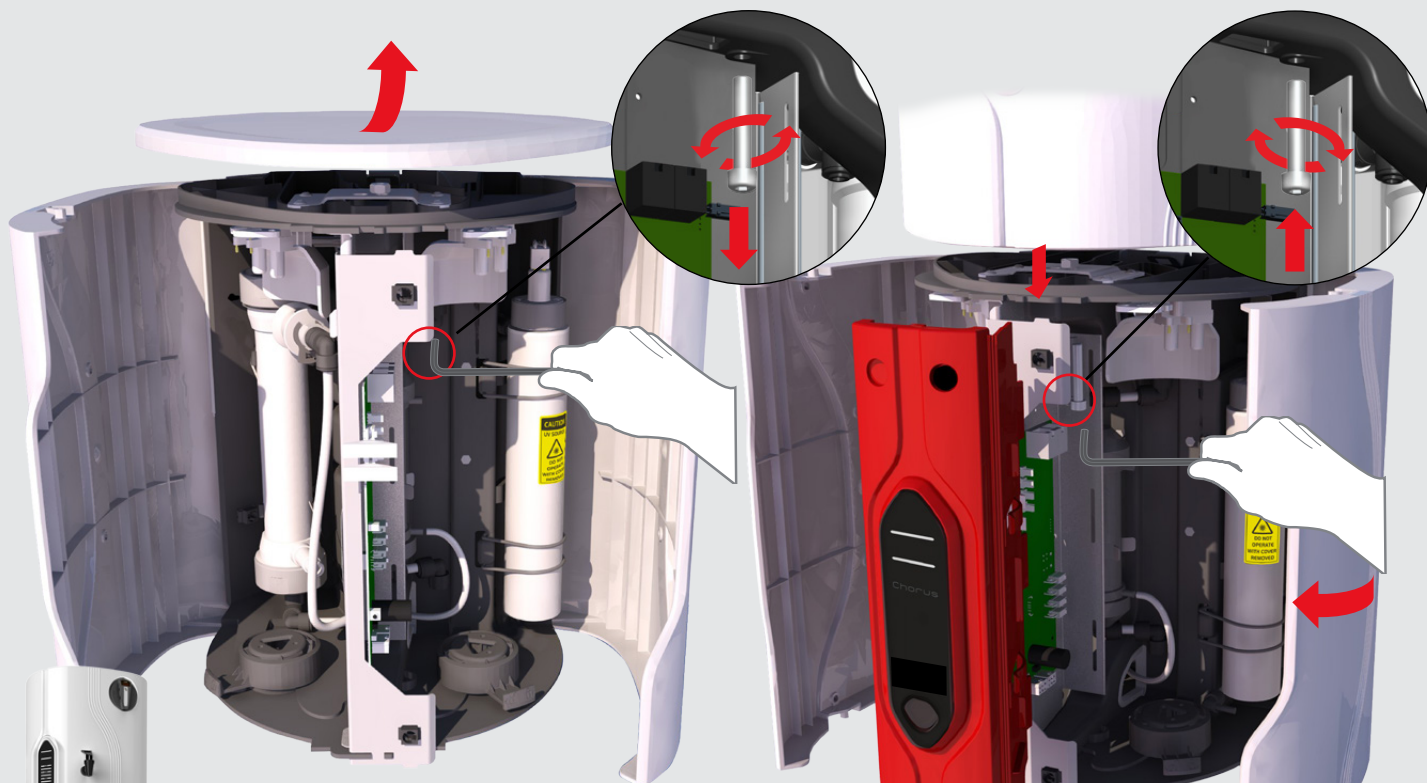
PC1LSCXM2 / PC1ANRXM2 / PC1GSCM2



a. Open doors and undo quarter turn fasteners.



b. Remove front panel and undo lid bolt with an allen key. (6mm AF X FXBOYR301716)



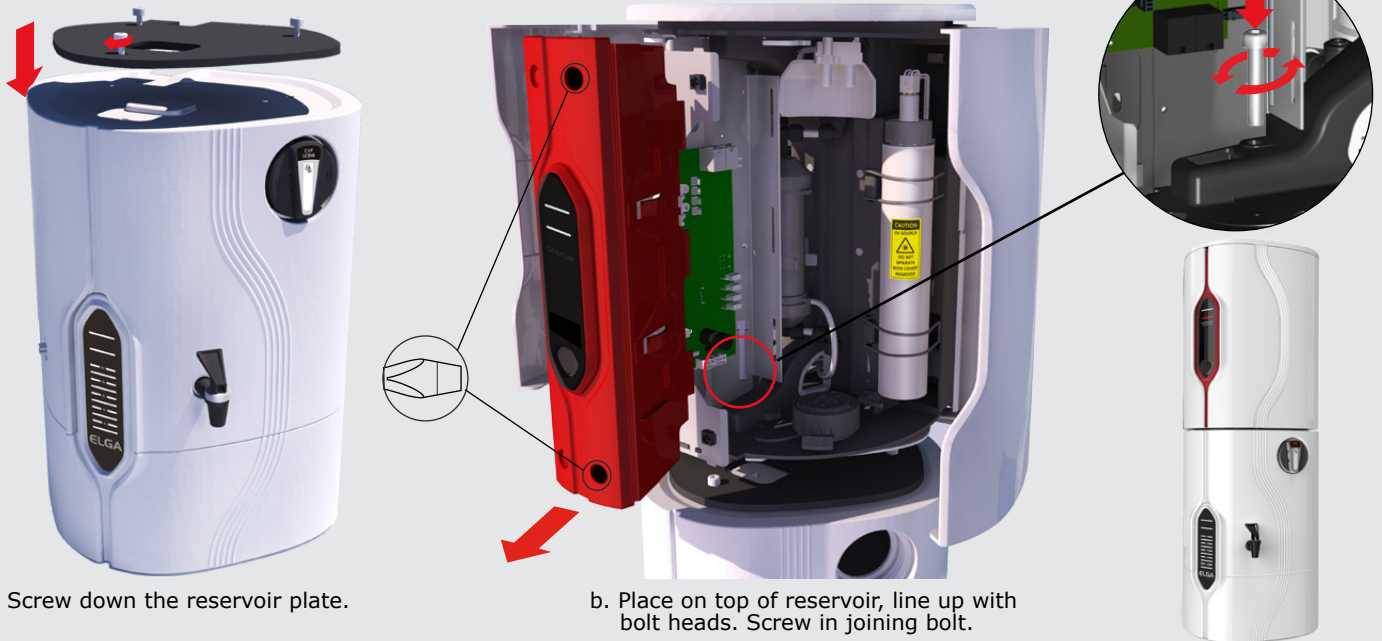
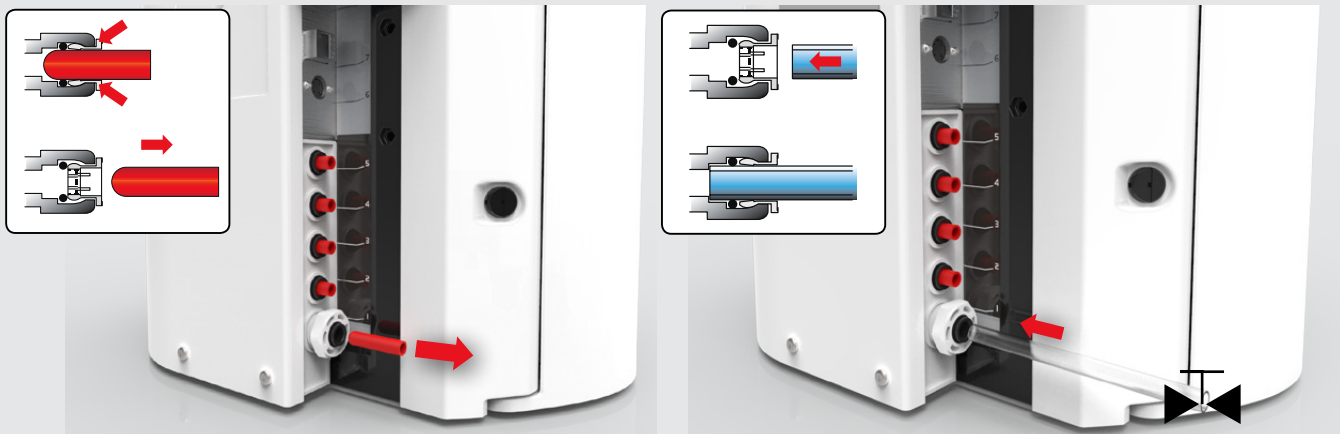
c. Remove bolt and lift the lid.

d. Place the reservoir on top, lining up with the three points. Screw in allen head bolt, before replacing front panel.

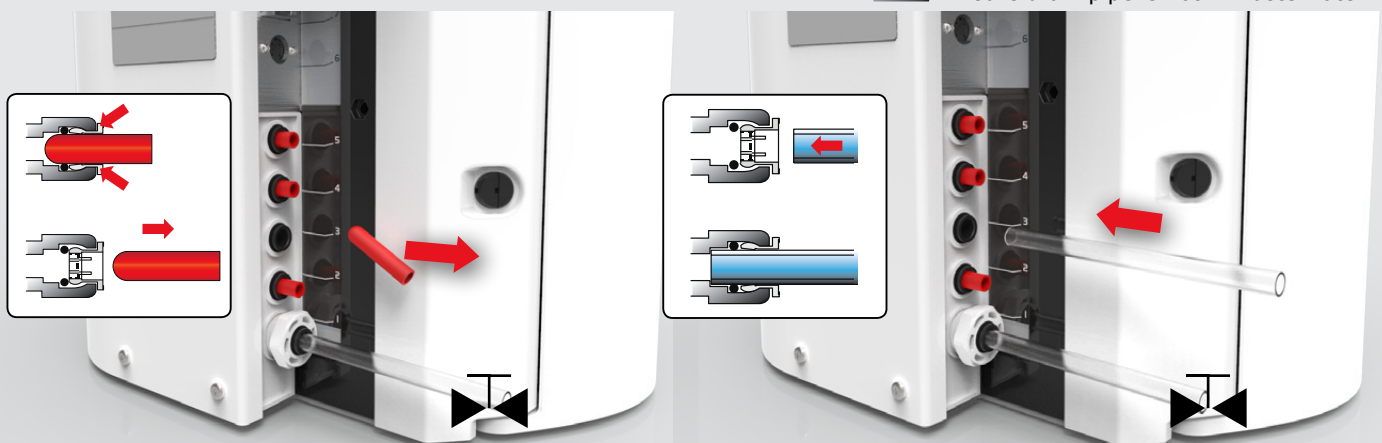
NB. Please refer to the dispenser Quick Start Guide to combine a dispenser.

**WARNING!**

ONLY PLACE ONE CHORUS SYSTEM ON TOP OR BELOW THE RESERVOIR.

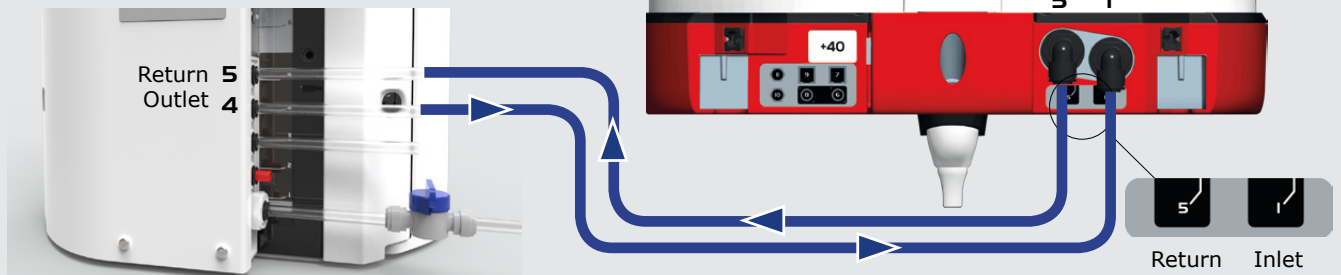
1b MODULAR STACKING RESERVOIR UNDERNEATH**2 CONNECT THE FEED WATER (PORT NO.1)****3 CONNECT THE DRAIN (PORT NO.3)****CAUTION!**

Ensure drain pipe is not in waste water.

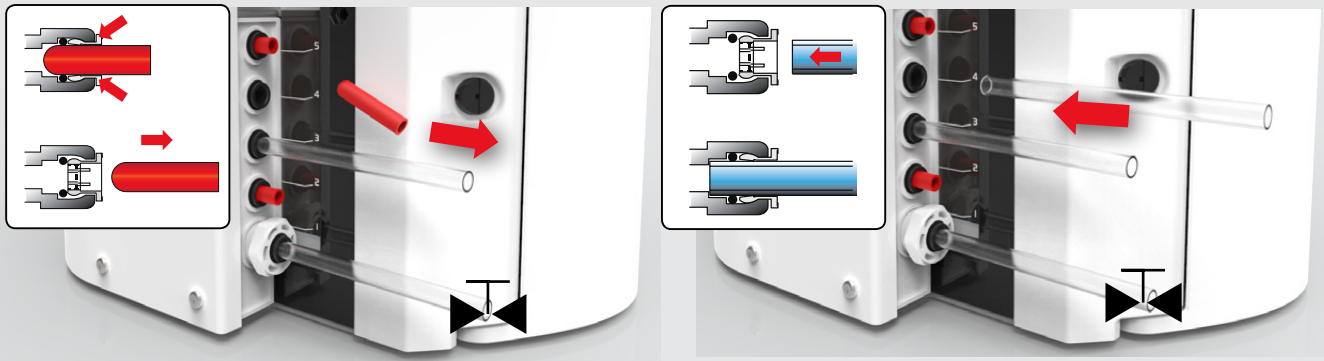


4 RETURN DISPENSER

NB: Please refer to dispenser manual for more information.



5 CONNECT THE PURIFIED WATER OUTLET (PORT NO.4)



a. Remove the transit plugs from the water outlet connection.

b. Using the tube supplied, firmly push one end securely into the water connector.

6 COMMS CONNECTIONS



WARNING!

ONLY USE COMMS CABLE SUPPLIED BY ELGA.



NB. Please refer to the dispenser Quick Start Guide to combine a dispenser.

7 FOLLOW THE INSTRUCTIONS



a. Open right hand door.

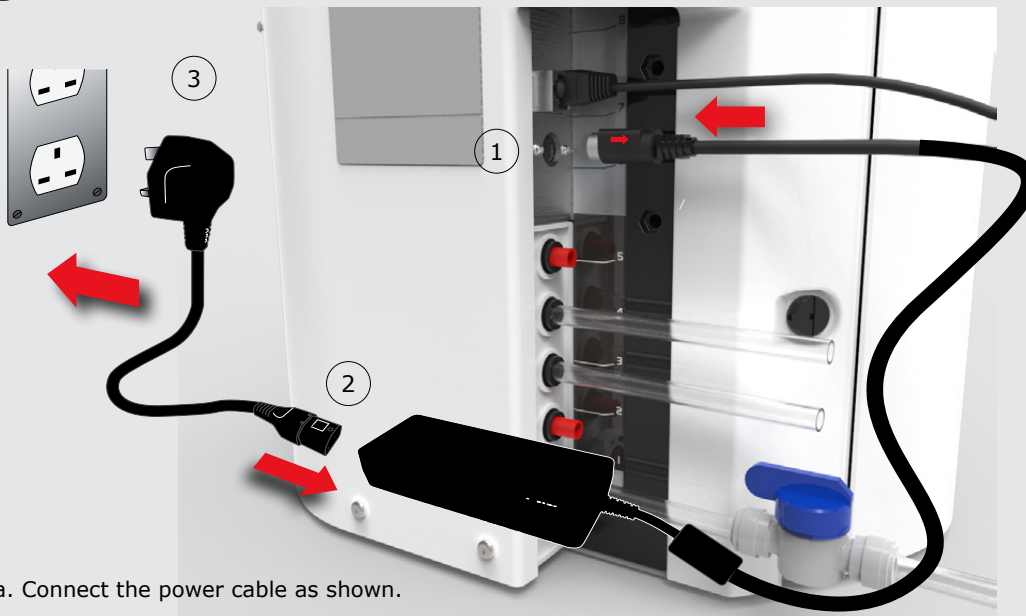


b. Insert Purification Pack and turn handle.



c. Make sure it's secure.

8 CONNECT THE POWER (NO.6 PORT)



a. Connect the power cable as shown.

b. Only use the power supply supplied with the Chorus.
The power supply must be earthed.

c. **PRESS ONCE**
to start Commission mode.
Bottom red light will be
flashing until cycle has ended.

Approx 80 minutes



WARNING!

ONLY USE THE APPLIANCE COUPLER (MAINS LEAD) AND POWER SUPPLY PROVIDED. IF THE EQUIPMENT IS USED IN A MANNER NOT SPECIFIED BY ELGA, THE PROTECTION PROVIDED BY THE EQUIPMENT MAY BE IMPAIRED. POSITION THE POWER SUPPLY SO THAT IT CANNOT COME INTO CONTACT WITH WATER.

The Laboratory Water Specialists



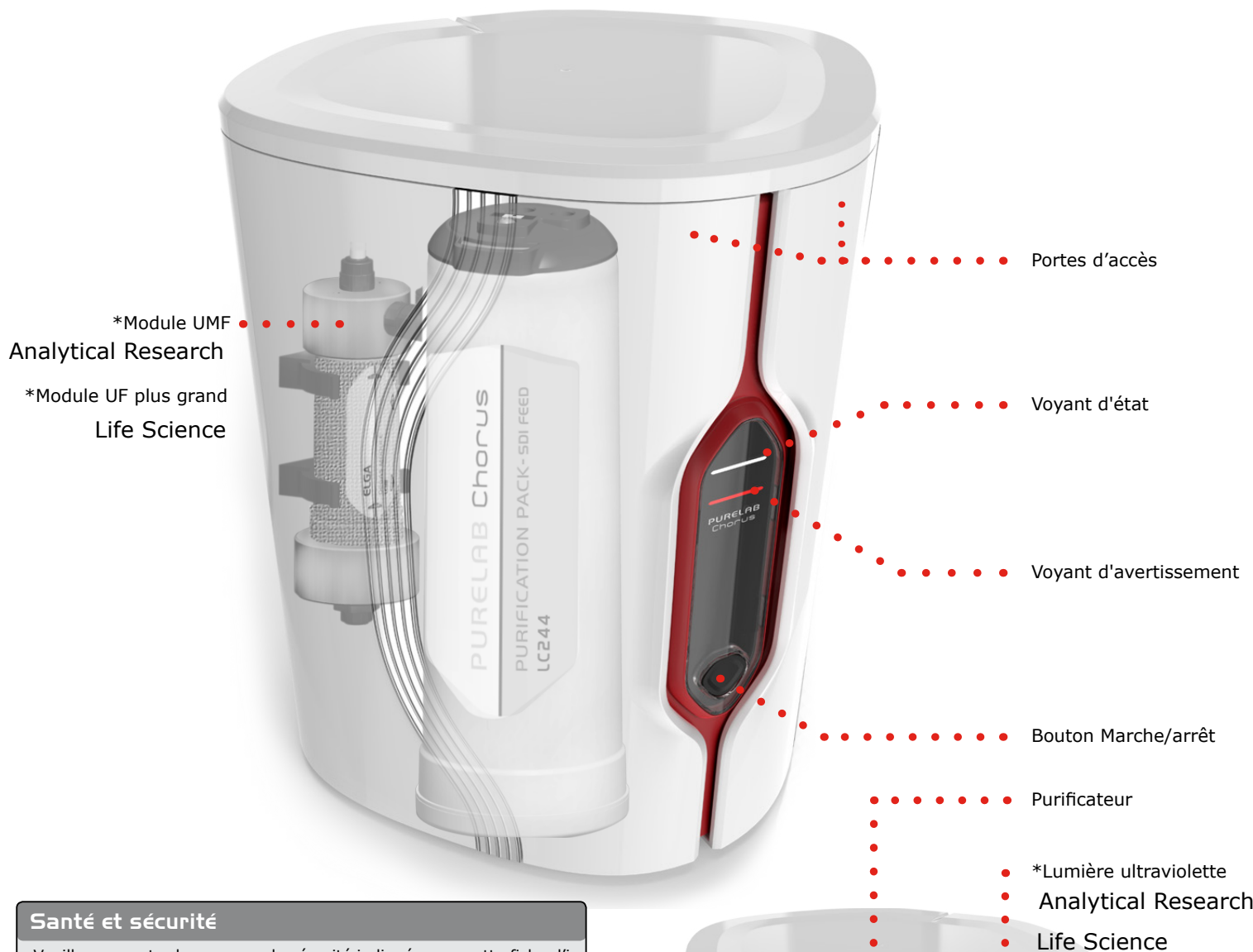
PURELAB®
Chorus



Bienvenue

Merci d'avoir acheté le PURELAB Chorus 1.

Veuillez lire les instructions de santé et de sécurité suivantes avant toute utilisation.



Santé et sécurité

Veuillez respecter les normes de sécurité indiquées sur cette fiche d'instruction. Veuillez respecter les normes de sécurité indiquées sur cette fiche d'instruction. Il existe un risque d'endommagement de l'appareil, des équipements et procédés associés ainsi qu'un risque de blessure ou de mort en cas de non-respect des consignes.

1. Lumière ultraviolette



AVERTISSEMENT !

LA LAMPE NE DOIT EN AUCUN CAS ÊTRE BRANCHÉE OU FONCTIONNER EN DEHORS DE SON LOGEMENT. TOUTE EXPOSITION RISQUE DE PROVOQUER DE GRAVES BLESSURES DES YEUX ET DE LA PEAU.

2. Conservateur résiduel



AVERTISSEMENT !

LORS DU CYCLE DE MISE EN SERVICE, DES TRACES DE CONSERVATEUR RÉSIDUEL SONT RINCÉES HORS DU SYSTÈME. UNE FICHE TECHNIQUE DE SÉCURITÉ SUR CE COMPOSANT EST DISPONIBLE SUR DEMANDE.

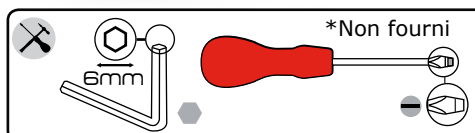
Contrôle des substances dangereuses pour la santé (COSHH)

Des fiches de données sur ce composant sont disponibles sur demande.

ELGA Labwater
Tel: +44 (0) 203 567 7300
Email: info@elgalabwater.com

Fax: +44 (0) 203 567 7205
Site Internet : www.elgalabwater.com

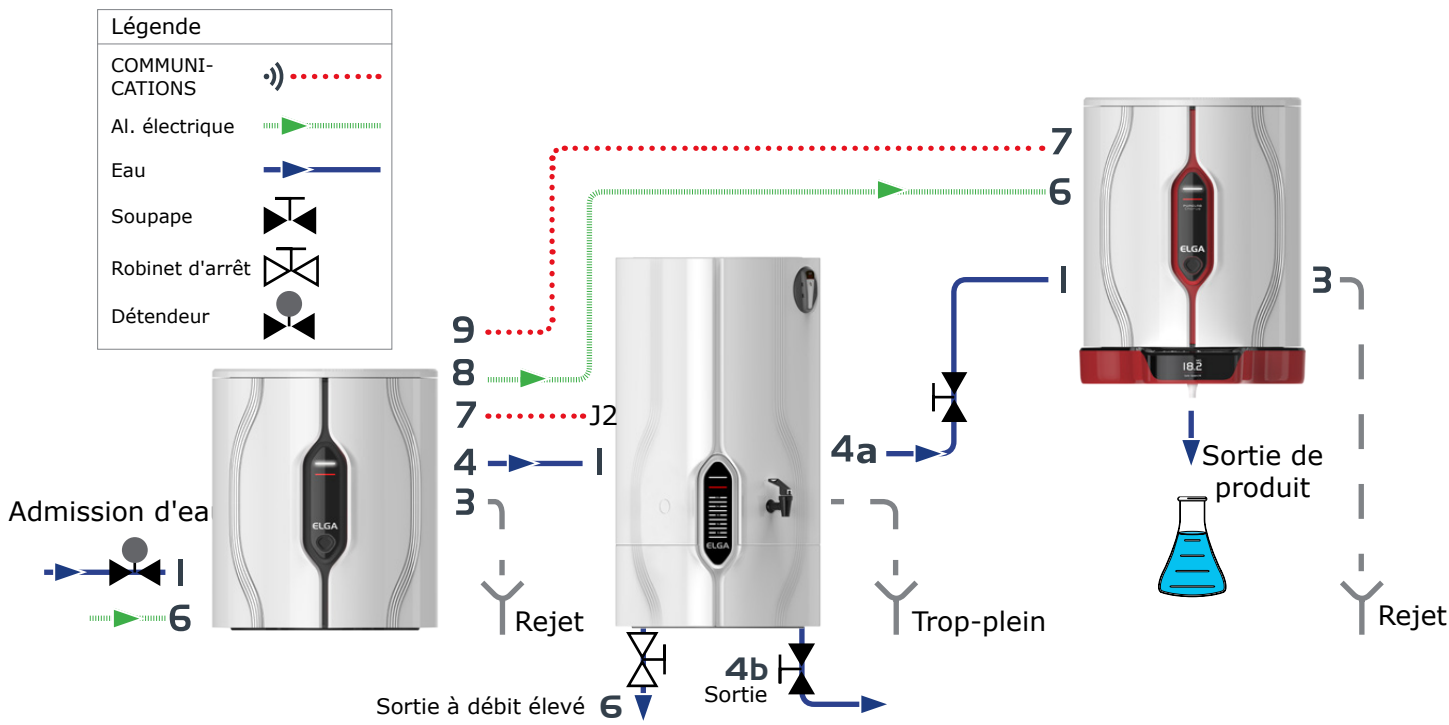
ELGA® est la marque de commerce des laboratoires mondiaux de Veolia Water. PURELAB® est une marque et une technologie de ELGA® LabWater. Dans le cadre de notre politique d'amélioration permanente, nous nous réservons le droit de modifier les spécifications données dans ce document. © 2017 ELGA LabWater/VWS (UK) Ltd. Tous droits réservés.



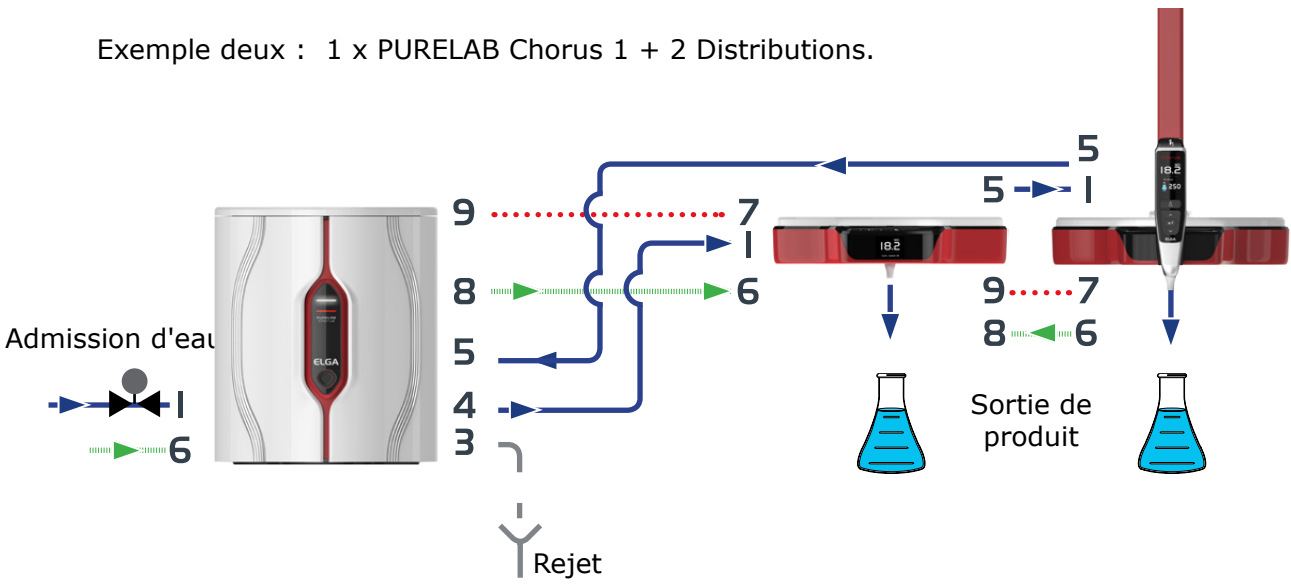
CONFIGURATION DU SYSTÈME

Life Science / Analytical Research / General Science

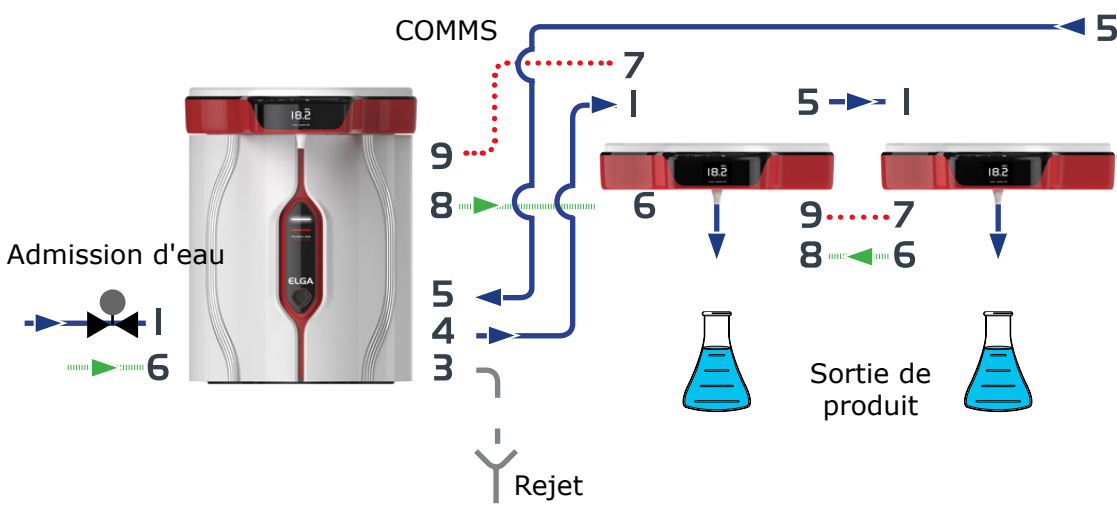
Exemple un : 1 x PURELAB Chorus 3 + Réservoir + Chorus 1 + 1 X Distribution.



Exemple deux : 1 x PURELAB Chorus 1 + 2 Distributions.



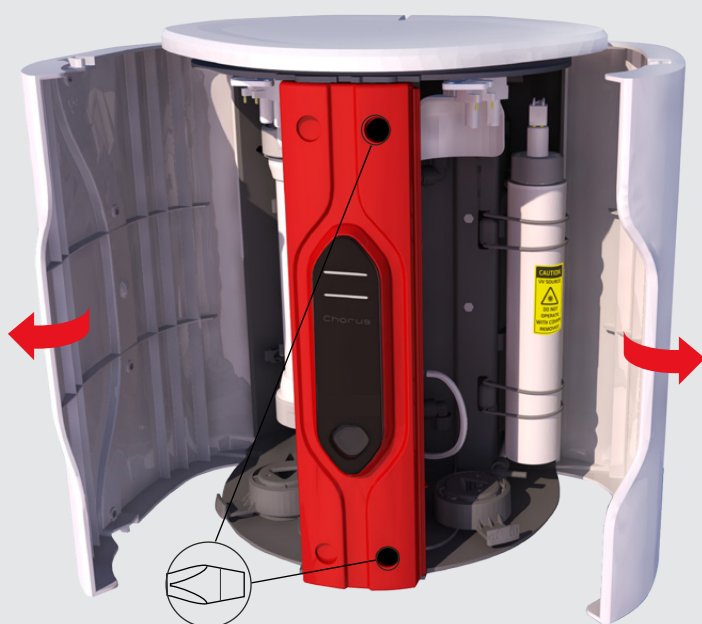
Exemple trois : 1 x PURELAB Chorus 1 + 3 X Distribution.



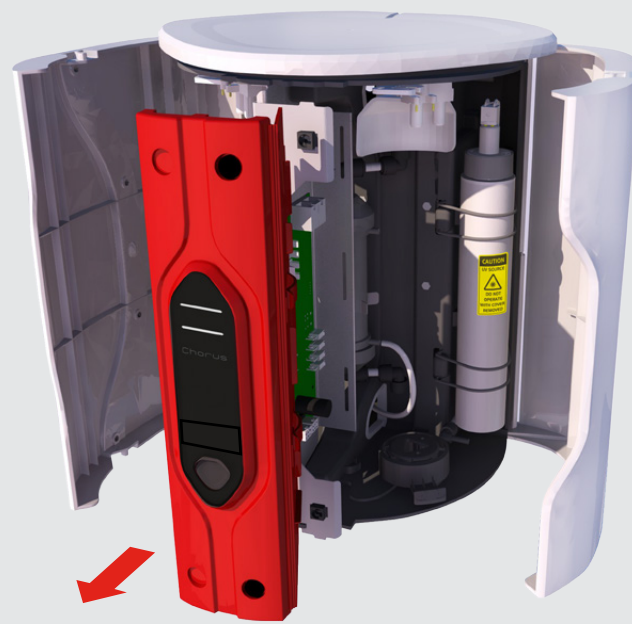
Contactez votre fournisseur local pour toutes configurations plus avancées

la EMPILEMENT MODULAIRE DE MONTAGE SUR BANC RÉSERVOIR EN PARTIE SUPÉRIEURE

Life Science / Analytical Research / General Science

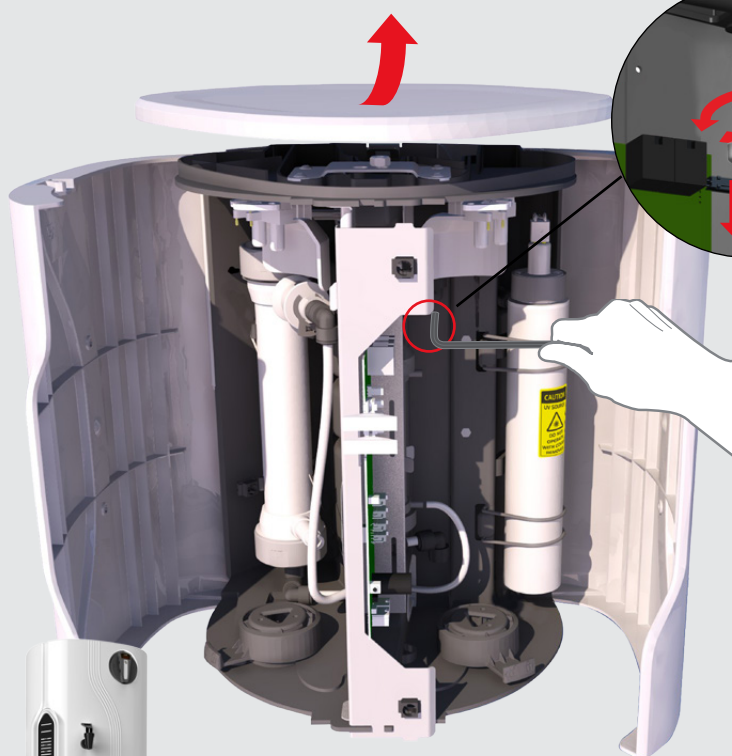


a. Ouvrez les portes et dévissez d'un quart de tour les attaches.

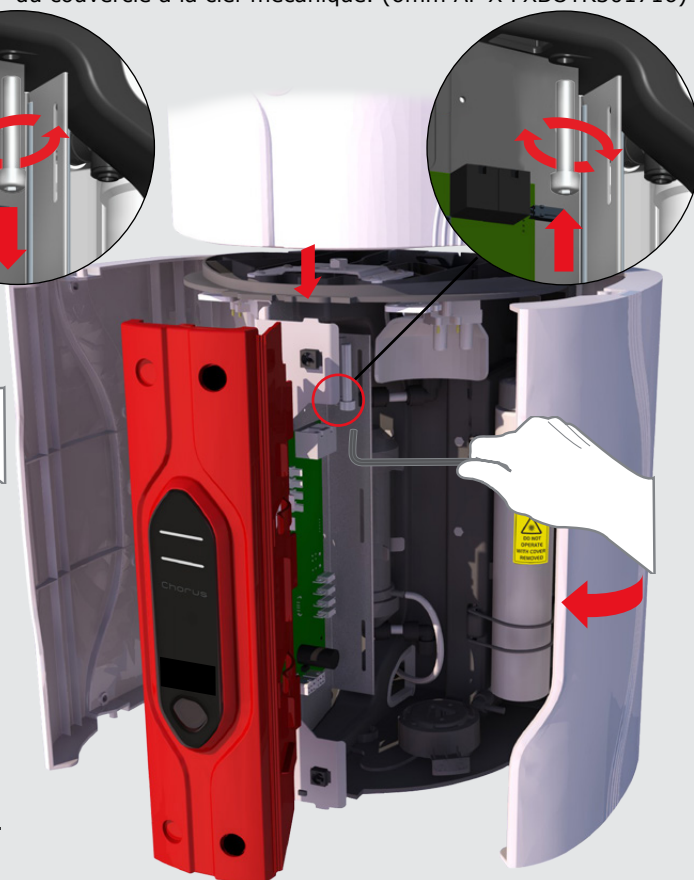


Retirez avec précautions.

b. Retirez le panneau avant et défaits le boulon du couvercle à la clef mécanique. (6mm AF X FXBOYR301716)



c. Retirez la tête du boulon et soulevez le couvercle.



d. Placez le réservoir par dessus, bien en face des trois points. Revissez la tête du boulon, puis repositionnez le panneau avant.

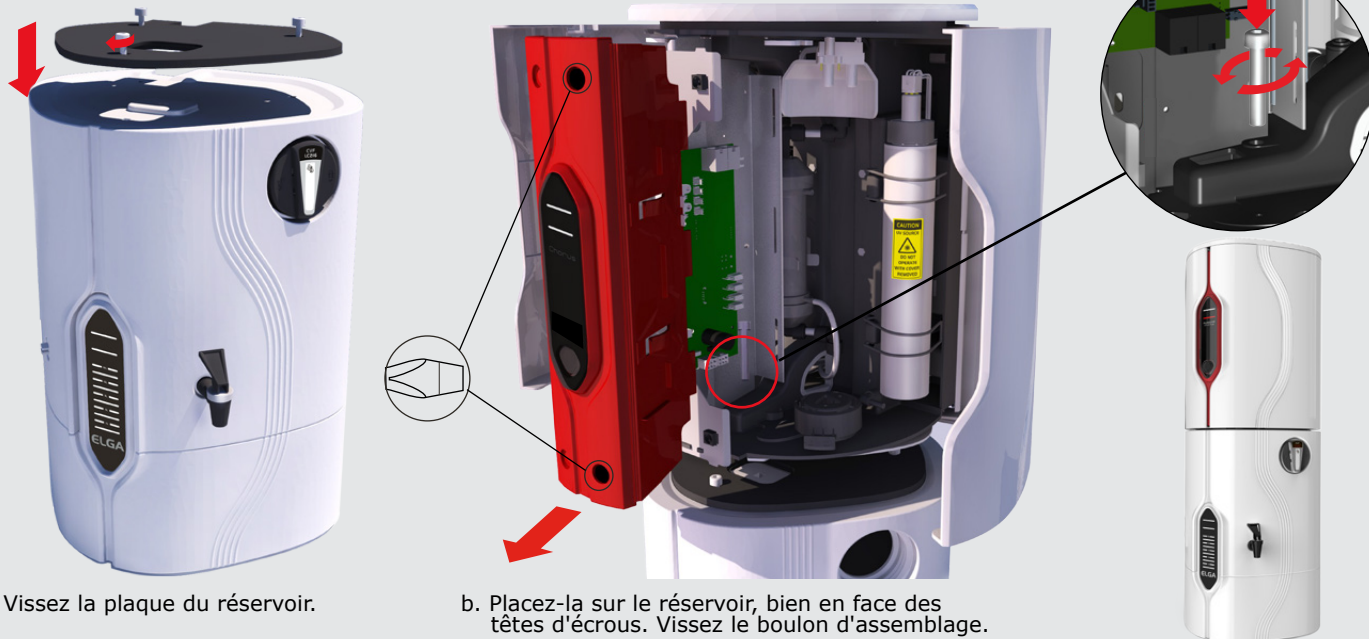
NB. Veuillez consulter le Guide de démarrage rapide de la distribution pour combiner une distribution.



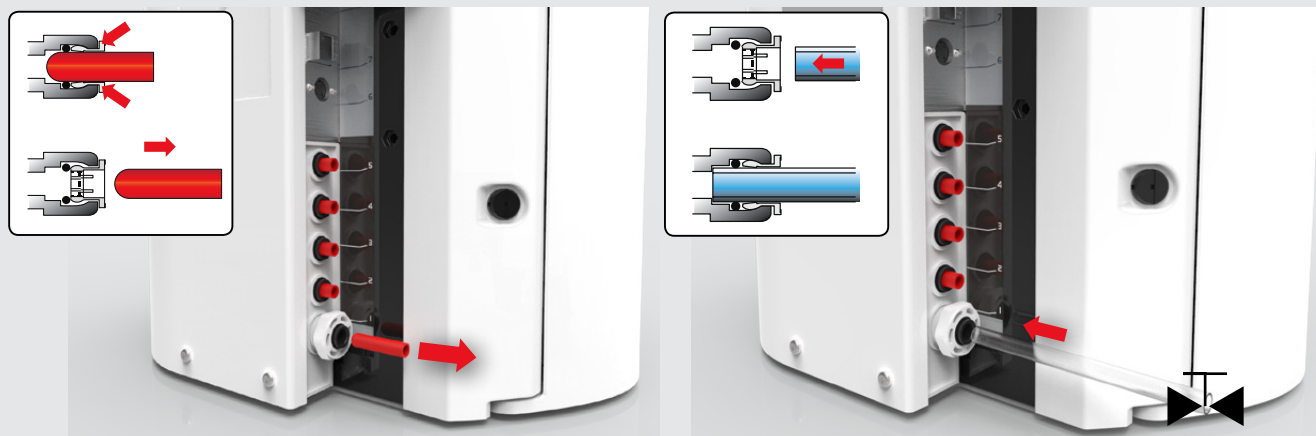
AVERTISSEMENT !

LE SYSTÈME CHORUS EST À PLACER UNIQUEMENT SUR LE RÉSERVOIR.

1b EMPILEMENT MODULAIRE RESERVOIR DESSOUS



2 RACCORDEMENT À L'EAU (PORT NO.1)

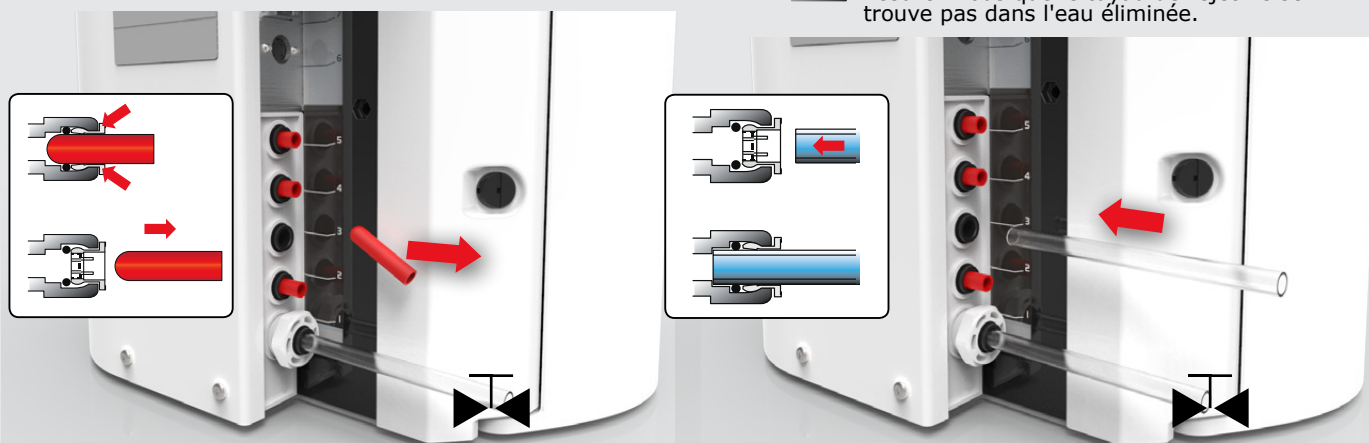


3 RACCORDEMENT DU REJET (PORT NO.3)



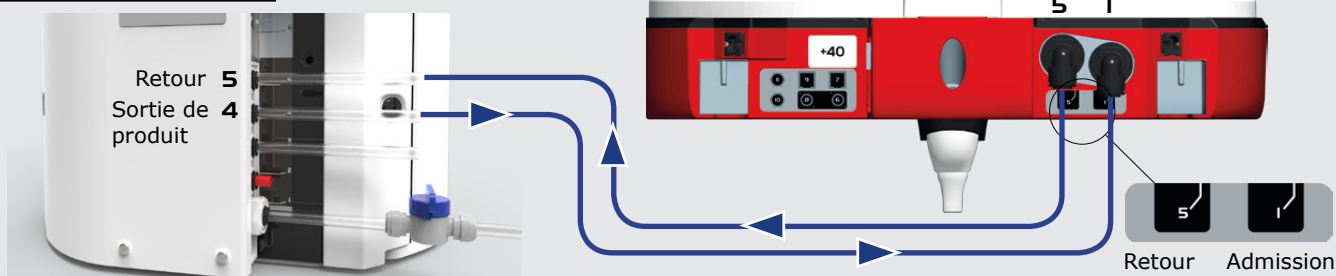
ATTENTION!

Assurez-vous que le tuyau de rejet ne se trouve pas dans l'eau éliminée.

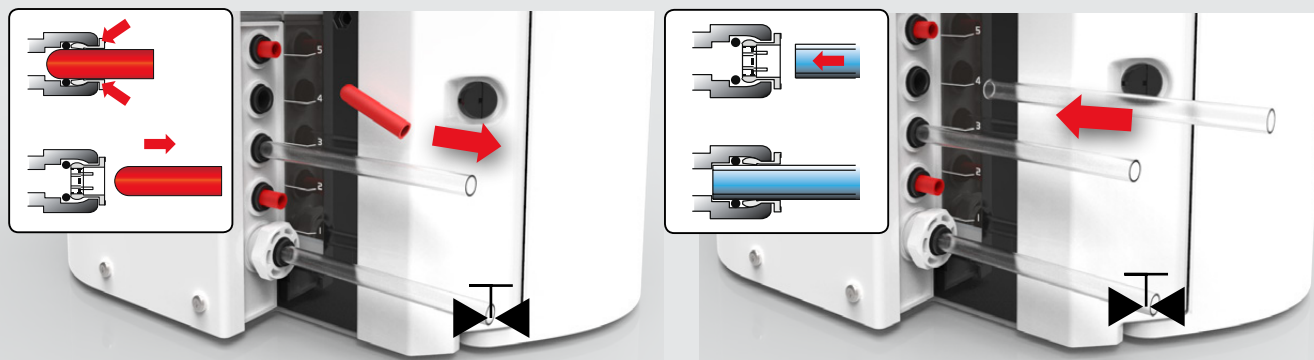


4 DISTRIBUTION DE RETOUR

NB : Veuillez consulter le manuel de distribution pour plus d'informations.



5 RACCORDEMENT DE LA SORTIE D'EAU PURIFIÉE (PORT NO.4)



a. Retirez les bouchons de transport du raccordement de sortie d'eau.

b. Poussez fermement une extrémité du tuyau fourni dans le connecteur d'eau en veillant à sa bonne fixation.

6 RACCORDEMENTS COMMS



Avertissement

UTILISEZ UNIQUEMENT LES CÂBLES COMMS FOURNIS PAR ELGA.



NB. Veuillez consulter le Guide de démarrage rapide de la distribution pour combiner une distribution.

7 SUIVEZ LES INSTRUCTIONS



a. Ouvrez la porte droite.

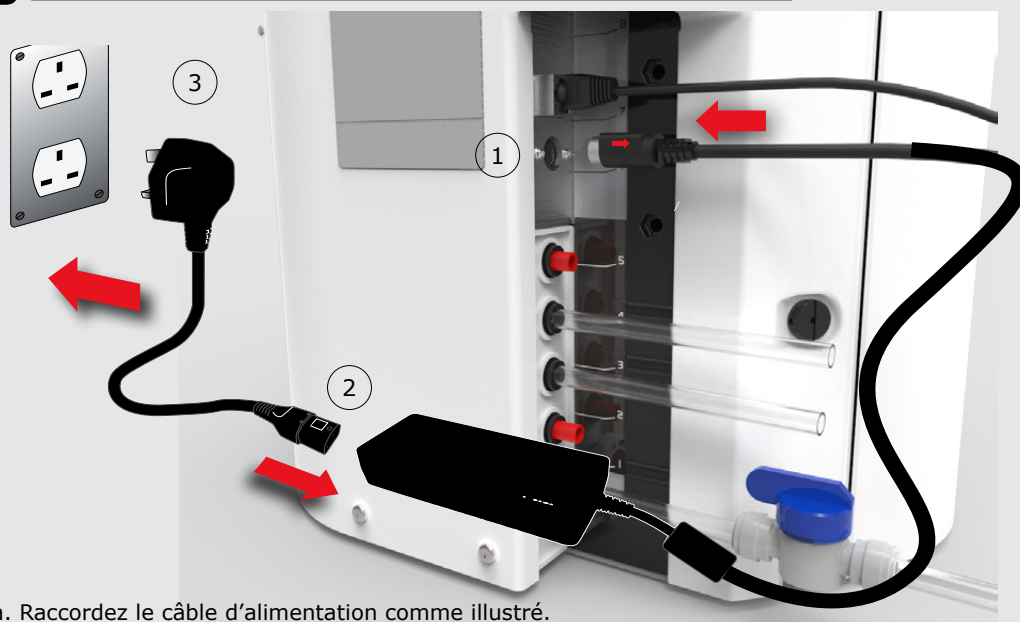


b. Insérez le purificateur et tournez la poignée.



c. Vérifiez que tout est bien fixé.

8 RACCORDEMENT À L'ALIMENTATION (PORT NO.6)



a. Raccordez le câble d'alimentation comme illustré.

b. Utilisez uniquement l'alimentation fournie avec le Chorus.
L'alimentation électrique doit être reliée à la terre.



c. **APPUYEZ UNE FOIS**
pour lancer le mode Mise en service. Le voyant rouge du bas clignotera jusqu'à la fin du cycle.

Environ 80 minutes



AVERTISSEMENT !

UTILISEZ UNIQUEMENT LA PRISE DE COURANT DE L'APPAREIL ET L'ALIMENTATION FOURNIES. SI L'APPAREIL N'EST PAS UTILISÉ COMME ELGA LE RECOMMANDE, LA PROTECTION FOURNIE PAR L'ÉQUIPEMENT PEUT S'EN TROUVER AFFECTÉE. POSITIONNEZ L'ALIMENTATION DE SORTE QU'ELLE NE PUISSE PAS ENTRER EN CONTACT AVEC DE L'EAU.

Les spécialistes de l'eau de laboratoire



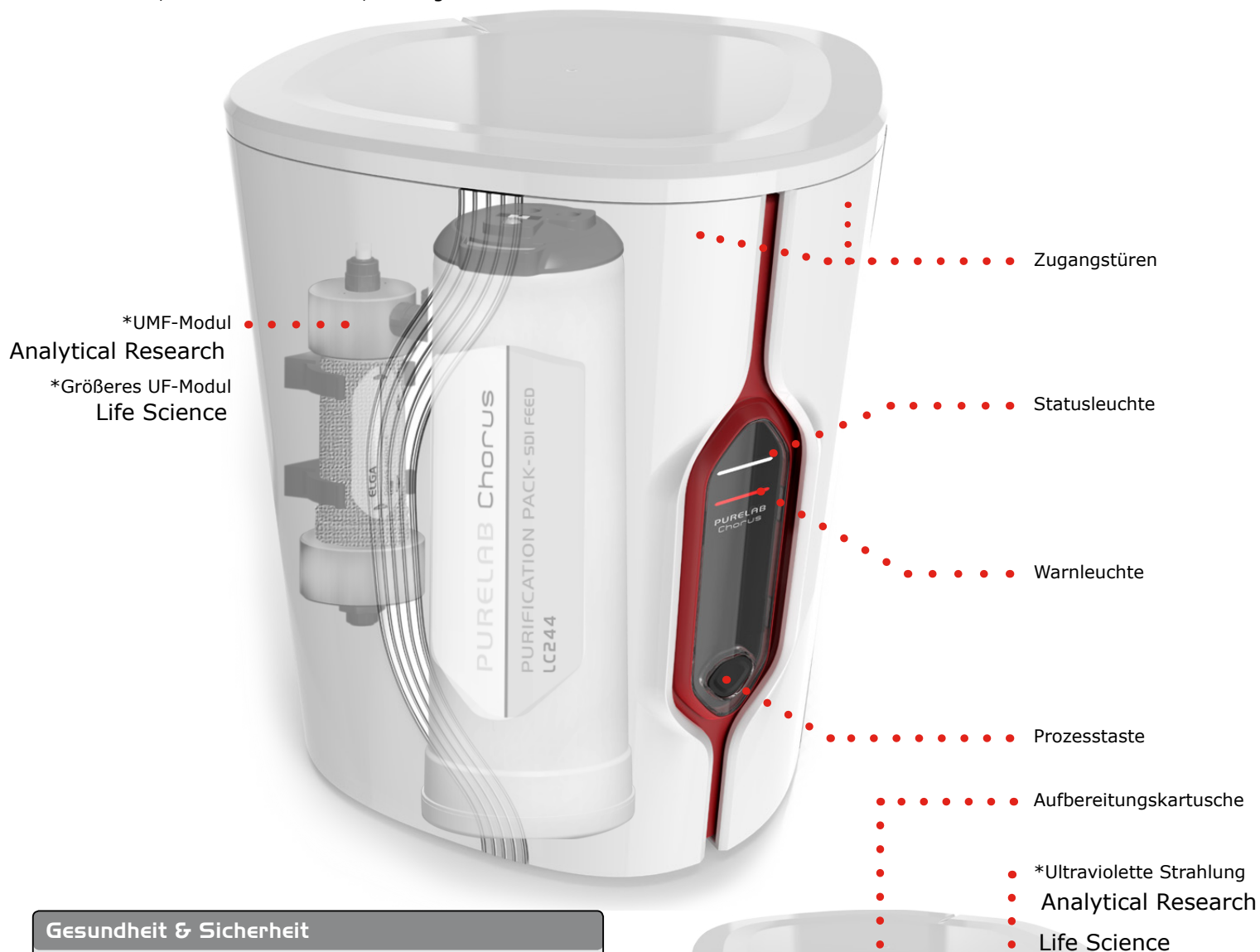
PURELAB®
Chorus



Willkommen

Vielen Dank für den Kauf von PURELAB® Chorus 1.

Bitte lesen Sie, bevor Sie fortfahren, die folgenden Gesundheits - und Sicherheitshinweise.



Gesundheit & Sicherheit

Bitte beachten Sie die in dieser Anleitung angegebenen Sicherheitsinformationen. Bitte beachten Sie die in dieser Anleitung angegebenen Sicherheitsinformationen. Bei Nichtbeachten dieser Hinweise kann es zur Beschädigung des Geräts, von Prozessen, verbundenen Geräten sowie zur Verletzung oder zum Tod von Personen kommen.

1. Ultraviolette Strahlung

WARNUNG!



DIE LAMPE DARF AUF KEINEN FALL AUSSERHALB DES GEHÄUSES ANGESCHLOSSEN ODER AKTIVIERT WERDEN. EXPOSITION KANN ZU SCHWEREN AUGEN- UND HAUTSCHÄDEN FÜHREN.

2. Restliche Konservierungsstoffe

WARNUNG!



WÄHREND DES INBETRIEBNAHMEZYKLUS WERDEN SPUREN VON KONSERVIERUNGSTOFFEN AUS DEM SYSTEM GESPÜLT. EIN SICHERHEITSDATENBLATT IST AUF ANFRAGE ERHÄLTLICH.

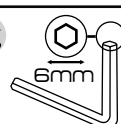
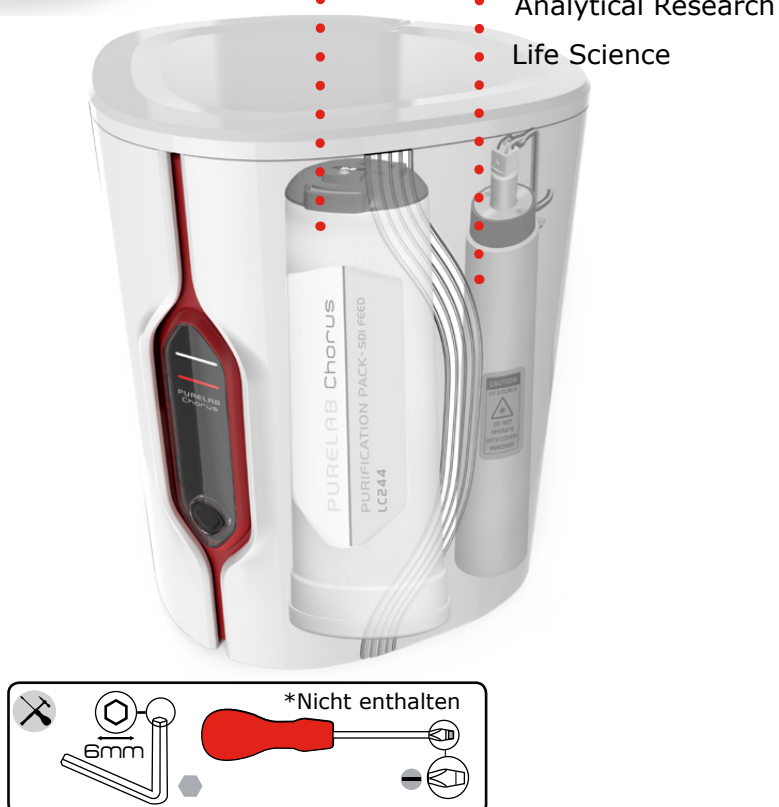
Kontrolle gesundheitsgefährdender Substanzen (COSHH)

Sicherheitsdatenblätter sind auf Anfrage erhältlich.

ELGA Labwater
Tel: +44 (0) 203 567 7300
E-Mail: info@elgalabwater.com

Fax: +44 (0) 203 567 7205
Website: www.elgalabwater.com

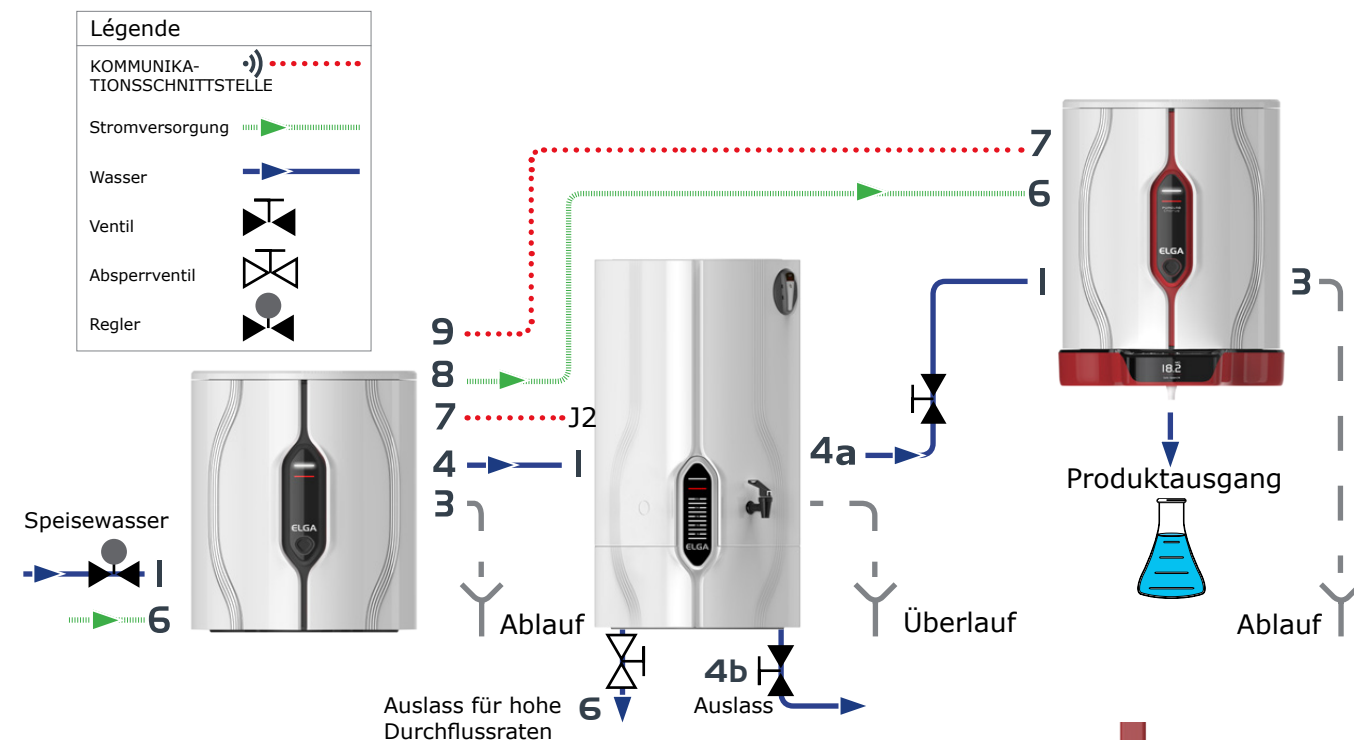
ELGA® ist der weltweit eingetragene Markenname für Laborwasser der Veolia Water PURELAB® ist eine Handelsmarke und Technologie von ELGA® Labwater. Aufgrund unserer Philosophie der kontinuierlichen Produktverbesserung behalten wir uns das Recht vor, die technischen Daten in dieser Anleitung jederzeit zu ändern.
© 2017 ELGA LabWater/VWS (UK) Ltd. Alle Rechte vorbehalten.



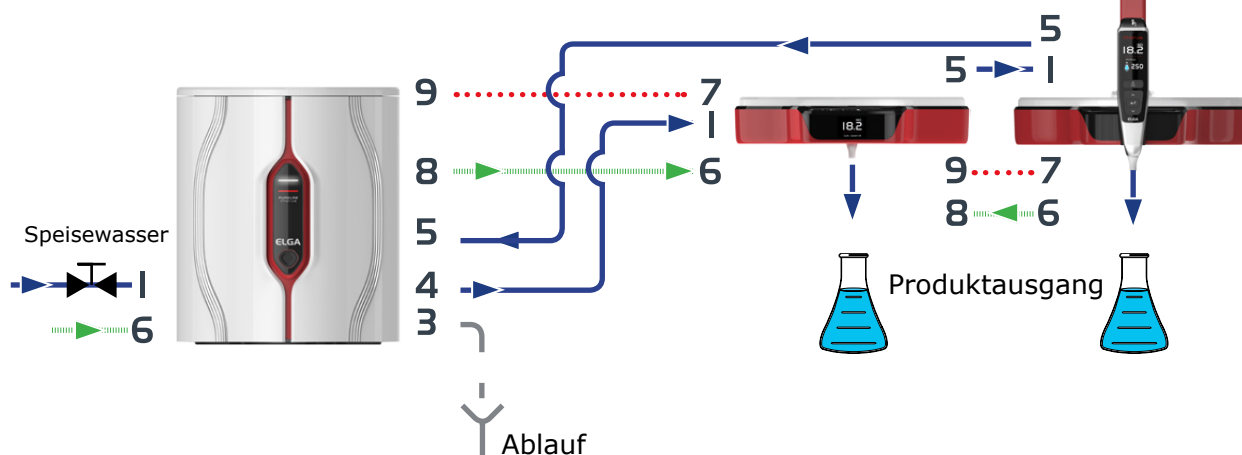
*Nicht enthalten

SYSTEMKONFIGURATION Life Science / Analytical Research / General Science

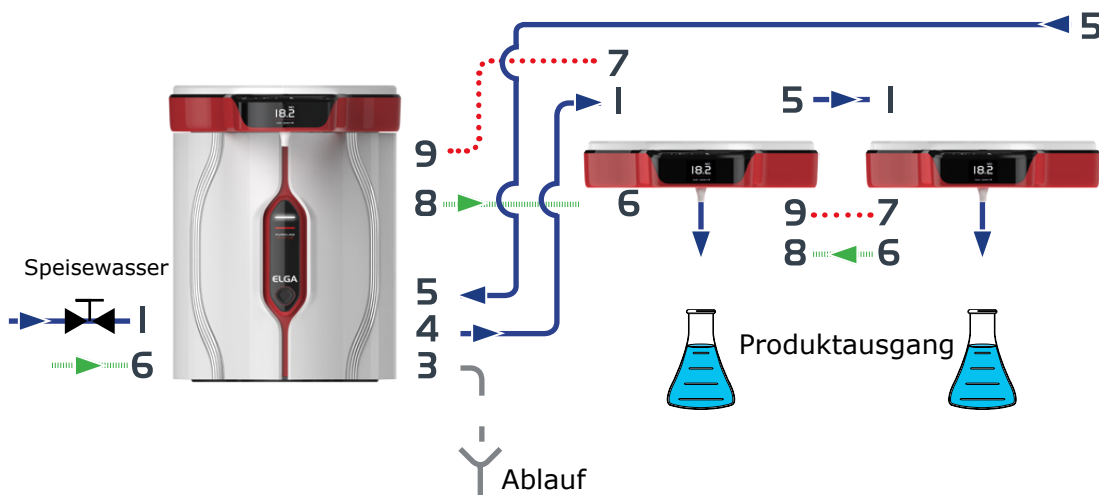
Beispiel 1: 1 x PURELAB® Chorus 3 + Tank + Chorus 1 + 1 x Spender.



Beispiel 2: 1 x PURELAB® Chorus 1 + 2 Spender.



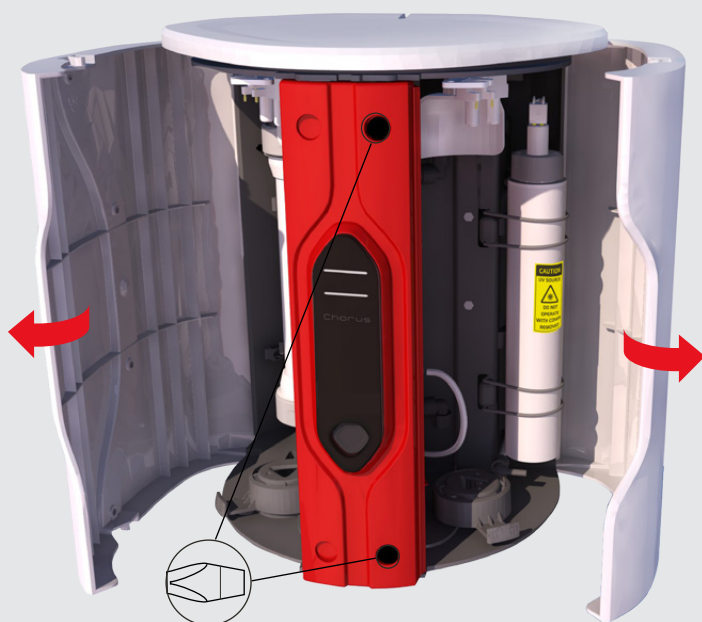
Beispiel 3: 1 x PURELAB® Chorus 1 + 3 x Spender.



Kontaktieren Sie bitte Ihre zuständigen Serviceunternehmen für weitere Konfigurationsbeispiele.

Ia AUF EINEM TISCH BEFESTIGTE MODULABLAGE, EHÄLTER OBEN

PC1LSCXM2 / PC1ANRXM2 / PC1GSCM2

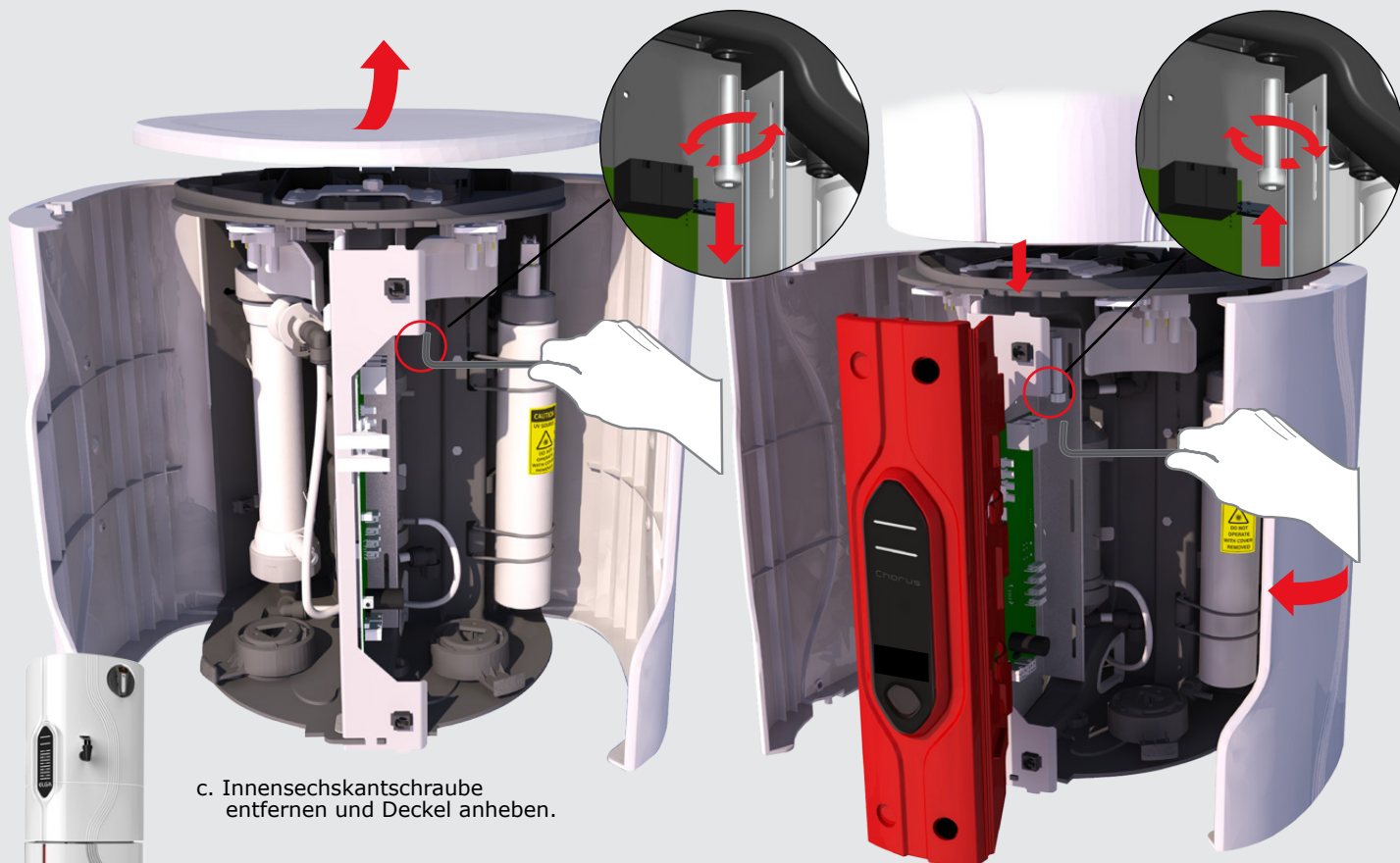


a. Türen öffnen und Verschlüsse um eine Vierteldrehung lösen.



Vorsichtig entfernen.

b. Vorderwand entfernen und Deckelschraube mit Innensechskantschlüssel lösen. (6mm AF X FXBOYR301716)



c. Innensechskantschraube entfernen und Deckel anheben.

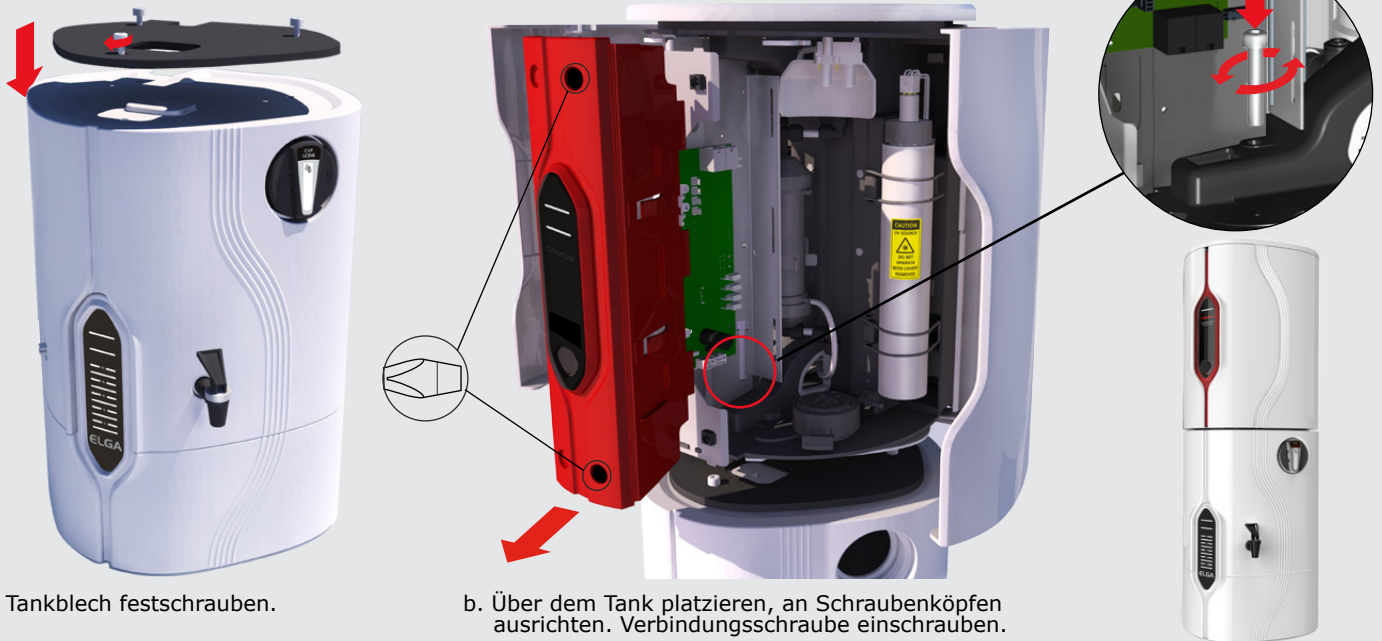
d. Tank oben platzieren und an den drei Punkten ausrichten. Innensechskantschraube wieder einschrauben, dann Vorderwand montieren.

ANM. Bitte berücksichtigen Sie die Kurzanleitung zum Anschluss eines Spenders.

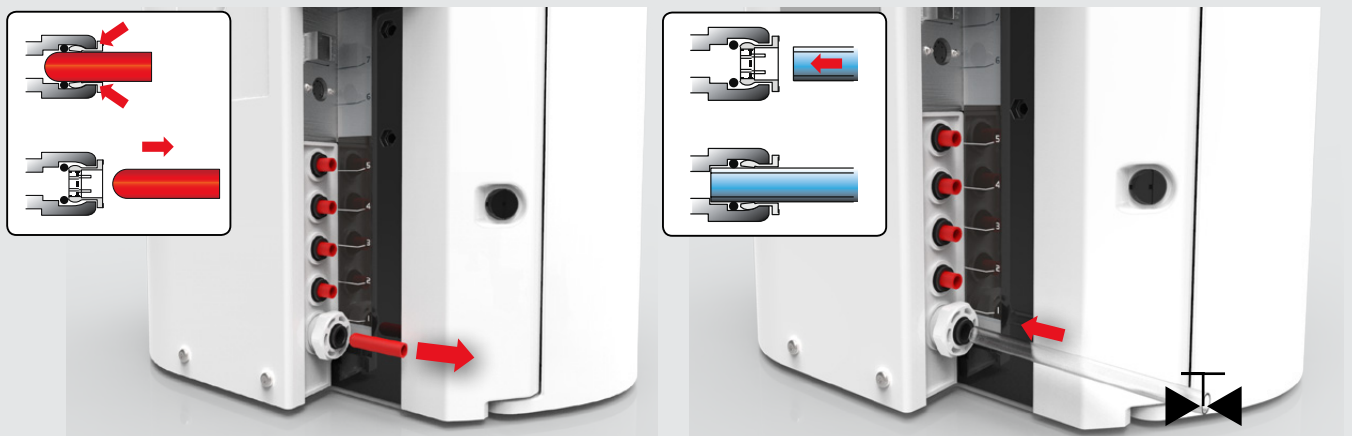
**WARNUNG!**

HÖCHSTENS EIN CHORUS-SYSTEM AUF DEM TANK PLATZIEREN.

1b MODULARES AUFSTAPELN RESERVOIR UNTERHALB

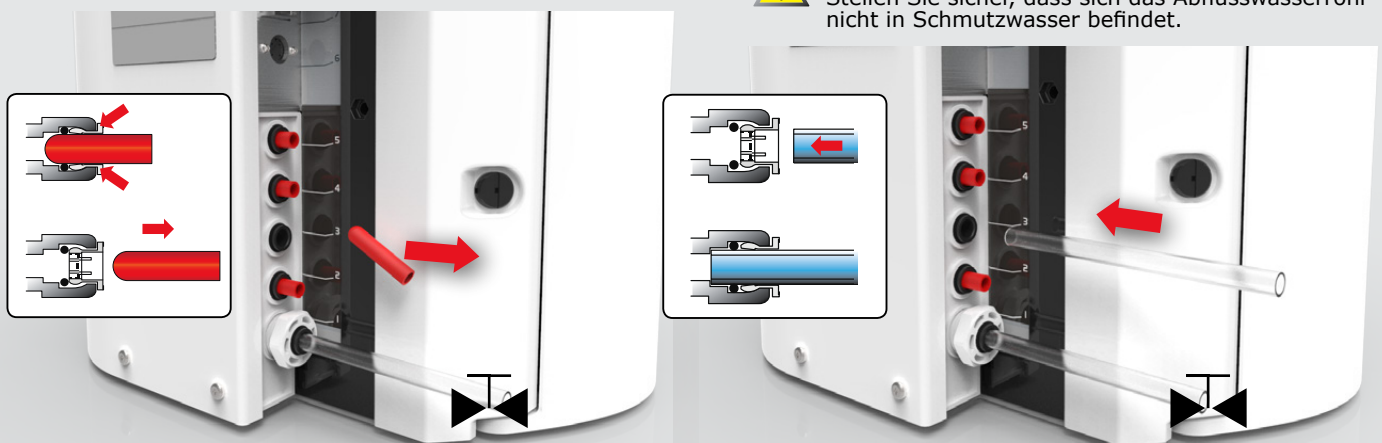


2 WASSER ANSCHLIESSEN (Anschluss Nr. 1)



3 ABFLUSS ANSCHLIESSEN (Anschluss Nr. 3)

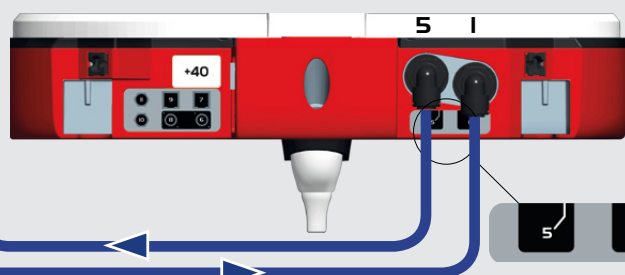
VORSICHT!
Stellen Sie sicher, dass sich das Abflusswasserrohr nicht in Schmutzwasser befindet.



4 RÜCKLAUFDISPENSER

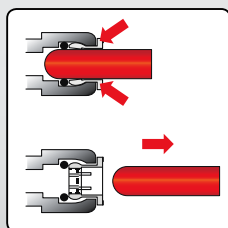
Rücklauf 5
Produktausgang 4

ANM.: Weitere Informationen finden Sie im Spender-Handbuch.

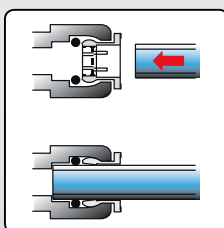


Rücklauf Zulauf

5 REINSTWASSERAUSGANG ANSCHLIESSEN (Anschluss Nr. 4)



a. Transportstöpsel aus dem Wasserauslassanschluss entfernen.



b. Den mitgelieferten Schlauch nehmen und ein Ende fest in den Wasseranschluss drücken.

6 COMMS-ANSCHLÜSSE



Warnung!
BITTE VERWENDEN SIE NUR VON ELGA®
GELIEFERT KABEL.



Reservoir J2
or J1

Siehe Reservoir
Installationsanleitung.

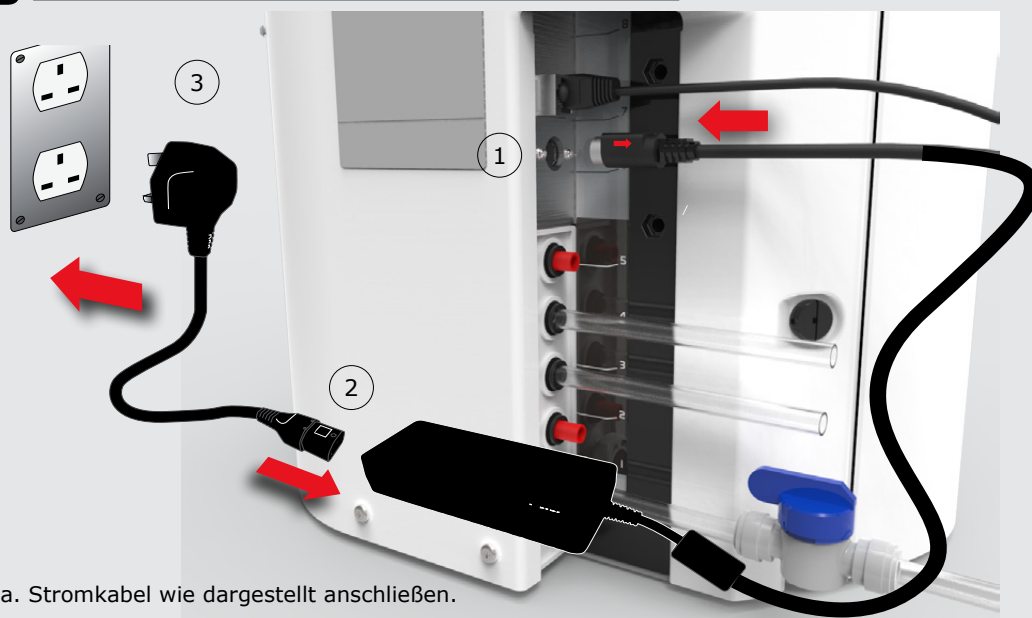
ANM. Bitte berücksichtigen Sie die Kurzanleitung zum Anschluss eines Spenders.

7 ANWEISUNGEN BEFOLGEN



- a. Öffnen Sie die rechte Tür. b. Aufbereitungskartuschen einführen und Griff drehen. c. Sicherstellen, dass es gesichert ist.

8 STROM ANSCHLIESSEN (Anschluss Nr. 6)



- a. Stromkabel wie dargestellt anschließen.
b. Nur die mit dem Chorus mitgelieferte Stromversorgung verwenden.
Die Stromversorgung muss geerdet sein.

- c. **EINMAL DRÜCKEN**,
um Inbetriebnahme-Modus
zu starten. Die untere rote
Lampe blinkt bis der
Kreislauf beendet ist.

Ca. 80 Minuten



WARNUNG!

NUR MITGELIEFERTE GERÄTESTECKVORRICHTUNG (NETZKABEL) UND STROMVERSORUNG VERWENDEN.
WIRD DAS GERÄT AUF EINE NICHT VON ELGA FESTGELEGTE ART UND WEISE VERWENDET, KÖNNTE DER VOM GERÄT
GELIEFERTE SCHUTZ BEEINTRÄCHTIGT WERDEN. STROMVERSORUNG SO POSITIONIEREN, DASS EIN KONTAKT MIT
WASSER AUSGESCHLOSSEN IST.

Die Laborwasserexperten

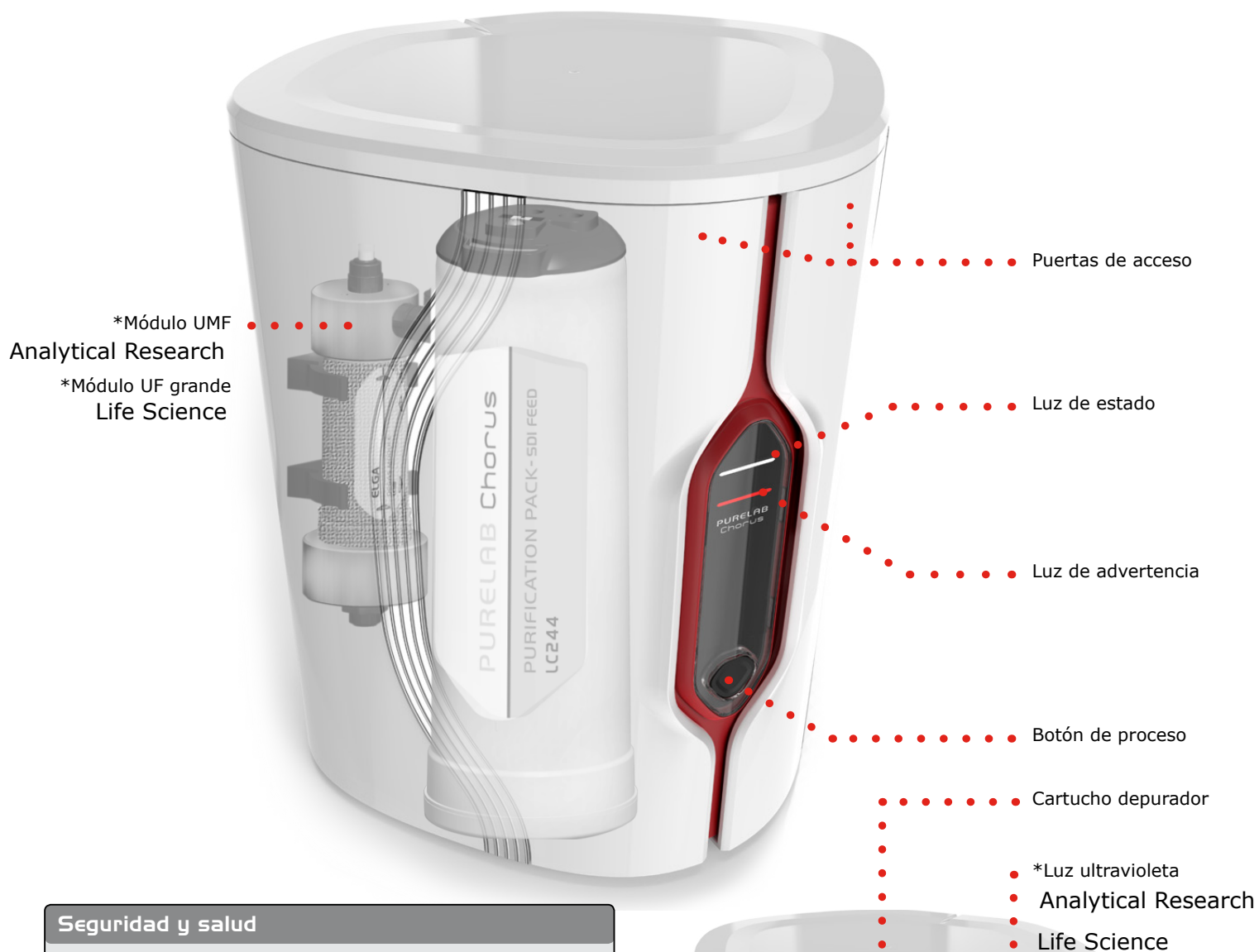


PURELAB®
Chorus



Bienvenido

Gracias por comprar PURELAB® Chorus 1. Lea los siguientes avisos sobre Salud y Seguridad antes de continuar.



Seguridad y salud

Por favor, cumpla las notas de seguridad indicadas en la presente hoja de instrucciones. Por favor, cumpla las notas de seguridad indicadas en la presente hoja de instrucciones. El incumplimiento de tales instrucciones supone un peligro de muerte y podría provocar daños en los equipos, procesos y equipos asociados.

1. Luz ultravioleta



¡ADVERTENCIA!

NO CONECTAR NI ACTIVAR BAJO NINGUNA CIRCUNSTANCIA LA LÁMPARA CUANDO ESTÉ FUERA DE SU LUGAR. SU EXPOSICIÓN PUEDE PROVOCAR DAÑOS GRAVES EN LOS OJOS Y LA PIEL.

2. Conservante residual



¡ADVERTENCIA!

DURANTE EL CICLO DE PUESTA EN SERVICIO INICIAL LAS TRAZAS DE CONSERVANTES RESIDUALES SE ELIMINAN DEL SISTEMA MEDIANTE ENJUAGUE. EXISTE UNA FICHA DE DATOS DE SEGURIDAD DEL MATERIAL A DISPOSICIÓN DE QUIEN LA SOLICITE.

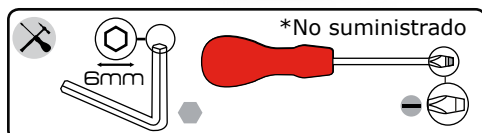
Control de sustancias con riesgo para la salud (COSHH)

Existen fichas de datos de seguridad de los materiales a disposición de quien la solicite.

ELGA Labwater
Tel: +44 (0) 203 567 7300
Email: info@elgalabwater.com

Fax: +44 (0) 203 567 7205
Website: www.elgalabwater.com

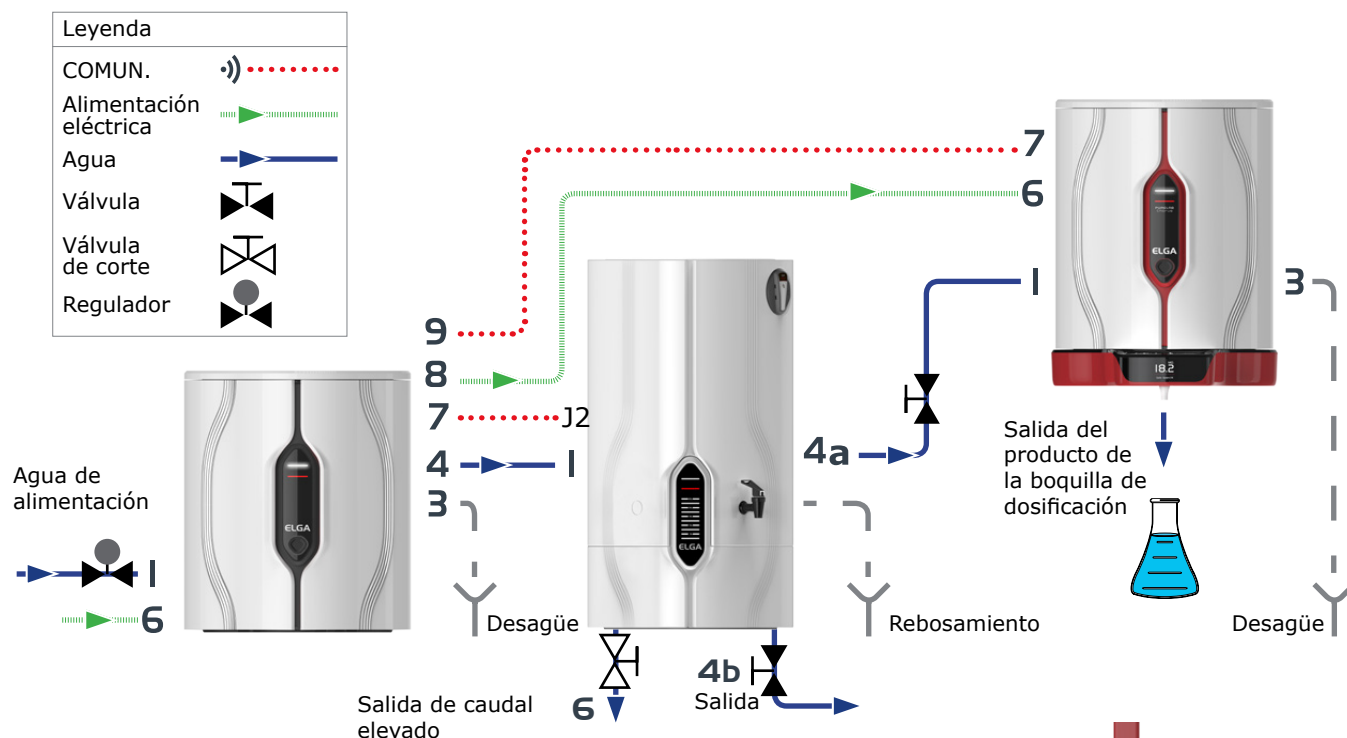
ELGA® es el nombre de la marca internacional para aguas de laboratorio de Veolia Water. PURELAB® es una tecnología y marca comercial de ELGA® Labwater. Según nuestra política de mejora continua nos reservamos el derecho a modificar las especificaciones indicadas en esta guía.
© 2017 ELGA Labwater/VWS (UK) Ltd. Todos los derechos reservados.



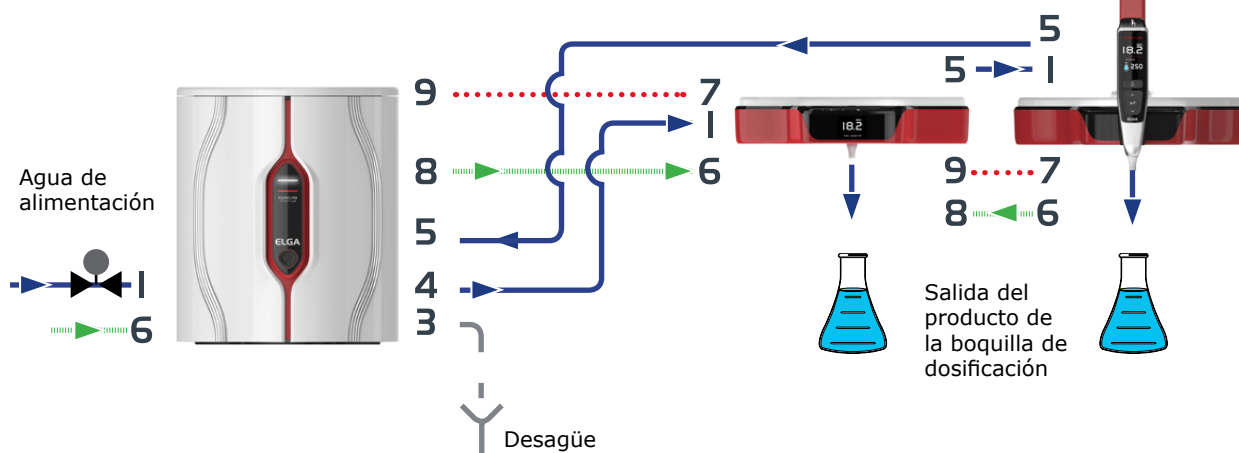
CONFIGURACIÓN DEL SISTEMA

Life Science / Analytical Research / General Science

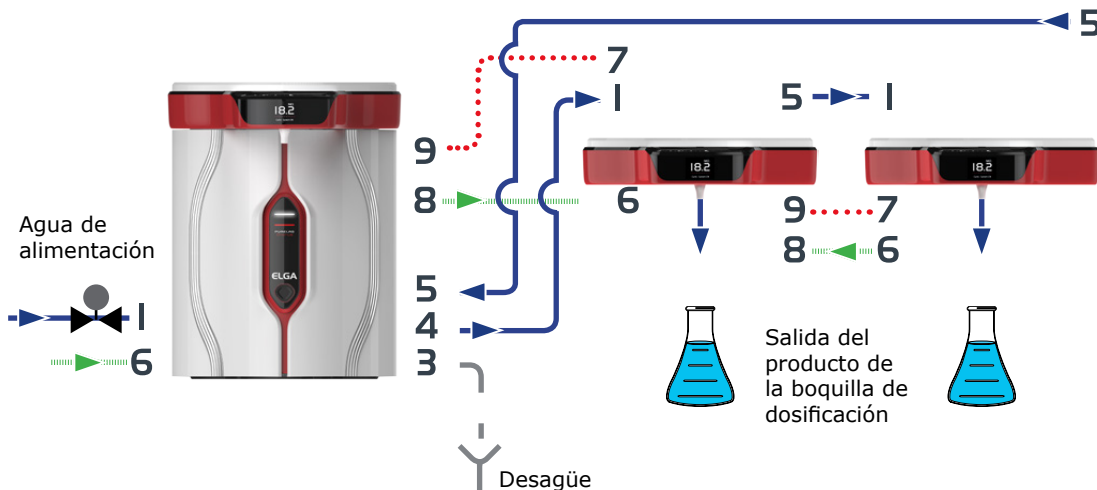
Ejemplo uno: 1 X PURELAB® Chorus 3 + Depósito + Chorus 1 + 1 X Dispensador.



Ejemplo dos: 1 X PURELAB® Chorus 1 + 2 X Dispensadores.



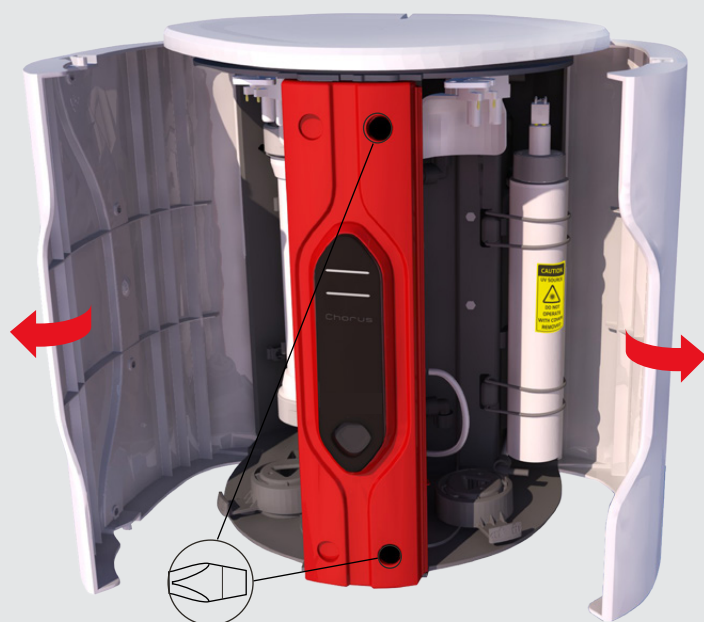
Ejemplo tres: 1 X PURELAB® Chorus 1 + 3 X Dispensadores.



Contactar con entidades de servicio locales para configuraciones adicionales

Ia APILAMIENTO MODULAR DE MONTAJE EN BANCO DEPÓSITO EN LA PARTE SUPERIOR

PC1LSCXM2 / PC1ANRXM2 / PC1GSCM2

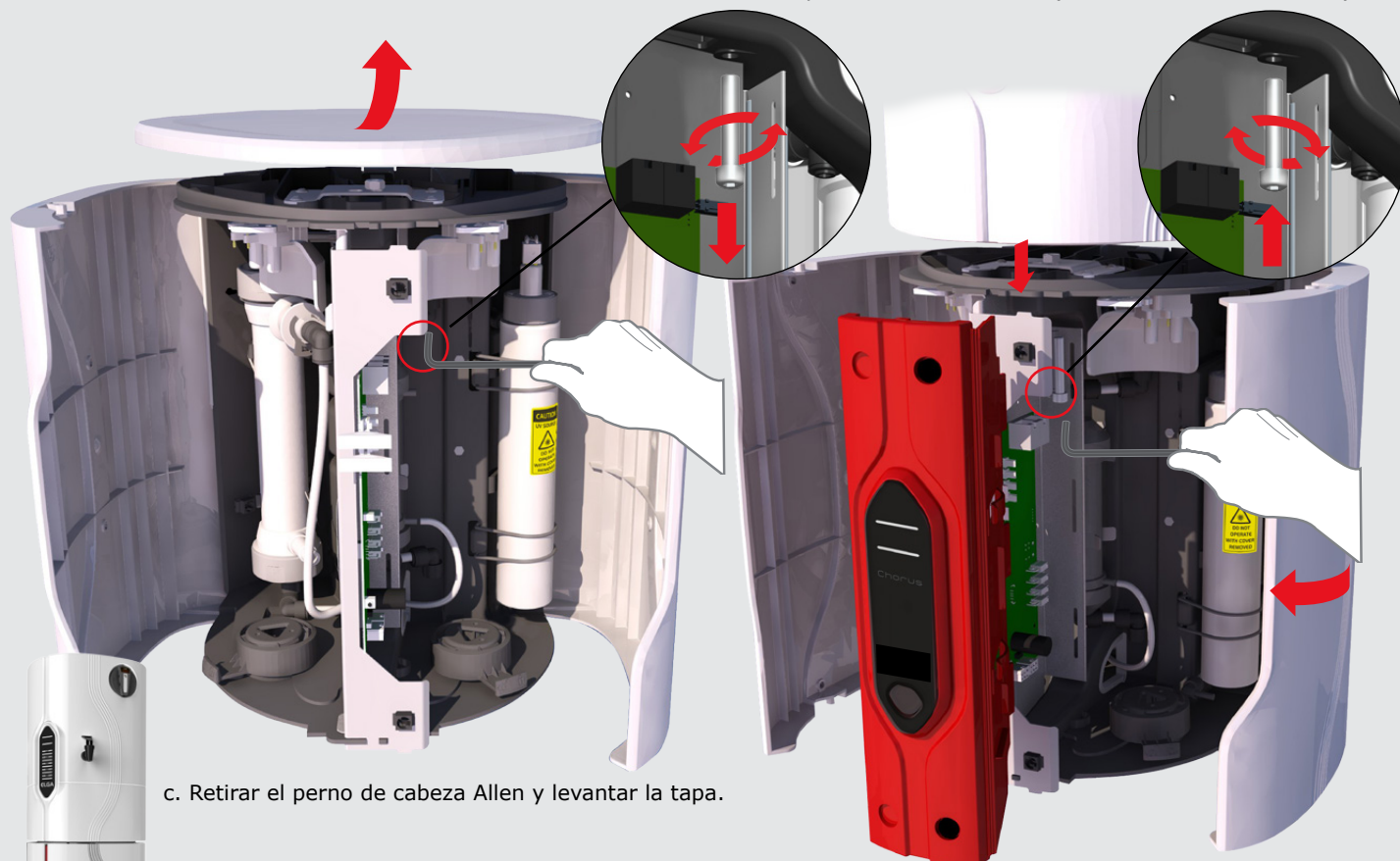


a. Abrir las puertas y desapretar las sujeciones un cuarto de vuelta.



Retirar cuidadosamente

b. Retirar el panel delantero y destornillar el perno de la tapa con una llave Allen. (6mm AF X FXBOYR301716)



c. Retirar el perno de cabeza Allen y levantar la tapa.

d. Colocar el depósito en la parte superior, alinear con los tres puntos. Atornillar el perno de cabeza Allen antes de colocar de nuevo el panel delantero.

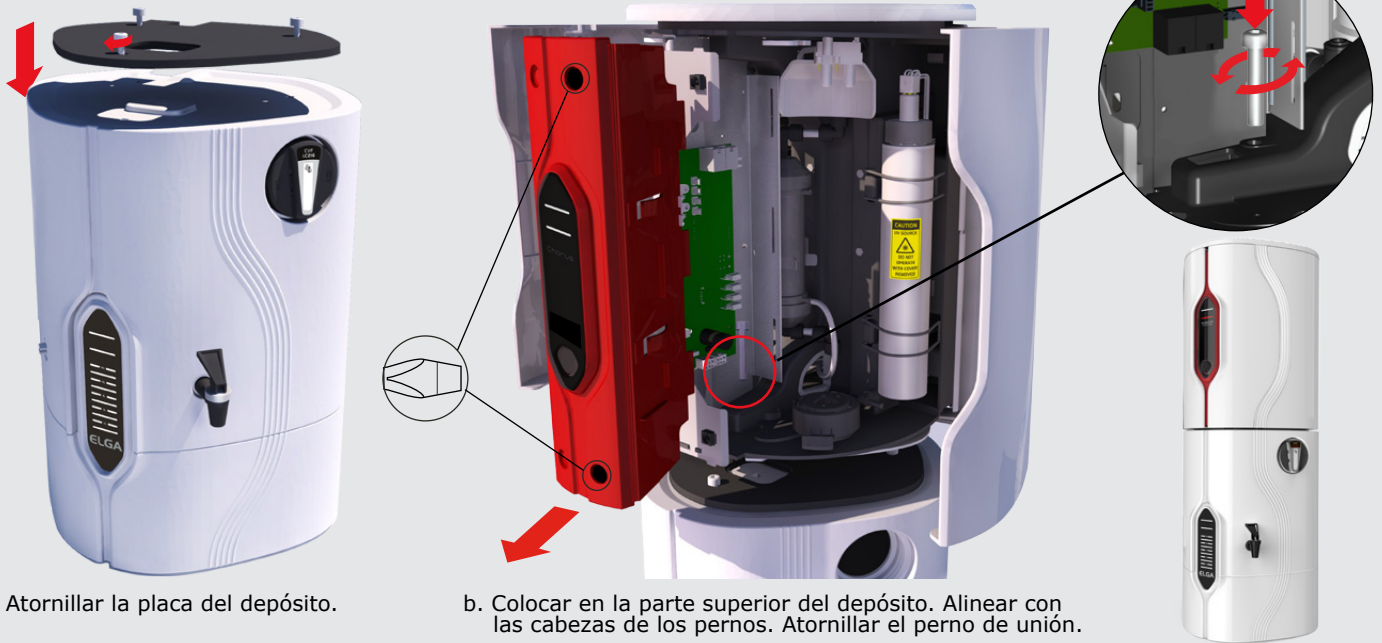
NOTA Consultar la Guía de Inicio Rápido del dispensador para combinar un dispensador.



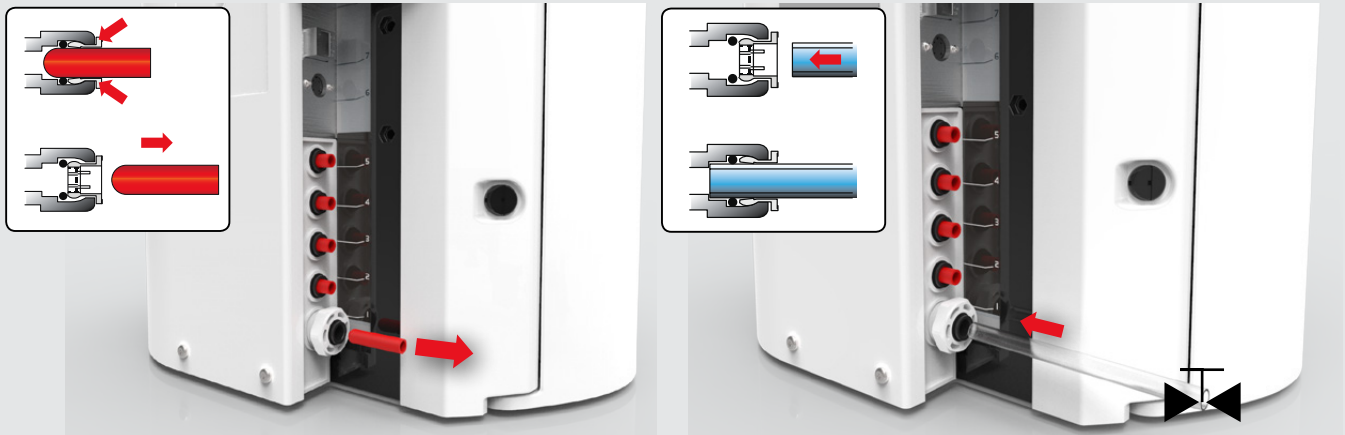
¡ADVERTENCIA!

COLOCAR SOLAMENTE UN SISTEMA CHORUS EN LA PARTE SUPERIOR DEL DEPÓSITO.

1b APILAMIENTO MODULAR RESERVORIO DEBAJO



2 CONECTAR EL AGUA (Nº DE PUERTO 1)

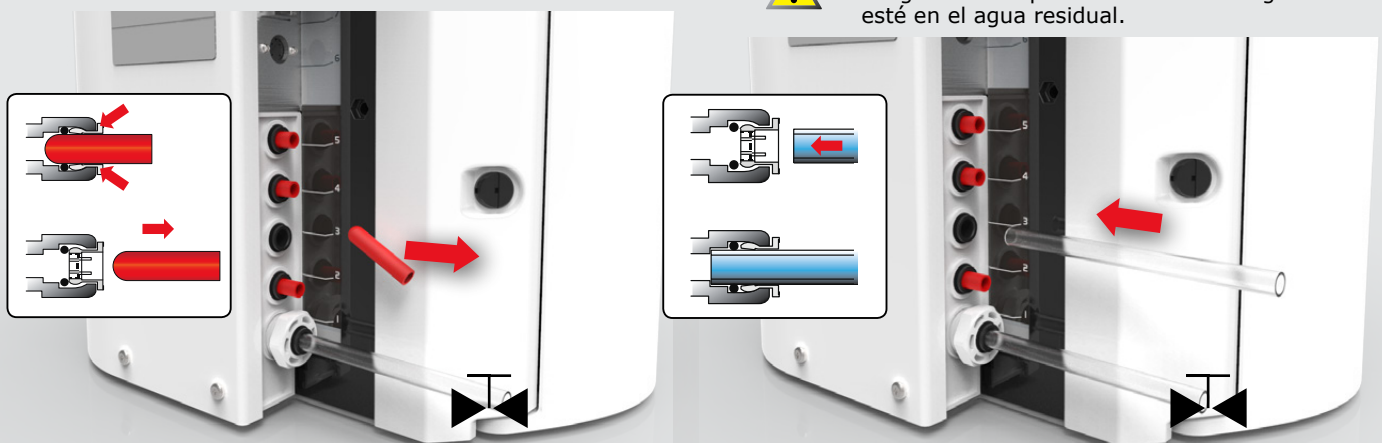


3 CONECTAR EL DESAGÜE (Nº DE PUERTO 3)



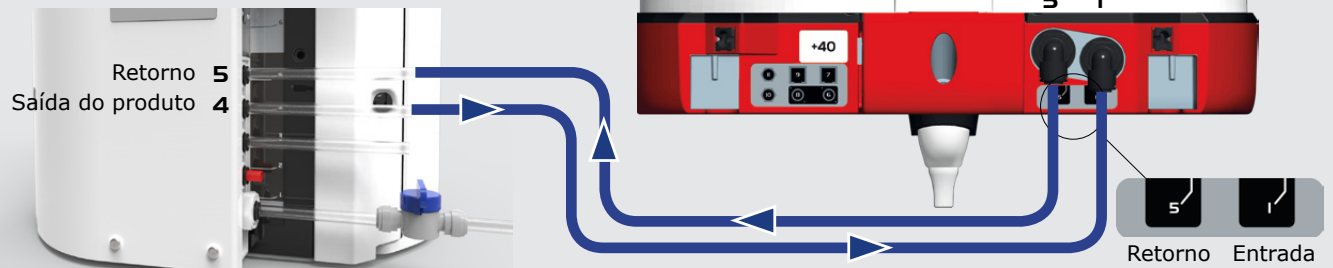
¡PRECAUCIÓN!

Asegurarse de que la tubería de desagüe no esté en el agua residual.

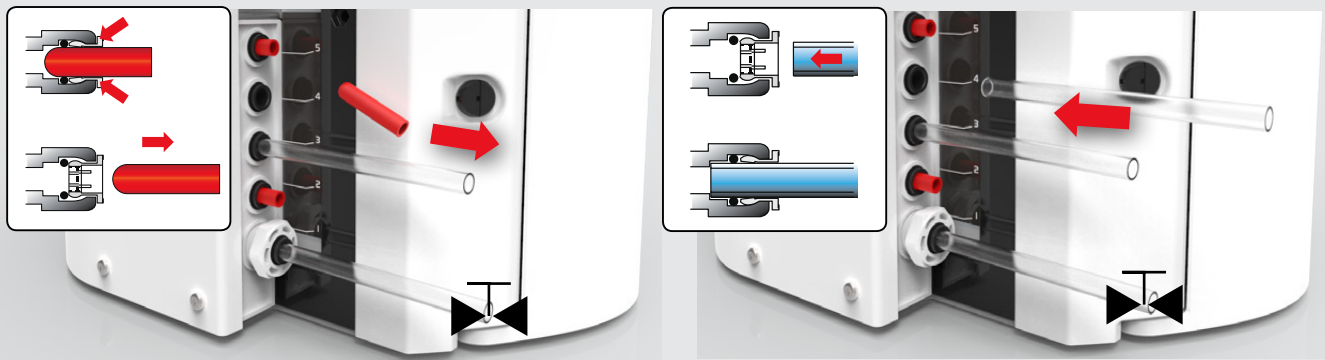


4 RETORNO DEL DISPENSADOR

NOTA: Consultar el manual del dispensador para más información.



5 CONECTAR LA SALIDA DE AGUA DEPURADA (Nº PUERTO 4)



a. Retirar los tapones de transporte de la conexión de salida del agua.

b. Con el tubo suministrado, introducir con seguridad un extremo por el conector de agua.

6 CONEXIONES DE COMUNICACIONES



Advertencia

UTILIZAR SOLAMENTE EL CABLE DE COMUNICACIONES SUMINISTRADO POR ELGA.



NOTA Consultar la Guía de Inicio Rápido del dispensador para combinar un dispensador.

7 SEGUIR LAS INSTRUCCIONES



a. Abrir la puerta derecha.

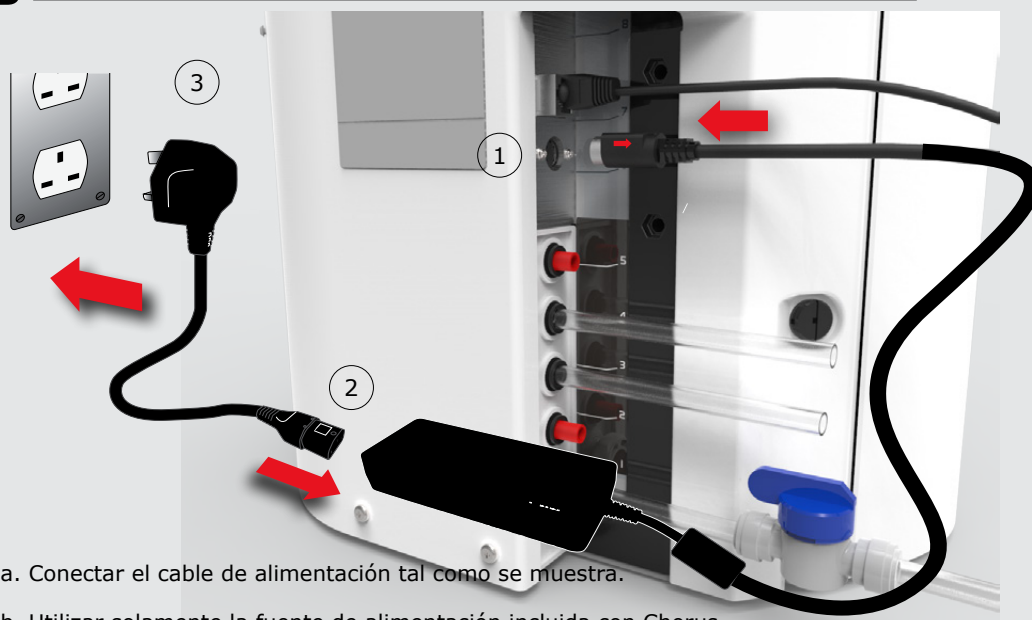


b. Insertar el cartucho depurador y girar el mango.



c. Asegurarse de que quede fijo.

8 CONECTAR LA ALIMENTACIÓN ELÉCTRICA (PUERTO N° 6)



a. Conectar el cable de alimentación tal como se muestra.

b. Utilizar solamente la fuente de alimentación incluida con Chorus. La fuente de alimentación debe estar conectada a tierra.

c. **PULSAR UNA VEZ** para iniciar el modo "Puesta en servicio". La luz roja inferior parpadeará hasta que termine el ciclo.

Unos 80 minutos

¡ADVERTENCIA!



UTILIZAR EXCLUSIVAMENTE EL ENCHUFE DE DISPOSITIVO (CABLE DE RED) Y LA ALIMENTACIÓN SUMINISTRADOS. SI EL EQUIPO SE UTILIZA DE MODO DIFERENTE AL ESPECIFICADO POR ELGA, NO SE GARANTIZA EL CORRECTO FUNCIONAMIENTO DE LA PROTECCIÓN FACILITADA. COLOCAR LA FUENTE DE ALIMENTACIÓN DE MODO QUE NO PUEDA ENTRAR EN CONTACTO CON AGUA.

Los especialistas en aguas de laboratorio



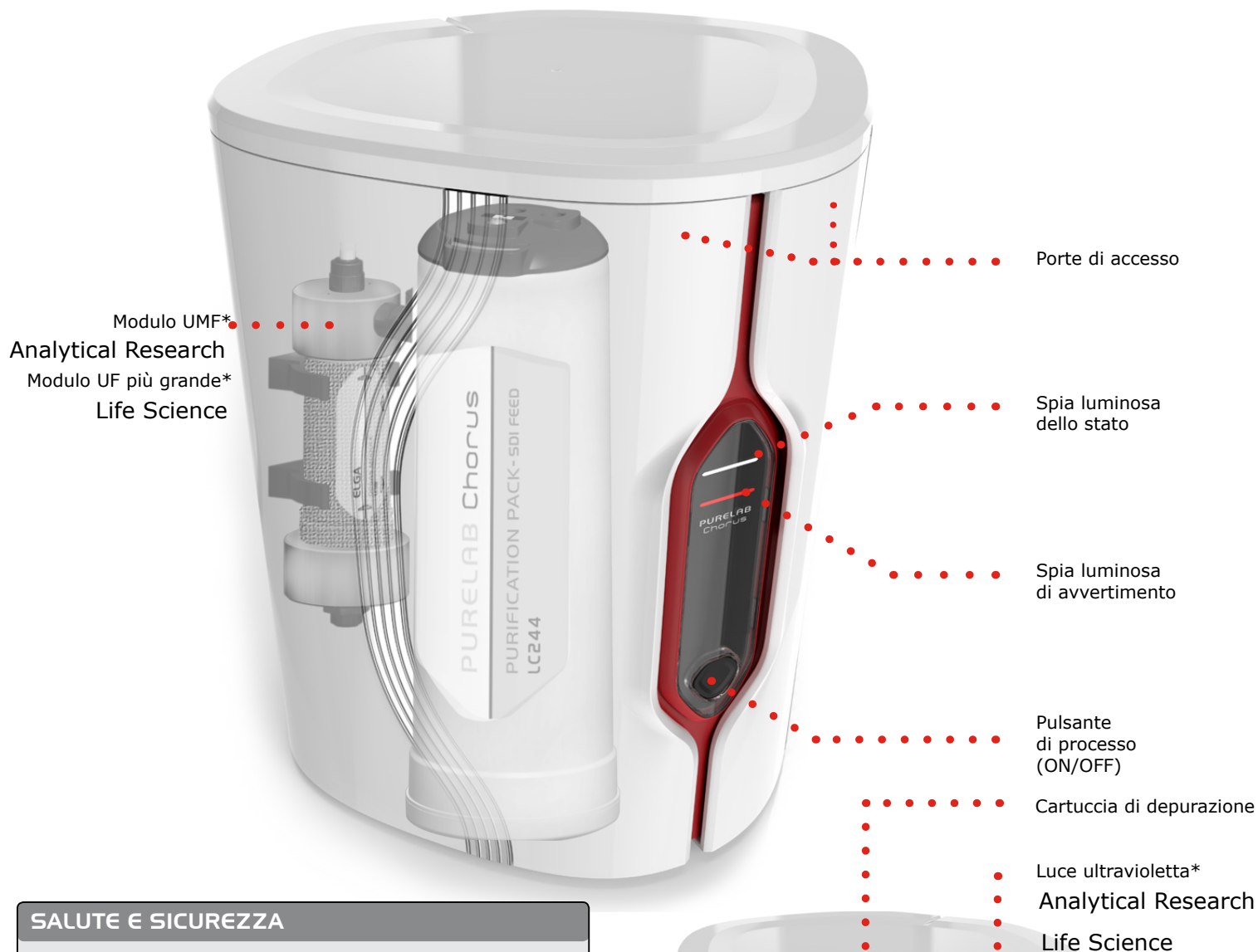
PURELAB®
Chorus



Benvenuti

Grazie per aver acquistato il Chorus 1 PURELAB®.

Leggere le seguenti informazioni sulla salute e la sicurezza prima di procedere.



SALUTE E SICUREZZA

Seguire le informazioni sulla sicurezza illustrate nel presente foglio. Seguire le informazioni sulla sicurezza illustrate nel presente foglio. La mancata osservanza delle presenti istruzioni potrebbe provocare danni alle apparecchiature, ai processi, alle apparecchiature associate e alle persone con lesioni o morte.

1. Luce ultravioletta

AVVERTENZA!



LA LUCE NON DEVE ESSERE COLLEGATA O ATTIVATA IN NESSUN CASO QUANDO SI TROVA FUORI DALL'ALLOGGIAMENTO. L'ESPOSIZIONE POTREBBE PROVOCARE LESIONI GRAVI A OCCHI E CUTE.

2. Conservante residuo

AVVERTENZA!



DURANTE LA MESSA IN FUNZIONE, IL CONSERVANTE RESIDUO DELLE TRACCE DI CICLO È ELIMINATO DAL SISTEMA. UNA SCHEDA TECNICA DI SICUREZZA SUI MATERIALI È DISPONIBILE A RICHIESTA.

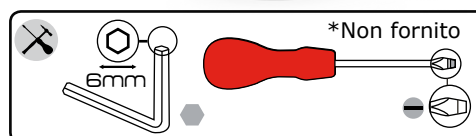
Controllo delle sostanze pericolose per la salute (COSHH)

Schede tecniche di sicurezza sui materiali sono disponibili a richiesta.

ELGA Labwater
Tel: +44 (0) 203 567 7300
Email: info@elgalabwater.com

Fax: +44 (0) 203 567 7205
Website: www.elgalabwater.com

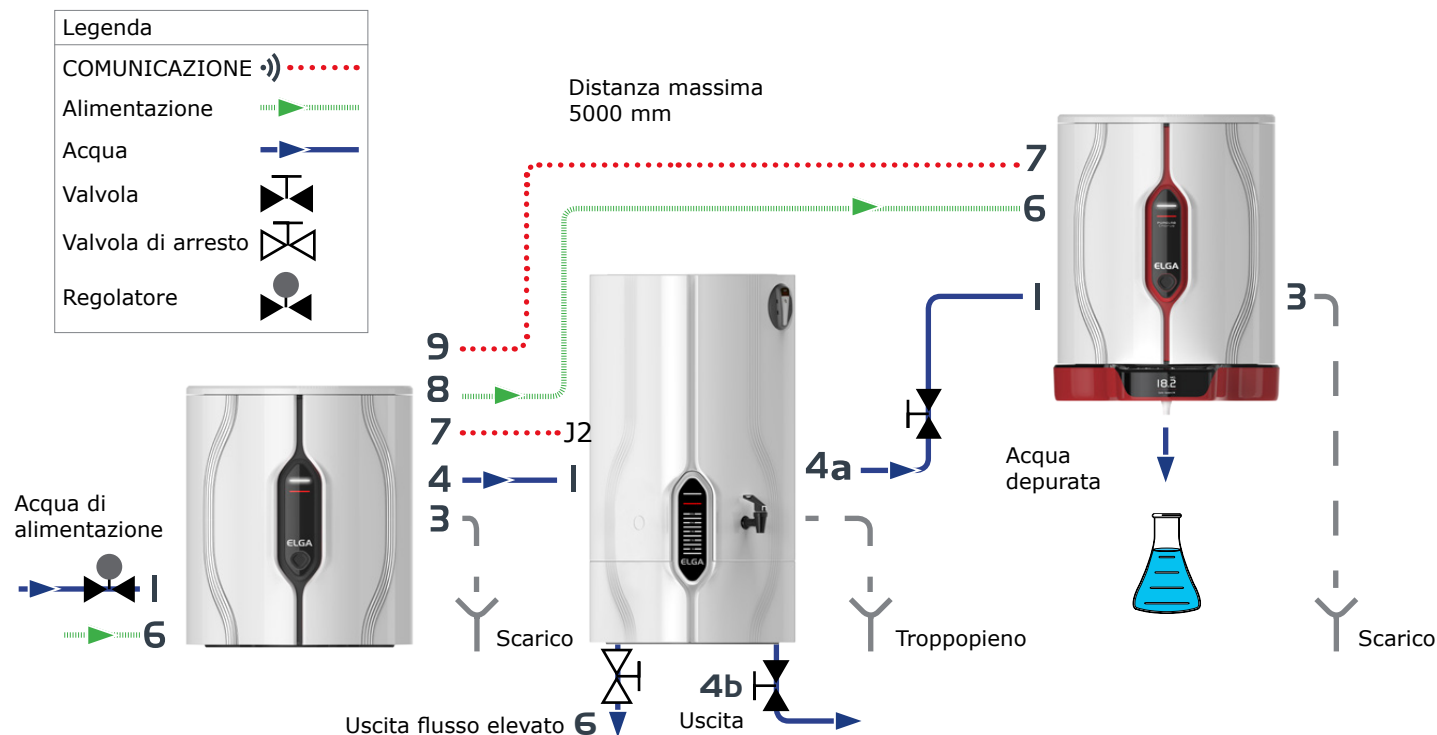
ELGA® è il marchio di laboratorio globale di Veolia Water. PURELAB® è il marchio commerciale e la tecnologia di ELGA Labwater. In base a una politica aziendale di continuo miglioramento, ci riserviamo il diritto di modificare le specifiche fornite nella presente guida. © 2017 ELGA Labwater/VWS (UK) Ltd. Tutti i diritti riservati.



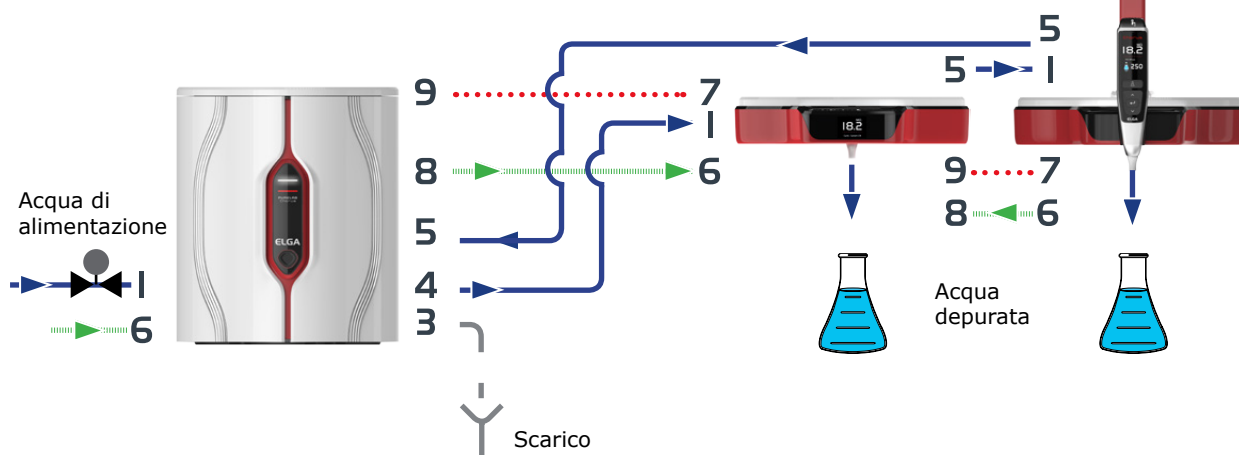
CONFIGURAZIONE DI SISTEMA

Life Science / Analytical Research / General Science

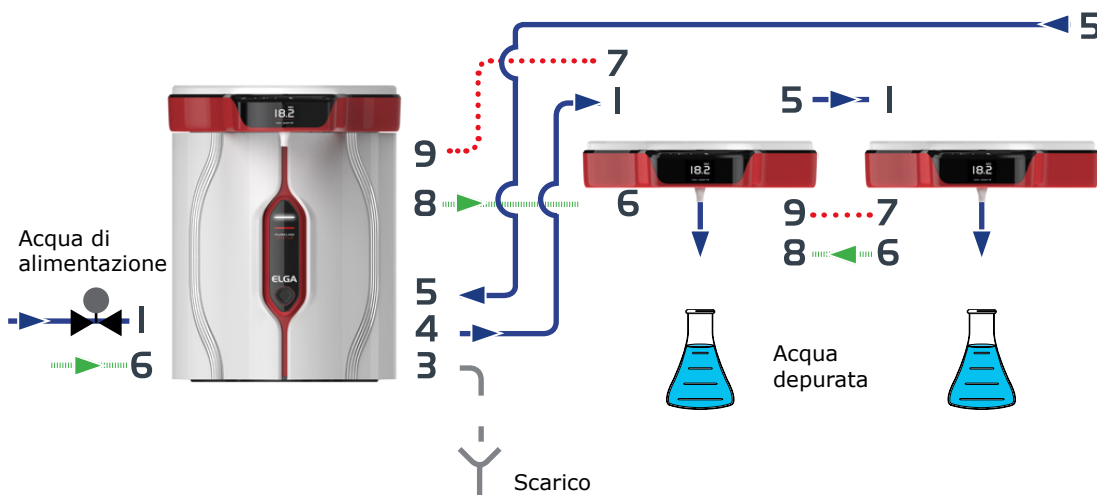
Esempio uno: 1 x PURELAB® Chorus 3 + Serbatoio + Chorus 1 + 1 X Distributore.



Esempio due: 1 x PURELAB® Chorus 1 + 2 X Distributore.



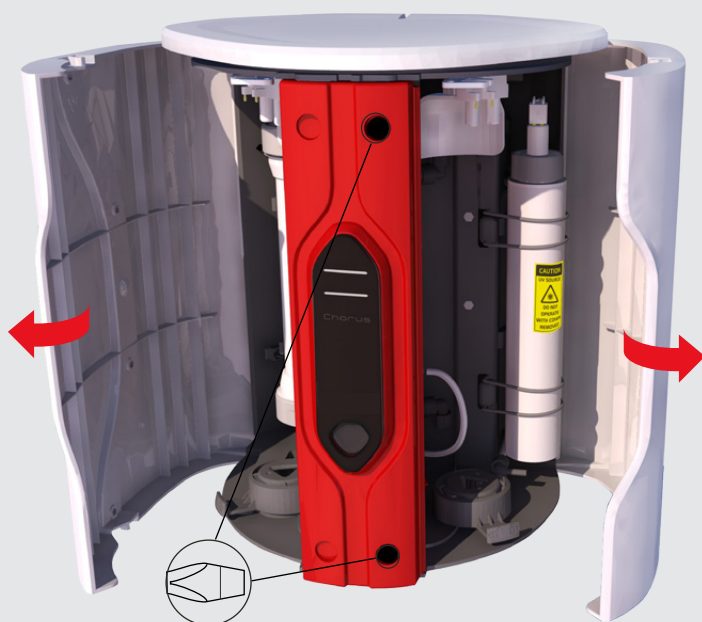
Esempio tre: 1 x PURELAB® Chorus 1 + 3 X Distributore.



Per ulteriori configurazioni, contattare i gruppi di assistenza locali

Ia **IMPILAMENTO MODULARE SU BANCO SERBATOIO IN CIMA**

PC1LSCXM2 / PC1ANRXM2 / PC1GSCM2



a. Aprire gli sportelli ed eseguire un quarto di giro delle viti.



Rimuovere con attenzione

b. Rimuovere il pannello anteriore e allentare la vite del coperchio con una chiave Allen. (6mm AF X FXBOYR301716)



c. Rimuovere la vite con testa Allen e sollevare il coperchio.

d. Posizionare il serbatoio in alto, facendolo allineare con i tre punti. Avvitare la vite a testa allen prima di rimettere a posto il pannello anteriore.

NB. Fare riferimento al Manuale in forma ridotta del distributore per aggiungere un distributore.

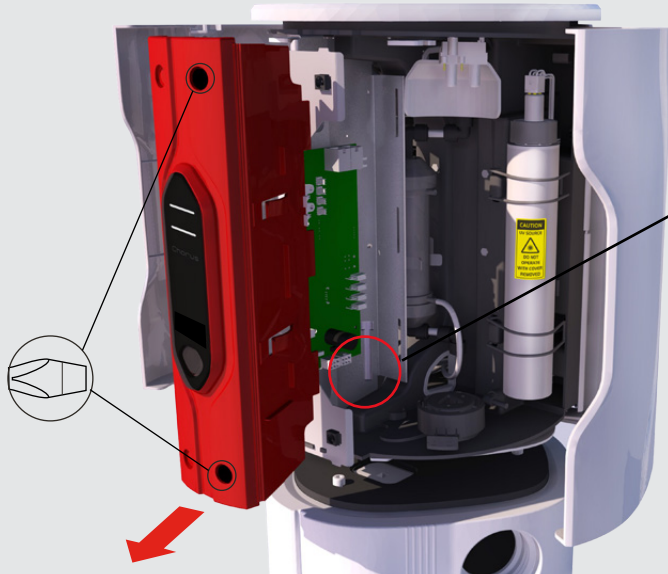
**AVVERTENZA!**

POSIZIONARE SOLAMENTE UN SISTEMA CHORUS SOPRA IL SERBATOIO.

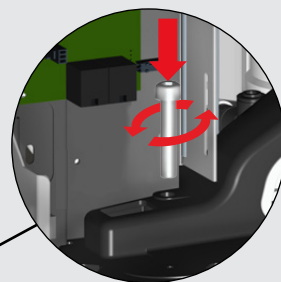
1b IMPILAGGIO MODULARE SERBATOIO SOTTO



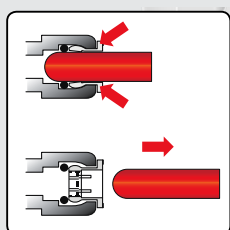
a. Avvitare sotto la piastra del serbatoio.



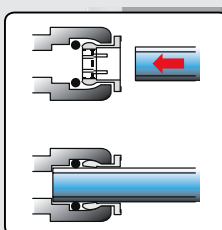
b. Posizionare sopra al serbatoio, allineare con la testa delle viti. Avvitare la vite di congiunzione.



2 COLLEGARE L'ACQUA (PORTA N.1)



a. Rimuovere i tappi di transitto dal collegamento dell'ingresso dell'acqua.



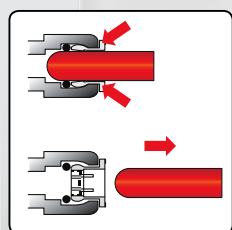
b. Usare il tubo fornito, spingere con fermezza l'estremità nel connettore dell'acqua in modo che risulti saldamente inserito.

3 COLLEGARE LO SCARICO (PORTA N.3)

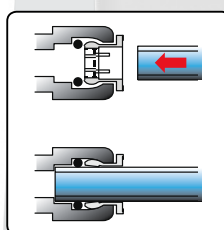


ATTENZIONE!

Assicurarsi che il tubo di scarico non si trovi nell'acqua di scarico.



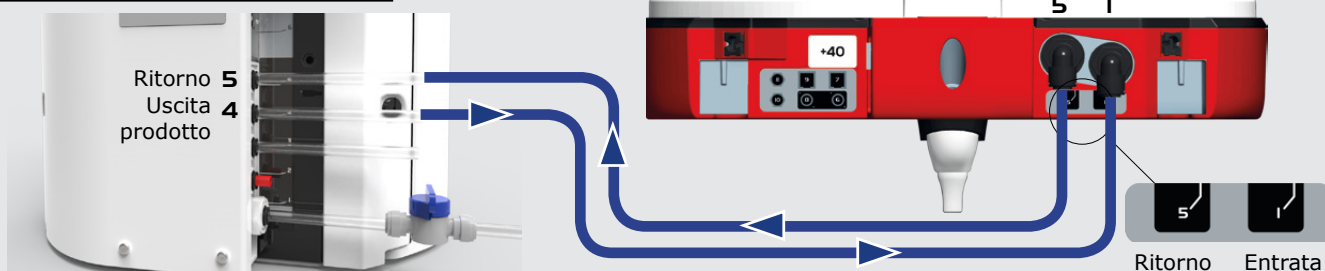
a. Rimuovere i tappi di transitto dal collegamento di uscita dell'acqua.



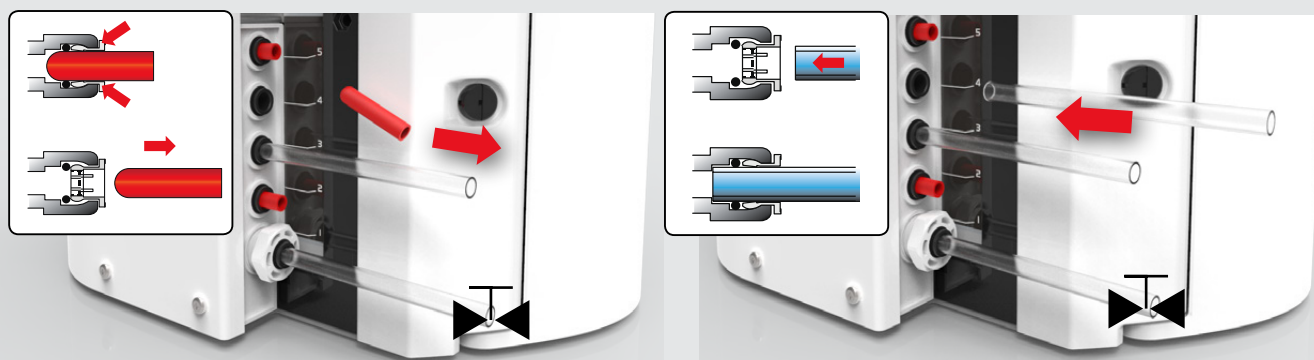
b. Usare il tubo fornito, spingere con fermezza l'estremità nel connettore dell'acqua in modo che risulti saldamente inserito.

4 DISTRIBUTORE DI RITORNO

NB: Per maggiori informazioni, fare riferimento al manuale del distributore.



5 COLLEGARE L'USCITA DELL'ACQUA DEPURATA (PORTA N.4)



a. Rimuovere i tappi di transito dal collegamento di uscita dell'acqua.

b. Usare il tubo fornito, spingere con fermezza l'estremità nel connettore dell'acqua in modo che risulti saldamente inserito.

6 COLLEGAMENTI DEGLI STRUMENTI DI COMUNICAZIONE



Avvertenza

USARE ESCLUSIVAMENTE IL CAVO PER GLI STRUMENTI DI COMUNICAZIONE FORNITO DA ELGA.



Reservoir J2 or J1

Vedere Guida all'installazione del serbatoio.

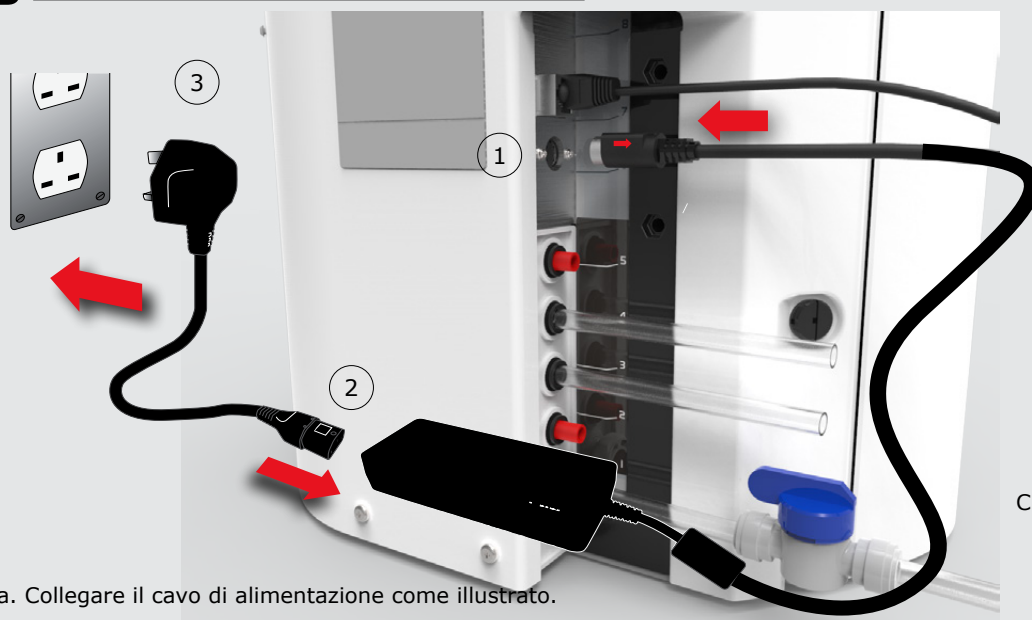
NB. Fare riferimento al Manuale in forma ridotta del distributore per aggiungere un distributore.

7 SEGUIRE LE ISTRUZIONI



a. Aprire lo sportello a destra. b. Inserire la cartuccia di depurazione e girare la maniglia. c. Assicurarsi che sia inserita saldamente.

8 FORNIRE ELETTRICITÀ (PORTA N.6)



a. Collegare il cavo di alimentazione come illustrato.

b. Usare esclusivamente l'alimentatore di corrente fornito con il Chorus. L'alimentatore di corrente deve essere messo a terra.

c. **PREMERE UNA VOLTA** per iniziare la modalità di messa in funzione. La spia rossa in basso lampeggerà fino a quando il ciclo non è terminato.

Circa 80 minuti

AVVERTENZA!



USARE ESCLUSIVAMENTE LO STRUMENTO DI COLLEGAMENTO DELL'APPARECCHIO (CAVO DI RETE) E L'ALIMENTAZIONE DI CORRENTE A DISPOSIZIONE. L'UTILIZZO DELL'APPARECCHIO SECONDO UNA MODALITÀ NON SPECIFICATA DA ELGA POTRÀ COMPROMETTERE LA PROTEZIONE DA ESSO FORNITA. POSIZIONARE L'ALIMENTAZIONE DI CORRENTE IN MODO CHE NON POSSA VENIRE A CONTATTO CON ACQUA.

Gli specialisti del trattamento di laboratorio
dell'acqua

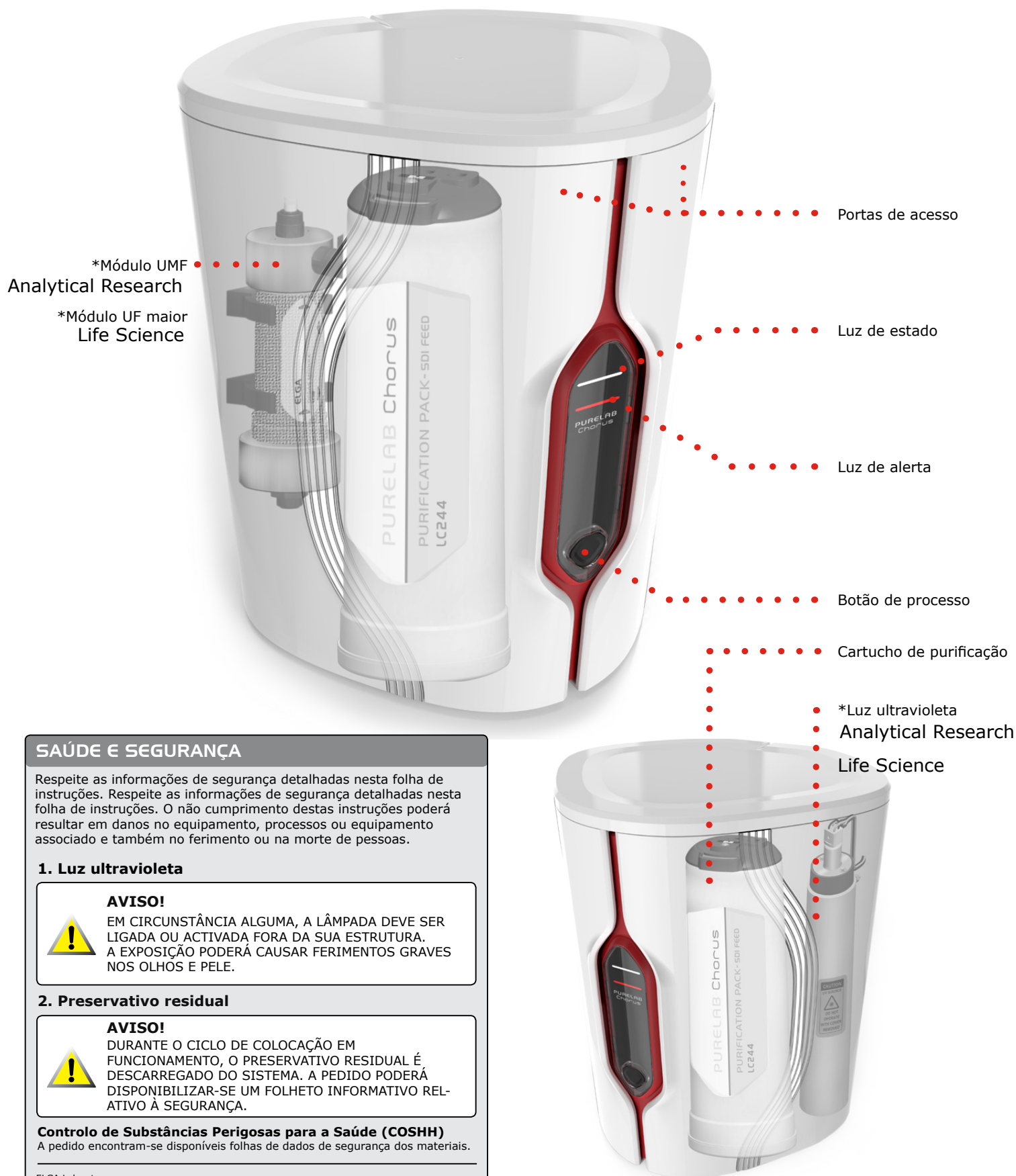


PURELAB®
Chorus



Bem-vindo

Obrigado por ter comprado o PURELAB® Chorus 1. Antes de continuar leia a seguinte nota de saúde e de segurança.



SAÚDE E SEGURANÇA

Respeite as informações de segurança detalhadas nesta folha de instruções. Respeite as informações de segurança detalhadas nesta folha de instruções. O não cumprimento destas instruções poderá resultar em danos no equipamento, processos ou equipamento associado e também no ferimento ou na morte de pessoas.

1. Luz ultravioleta

AVISO!



EM CIRCUNSTÂNCIA ALGUMA, A LÂMPADA DEVE SER LIGADA OU ACTIVADA FORA DA SUA ESTRUTURA. A EXPOSIÇÃO PODERÁ CAUSAR FERIMENTOS GRAVES NOS OLHOS E PELE.

2. Preservativo residual

AVISO!



DURANTE O CICLO DE COLOCAÇÃO EM FUNCIONAMENTO, O PRESERVATIVO RESIDUAL É DESCARREGADO DO SISTEMA. A PEDIDO PODERÁ DISPONIBILIZAR-SE UM FOLHETO INFORMATIVO RELATIVO À SEGURANÇA.

Controlo de Substâncias Perigosas para a Saúde (COSHH)

A pedido encontram-se disponíveis folhas de dados de segurança dos materiais.

ELGA Labwater
Tel: +44 (0) 203 567 7300
Email: info@elgalabwater.com

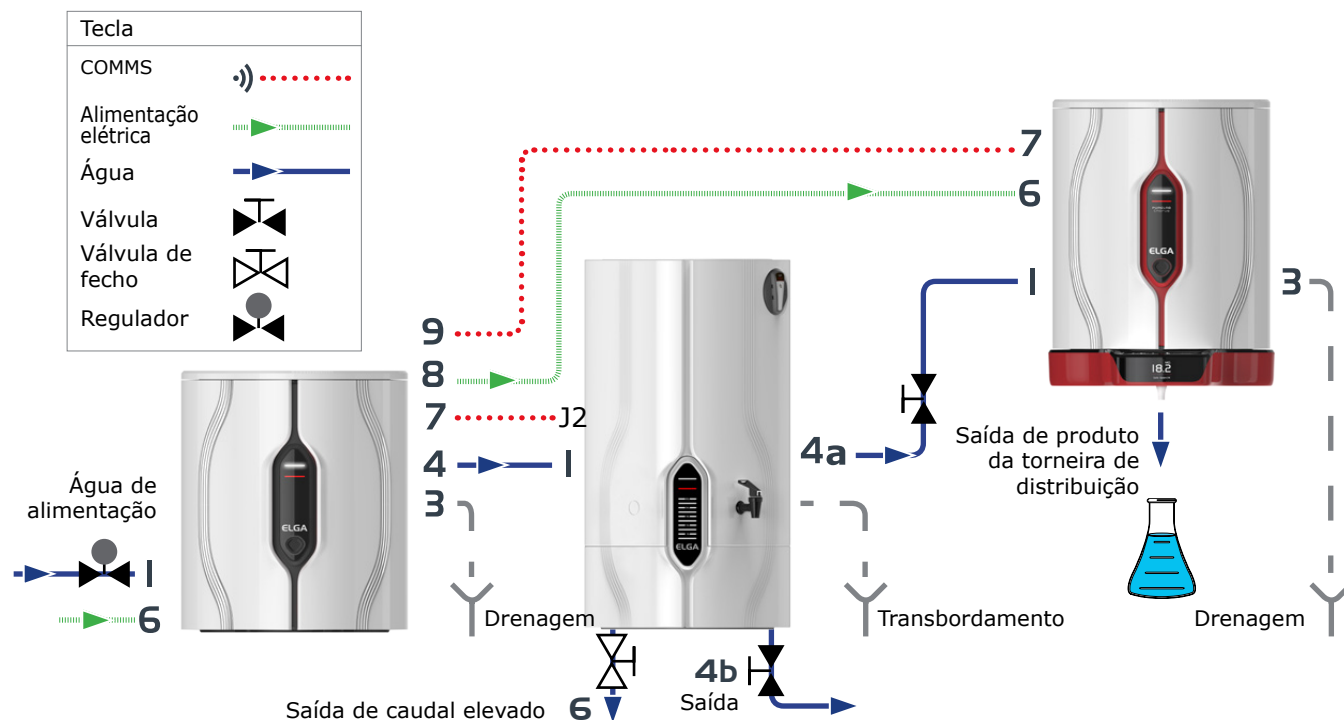
Fax: +44 (0) 203 567 7205
Website: www.elgalabwater.com

ELGA® é marca registada de águas de laboratório da Veolia Water
PURELAB® é marca registada e tecnologia pertencente à ELGA® Labwater.
Devido a uma política de melhoria contínua, reservamo-nos o direito de corrigir as especificações apresentadas neste guia.
© 2017 ELGA Labwater / VWS (UK) Ltd. Todos os direitos reservados.

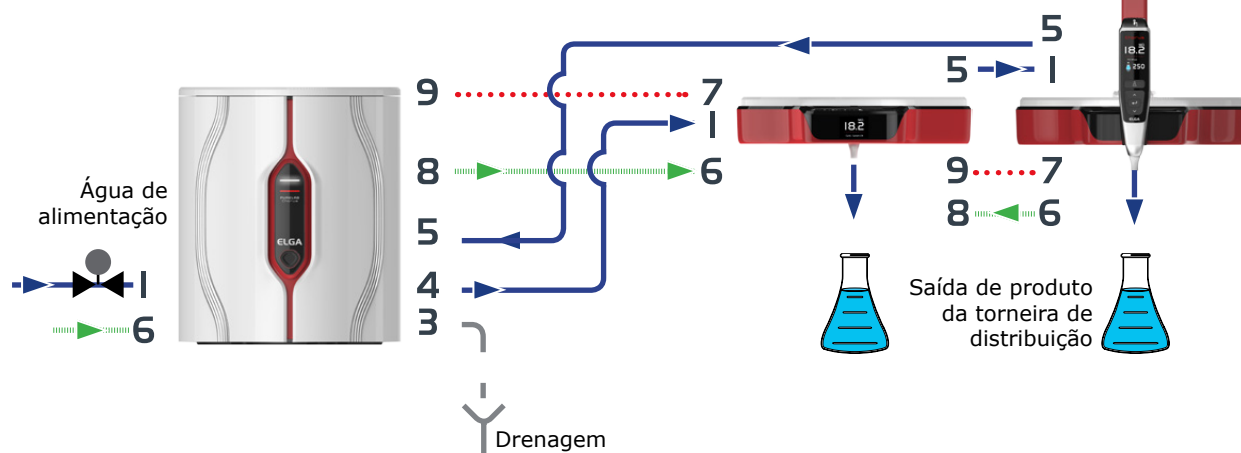
CONFIGURAÇÃO DO SISTEMA

Life Science / Analytical Research / General Science

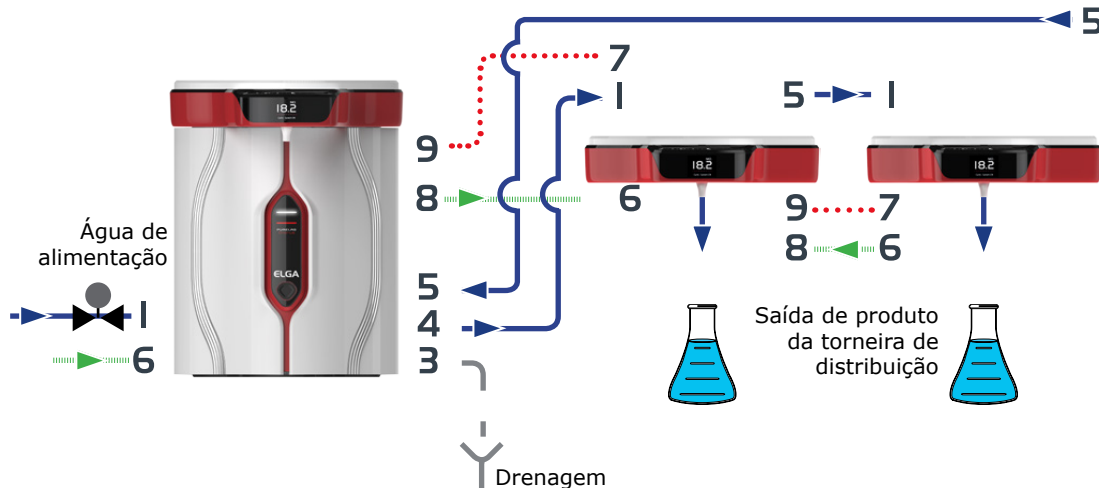
Exemplo um: 1 x PURELAB® Chorus 3 + Reservatório + Chorus 1 + 1 X Distribuidor.



Exemplo dois: 1 x PURELAB® Chorus 1 + 2 X Distribuidores.



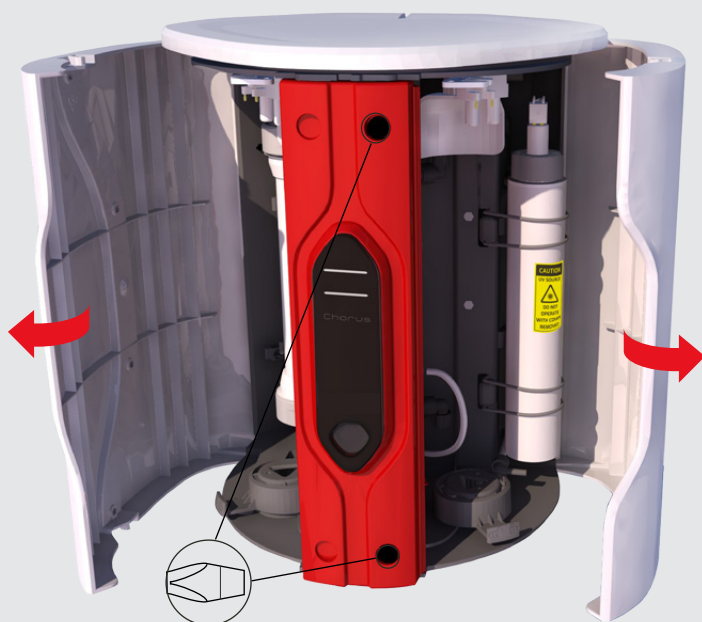
Exemplo Tres: 1 x PURELAB® Chorus 1 + 3 X Distribuidores.



Contacte as organizações de serviços locais para outras configurações

Ia EMPILHAMENTO MODULAR RESERVATÓRIO ONTOP

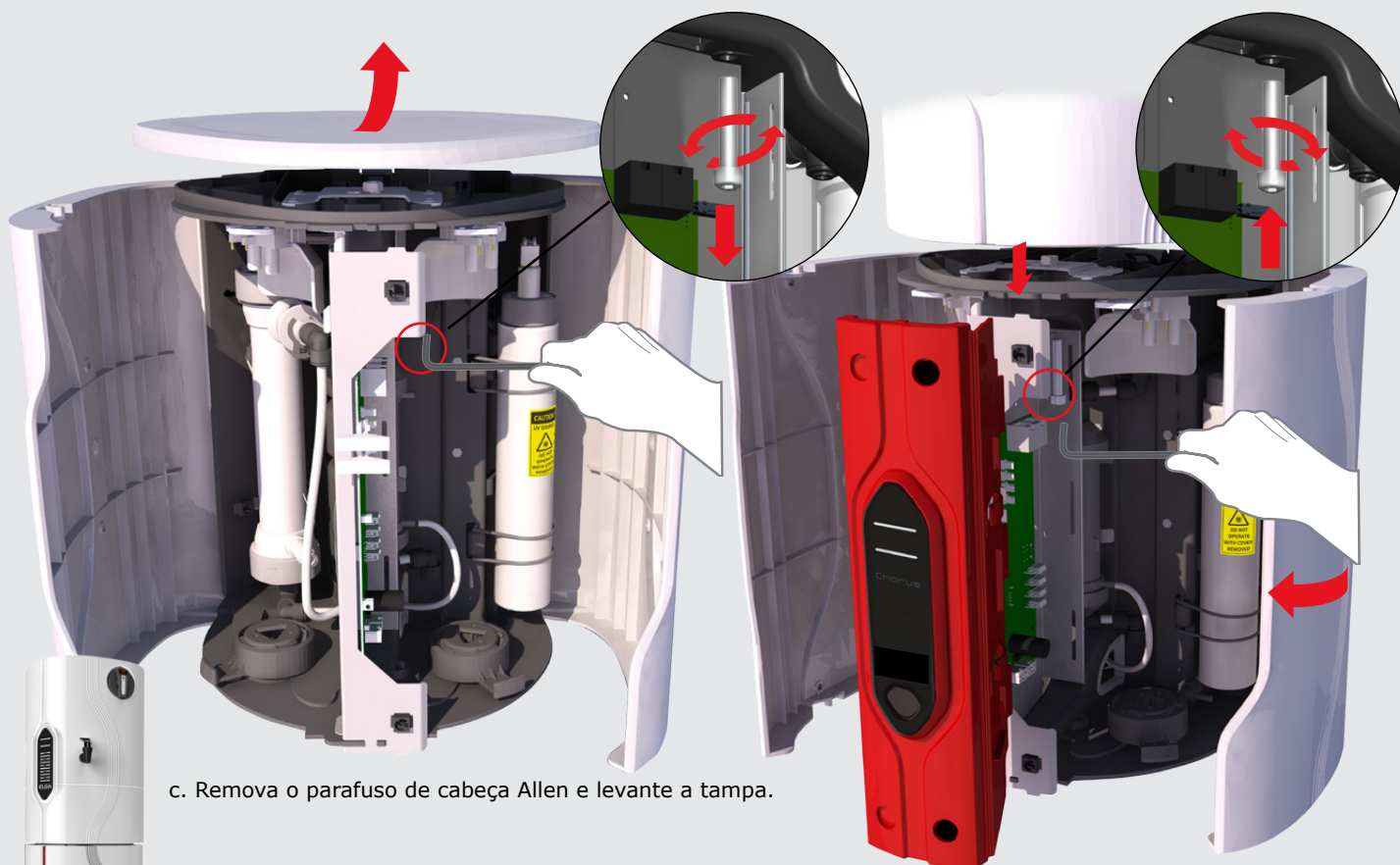
PC1LSCXM2 / PC1ANRXM2 / PC1GSCM2



a. Abra as portas e os fixadores de quarto de volta.

**Remova cuidadosamente**

b. Remova o painel frontal e desaperte o parafuso da tampa com uma chave Allen. (6mm AF X FXBOYR301716)



c. Remova o parafuso de cabeça Allen e levante a tampa.

d. Coloque o reservatório por cima, alinhando-o com os três pontos. Aperte o parafuso de cabeça Allen, antes de voltar a instalar o painel frontal.

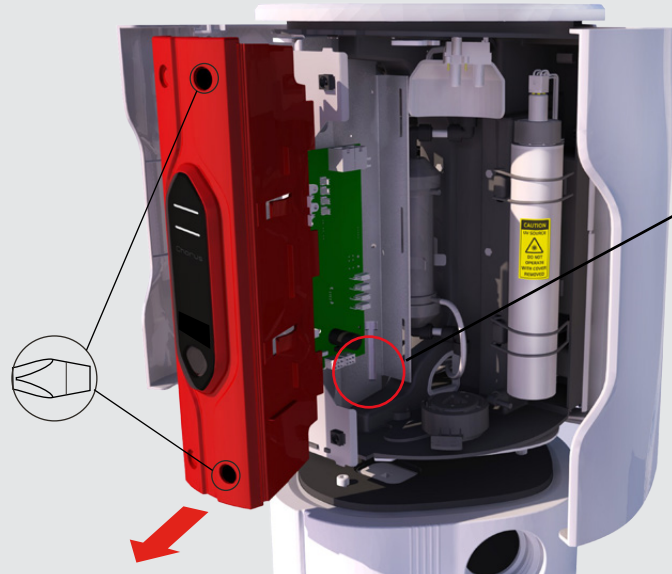
NB. Consulte o Guia de Iniciação Rápida do distribuidor para combinar um distribuidor.**AVISO!**

COLOQUE APENAS UM SISTEMA CHORUS POR CIMA DO RESERVATÓRIO.

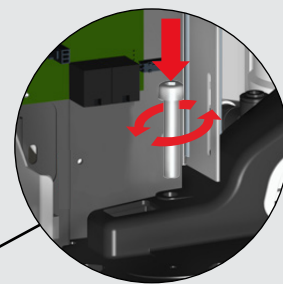
1b EMPILHAMENTO MODULAR RESERVATÓRIO ABAIXO



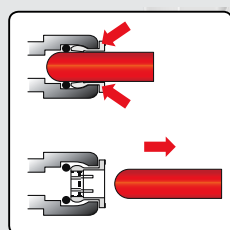
a. Aperte a placa do reservatório.



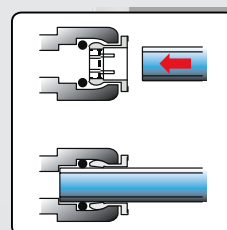
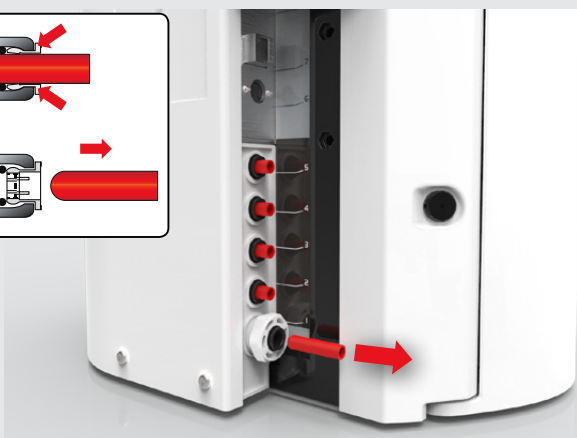
b. Coloque por cima do reservatório, alinhando-a com as cabeças dos parafusos. Aperte o parafuso de união.



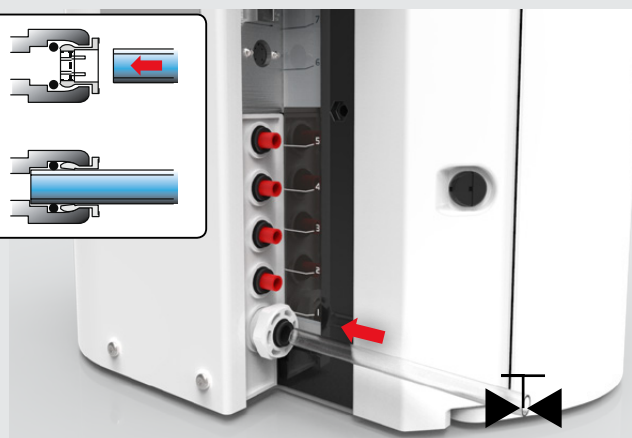
2 LIGUE A ÁGUA (PORTA Nº. 1)



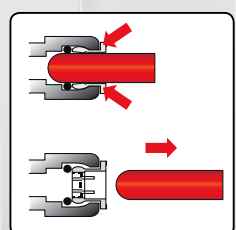
a. Remova os bujões de transporte da ligação de entrada da água.



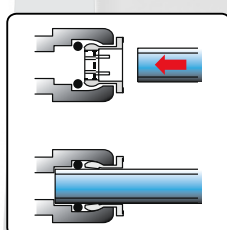
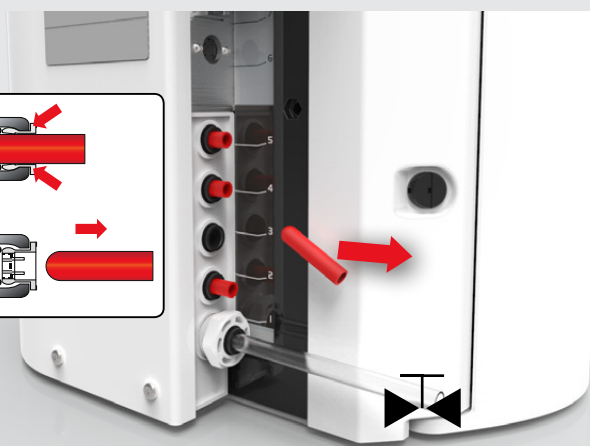
b. Usando o tubo fornecido, empurre firmemente uma das extremidades até ficar segura na ligação da água.



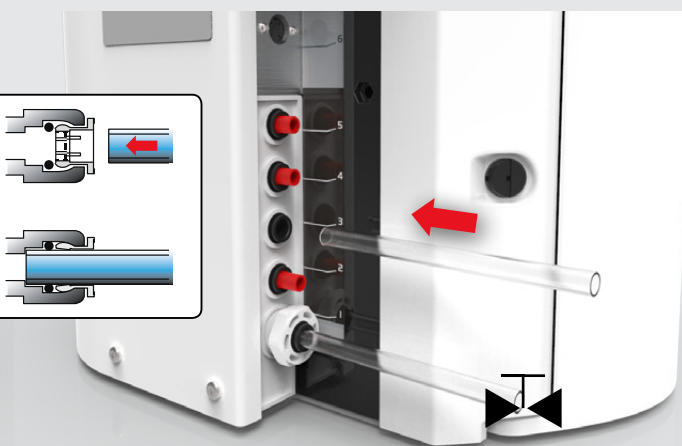
3 LIGUE A DRENAGEM (PORTA Nº. 3)



a. Remova os bujões de transporte da ligação de saída da água.



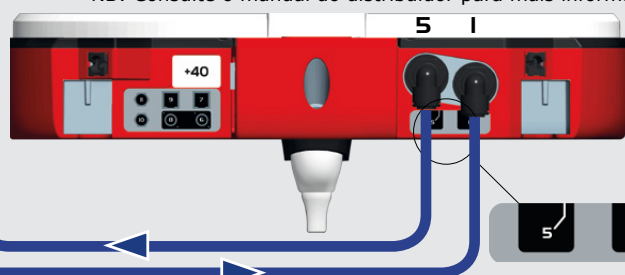
b. Usando o tubo fornecido, empurre firmemente uma das extremidades até ficar segura no conector da água.



4 DISTRIBUIDOR DE RETORNO

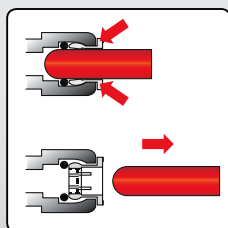


NB: Consulte o manual do distribuidor para mais informações.

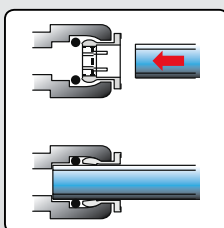


Retorno Entrada

5 LIGUE A SAÍDA DA ÁGUA PURIFICADA (PORTA Nº. 4)



a. Remova os bujões de transporte da ligação de saída da água.



b. Usando o tubo fornecido, empurre firmemente uma das extremidades até ficar segura no conector da água.

6 LIGAÇÕES DE COMMS (COMUNICAÇÕES)



Aviso

USE APENAS O CABO DE COMUNICAÇÕES FORNECIDO PELA ELGA.



Reservoir J2 or J1

Ver 'Reservatório Guia de instalação'.

NB. Consulte o Guia de Iniciação Rápida do distribuidor para combinar um distribuidor.

7 SIGA AS INSTRUÇÕES



a. Abra a porta direita.

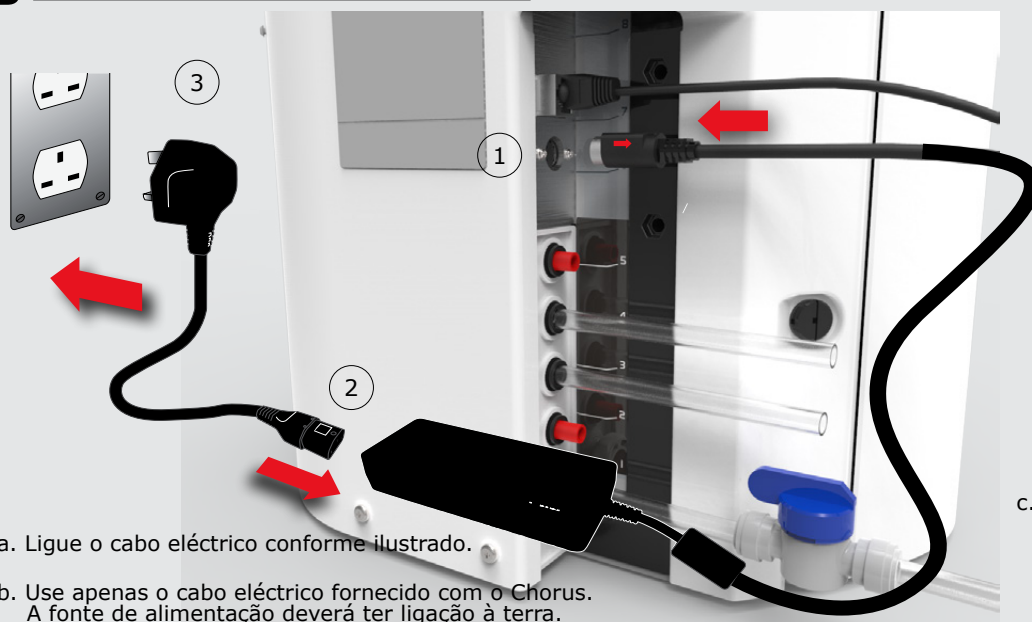


b. Insira o cartucho de purificação e rode o manípulo.



c. Confirme se está seguro.

8 LIGUE A ENERGIA (PORTA Nº. 6)



a. Ligue o cabo eléctrico conforme ilustrado.

b. Use apenas o cabo eléctrico fornecido com o Chorus.
A fonte de alimentação deverá ter ligação à terra.



4

c. **PRIMA UMA VEZ**
para iniciar o modo de
colocação em funcionamento.
A luz vermelha no fundo pisca
até o ciclo terminar.

Aprox. 80 minutos

AVISO!



USE APENAS O ACOPLADOR DO EQUIPAMENTO (CABO DE ALIMENTAÇÃO) E A FONTE DE ALIMENTAÇÃO FORNECIDOS. SE O EQUIPAMENTO FOR USADO DE MANEIRA NÃO ESPECIFICADA PELA ELGA, A PROTECÇÃO GARANTIDA PELO EQUIPADO PODERÁ FICAR COMPROMETIDA.
POSICIONE A FONTE DE ALIMENTAÇÃO DE FORMA A NÃO ENTRAR EM CONTACTO COM A ÁGUA.

Os especialistas de água de laboratório

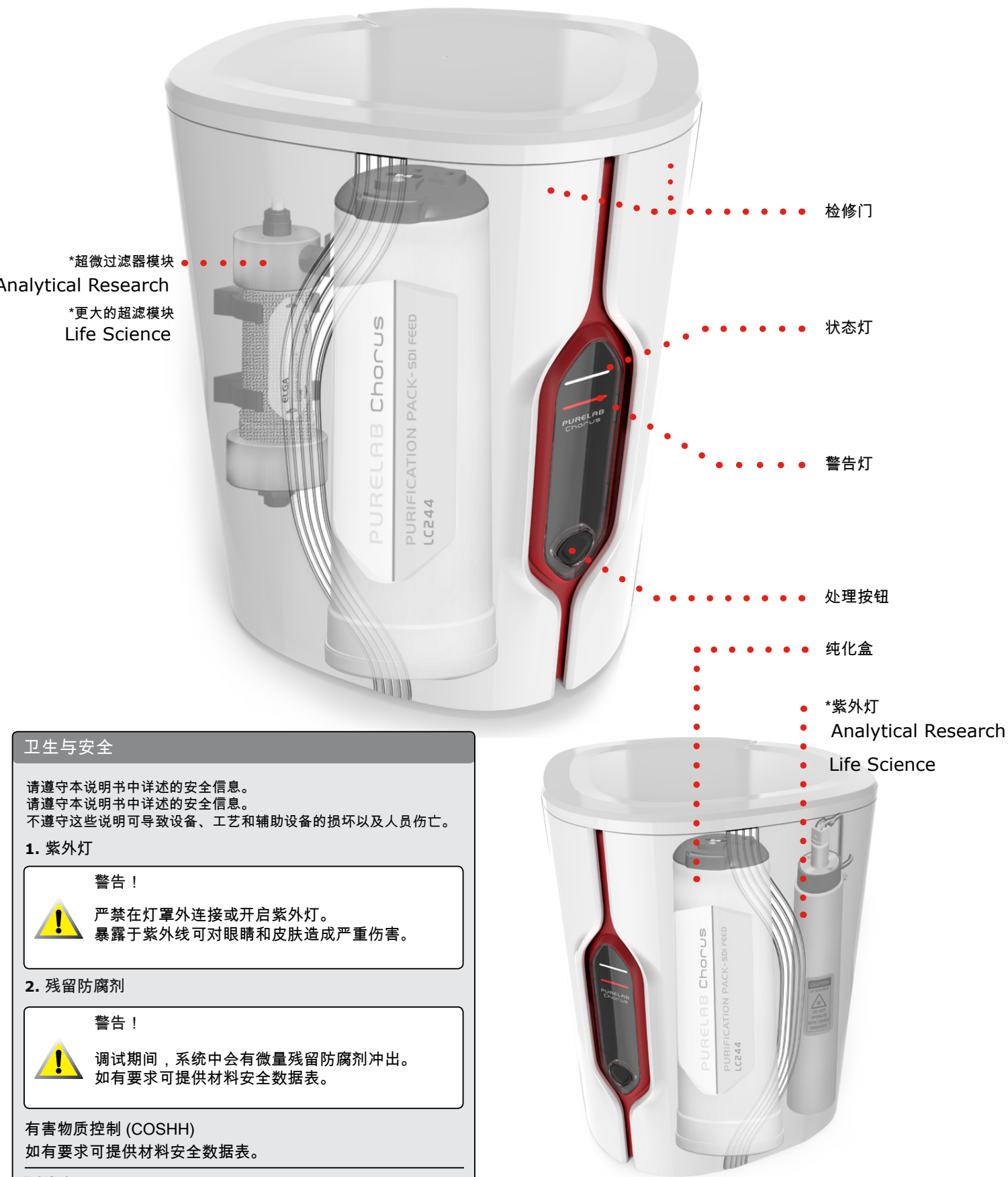


PURELAB®
Chorus



欢迎

感谢您购买 PURELAB® Chorus 1。使用前请先阅读下面的“卫生与安全”说明。



卫生与安全

请遵守本说明书中详述的安全信息。
请遵守本说明书中详述的安全信息。
不遵守这些说明可导致设备、工艺和辅助设备的损坏以及人员伤亡。

1. 紫外灯

警告！



严禁在灯罩外连接或开启紫外灯。
暴露于紫外线可对眼睛和皮肤造成严重伤害。

2. 残留防腐剂

警告！



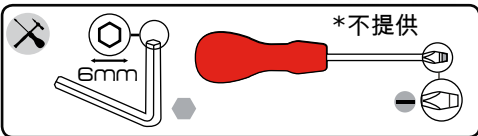
调试期间，系统中会有微量残留防腐剂冲出。
如有要求可提供材料安全数据表。

有害物质控制 (COSHH)

如有要求可提供材料安全数据表。

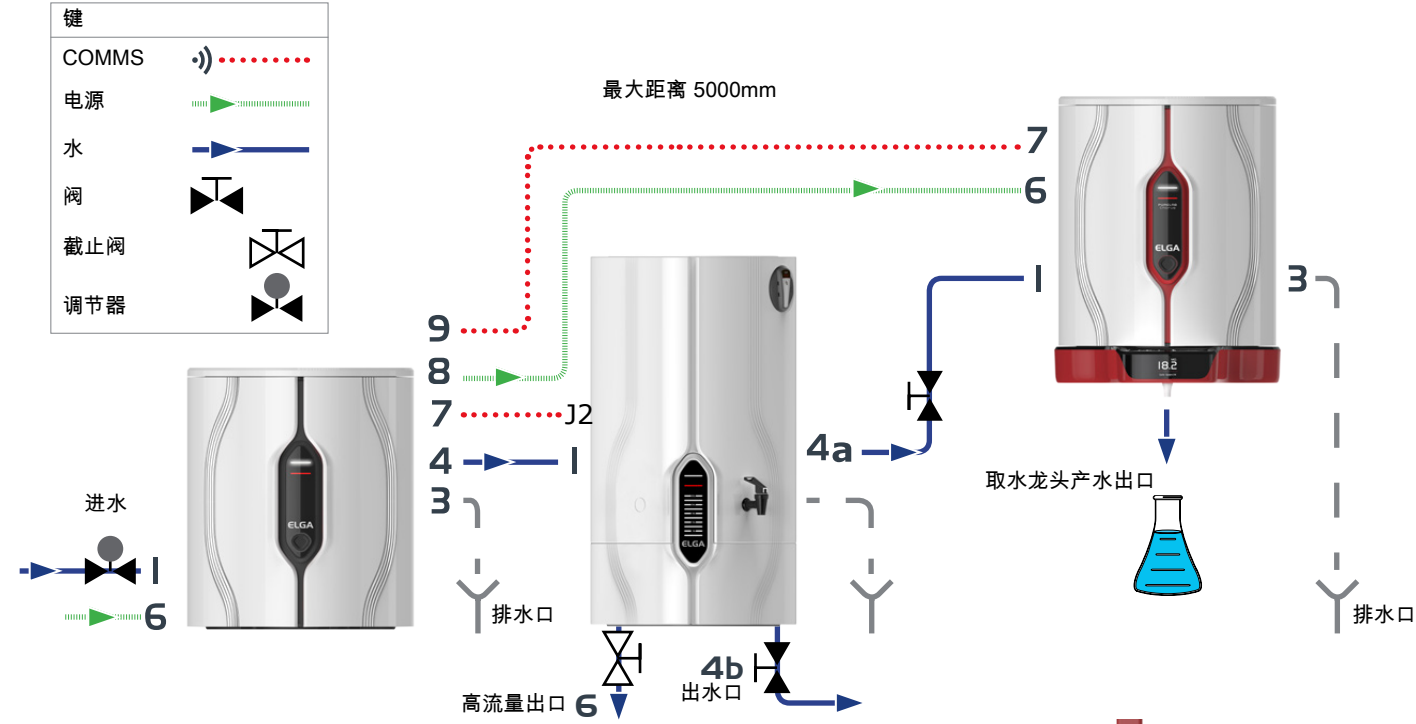
ELGA®Labwater
Tel: +44 (0) 203 567 7300 传真: +44 (0) 203 567 7205
电子邮件: info@elgalabwater.com 网址: www.elgalabwater.com

ELGA® 是威立雅水务技术的全球性实验室用水品牌。
PURELAB® 是 ELGA®Labwater 的商标和技术。为奉行持续改进的政策，
公司保留对本指南所列规格作出修改的权利。
© 2017 ELGA Labwater / VWS (英国) 有限公司。保留所有权利。

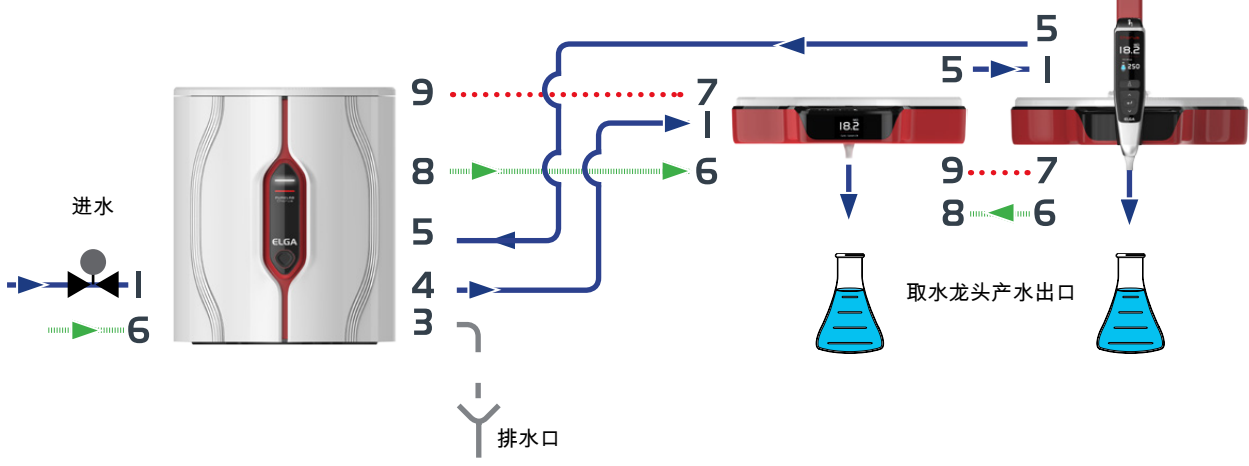


系统配置 Life Science / Analytical Research / General Science

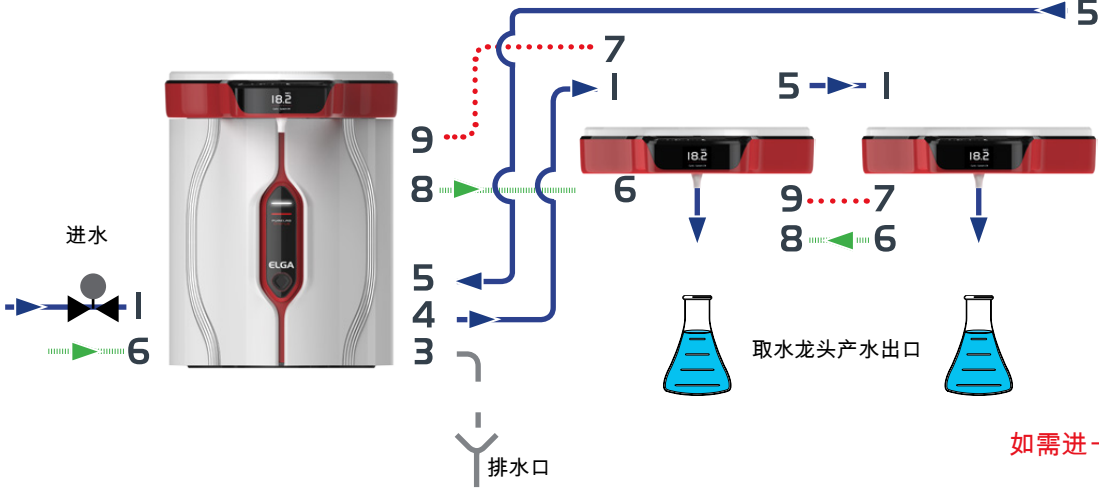
例 1：1 x PURELAB® Chorus 3 + 水箱 + Chorus 1 + 1 X 纯水机。



例 2：1 x PURELAB® Chorus 1 + 2 X 纯水机。



例 3：1 x PURELAB® Chorus 1 + 3 X 纯水机。



如需进一步配置请联系当地服务组织

Ia 模块化堆叠 对水库的顶端

PC1LSCXM2 / PC1ANRXM2 / PC1GSCM2



a. 打开门并拧松四分之一转紧固件。

b. 取下前面板并用内六角扳手拧松盖螺栓。(6mm AF X FXBOYR301716)

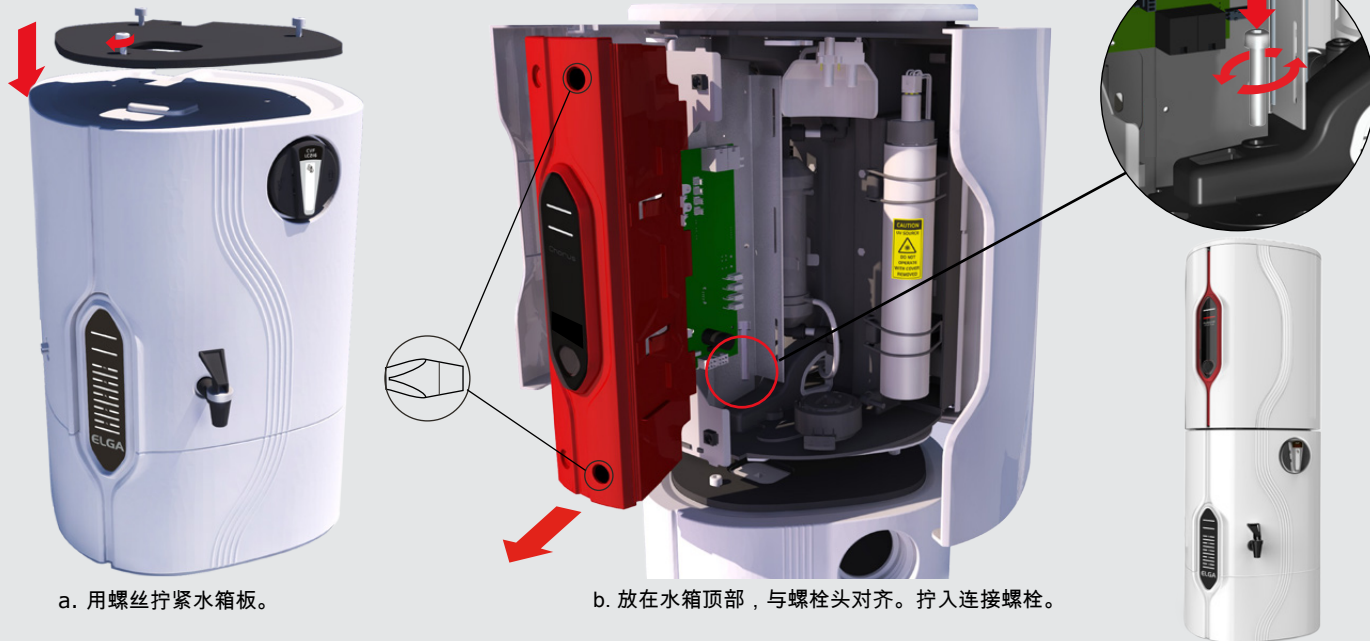


注意如需组合纯水机，请参照纯水机《快速使用指南》。

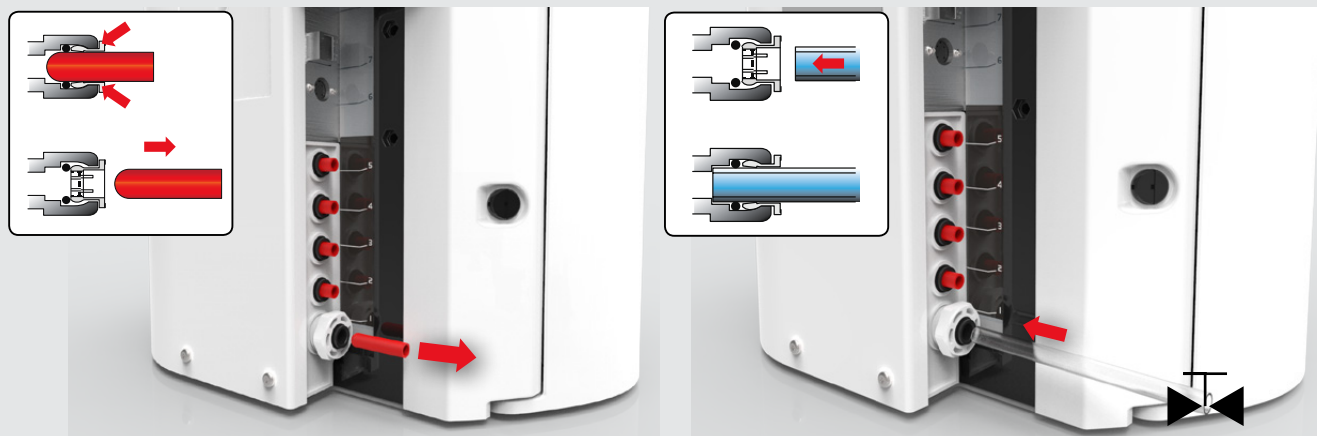


警告！
只能放一个 CHORUS 系统在水箱顶部。

1b 模块化堆叠 下方的储

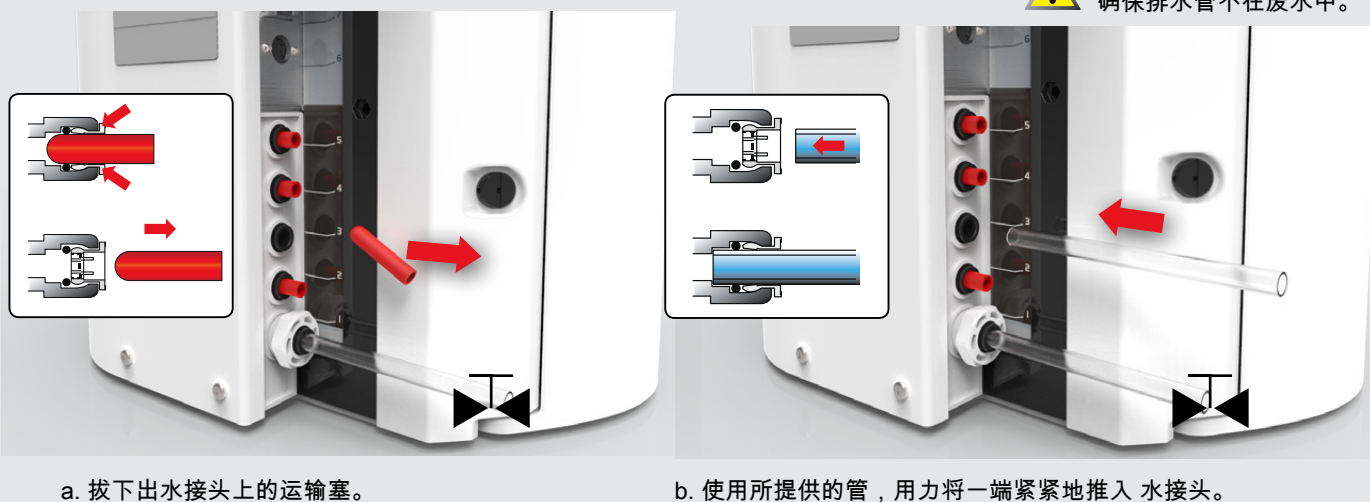


2 连接供水（端口 1）

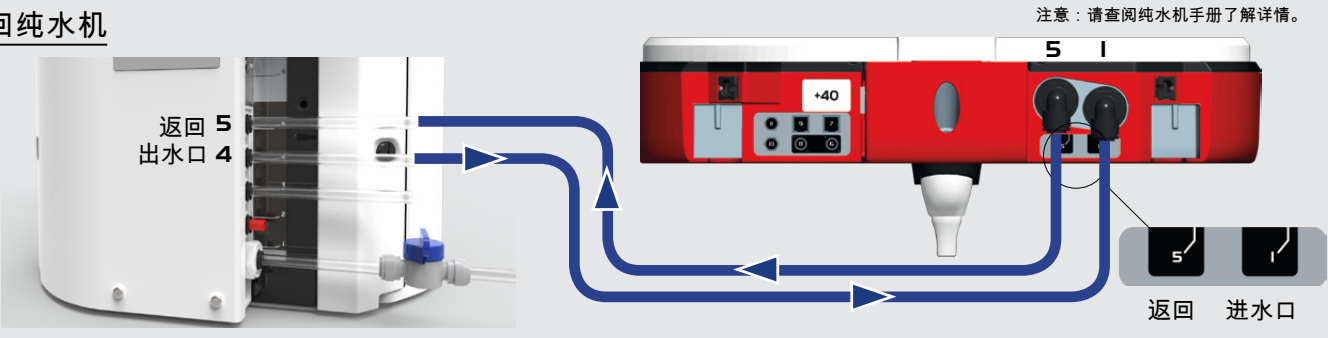


3 连接排水（端口 3）

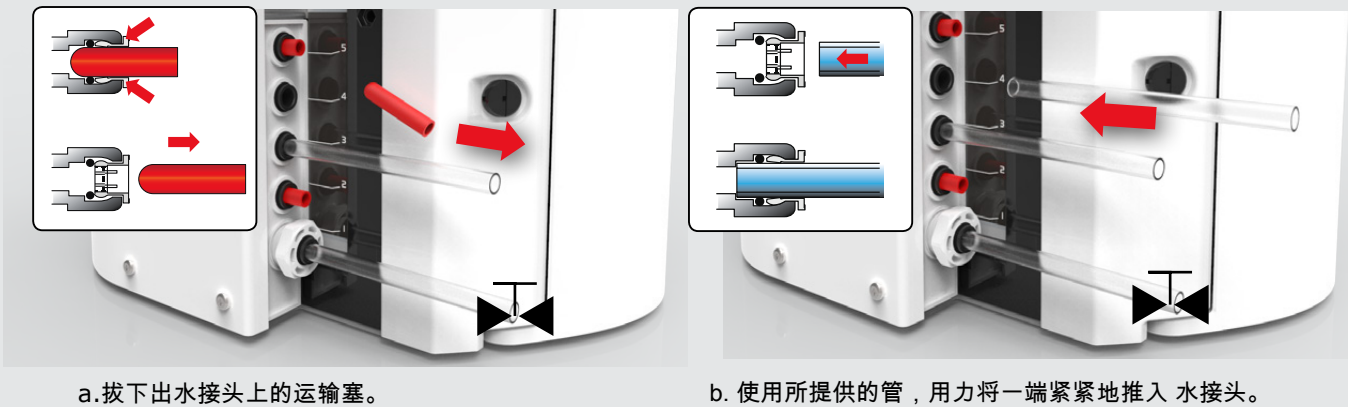
 小心！
确保排水管不在废水中。



4 返回纯水机



5 连接纯水出口（端口 4）



6 COMMS 连接



警告
只能使用 ELGA 提供的 COMMS 电缆。



注意如需组合纯水机，请参照纯水机《快速使用指南》。

7 按说明操作



a. 打开右侧门

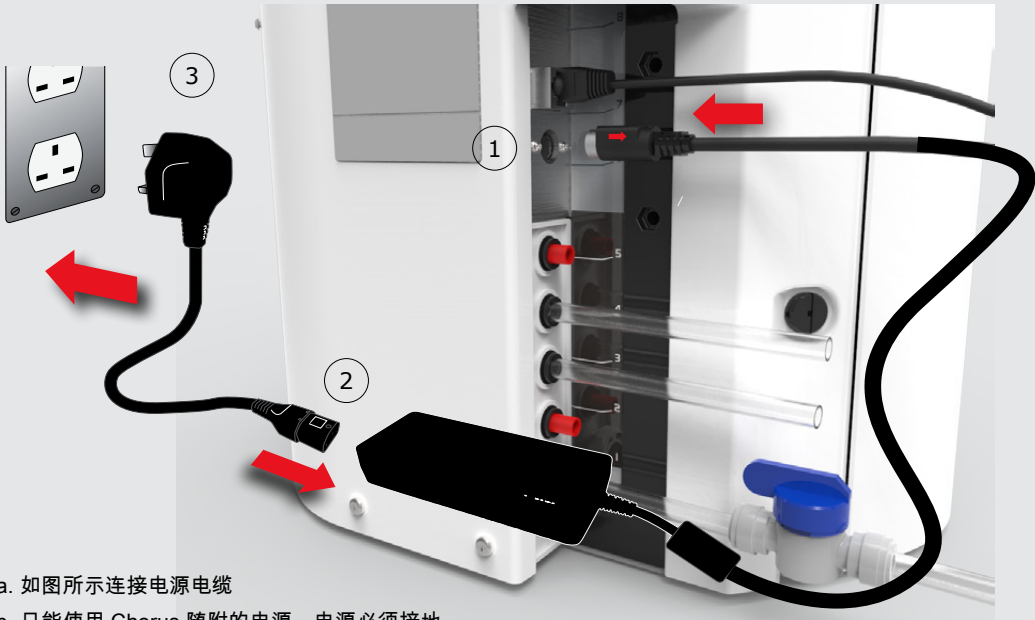


b. 插入纯化盒，转出手柄。



c. 确保它是稳固的。

8 连接电源（端口 6）



a. 如图所示连接电源电缆

b. 只能使用 Chorus 随附的电源。电源必须接地。



4

c. 按下一次启动调试模式。底部的红灯将持续闪烁直到循环结束。
大约 80 分钟

警告！



只能使用随设备提供的耦合器（电源线）和电源。如果不按照 ELGA 指定的方法使用设备，则设备提供的保护可能受到影响。电源应布置在接触不到水的地方。

实验室用水专家

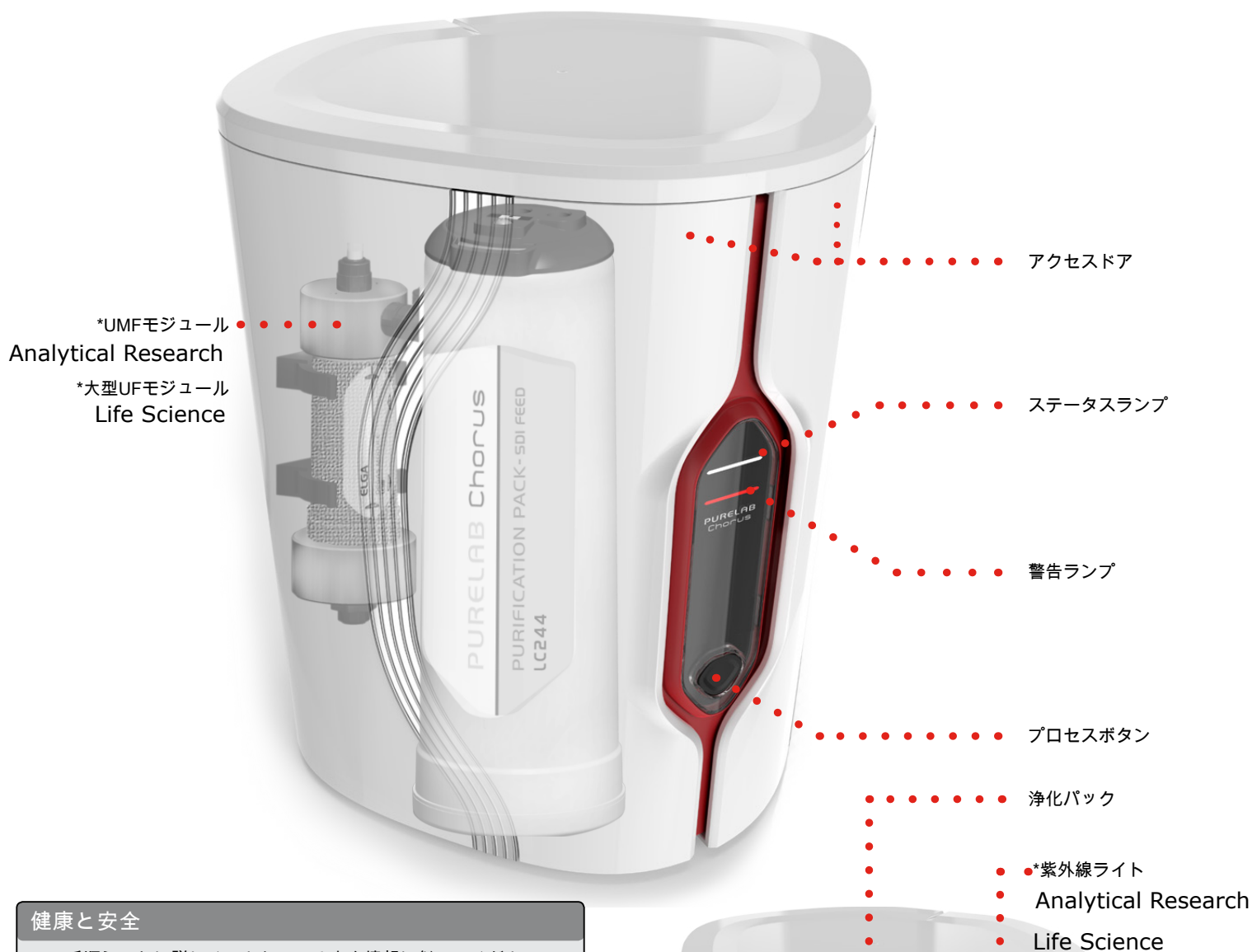


PURELAB®
Chorus



ようこそ

PURELAB® Chorus 1 をご購入いただきありがとうございます。ご使用前に、以下の健康と安全についての注意をお読みください。



健康と安全

この手順シートに詳しく示されている安全情報に従ってください。この手順シートに詳しく示されている安全情報に従ってください。これらの手順に従わないと、機器、プロセス、関連する機器を損傷させたり、ケガや死亡事故が発生することがあります。

1. 紫外線ライト



警告！
いかなる場合にも、ランプを筐体の外で接続または作動させてはなりません。ランプの光にさらされると、眼や皮膚に深刻な傷害を負うことがあります。

2. 残留防腐剤



警告！
試運転サイクル中に残留防腐剤がシステムから排出されます。ご要望により製品安全データシートを提供いたします。

健康有害物質管理規則 (COSHH)

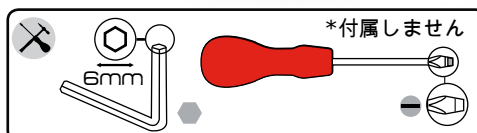
製品安全データシートはご要望に応じて提供いたします。

ELGA Labwater
Tel: +44 (0) 203 567 7300
電子メール: info@elgalabwater.com

ファックス: +44 (0) 203 567 7205
ウェブサイト: www.elgalabwater.com

ELGA®は、Veolia Waterの世界的なラボウォーターのブランド名です。PURELAB®は、ELGA®Labwaterの商標および技術です。当社は継続的に製品の改善に努めており、本書に記載されている仕様を変更する権利を有します。

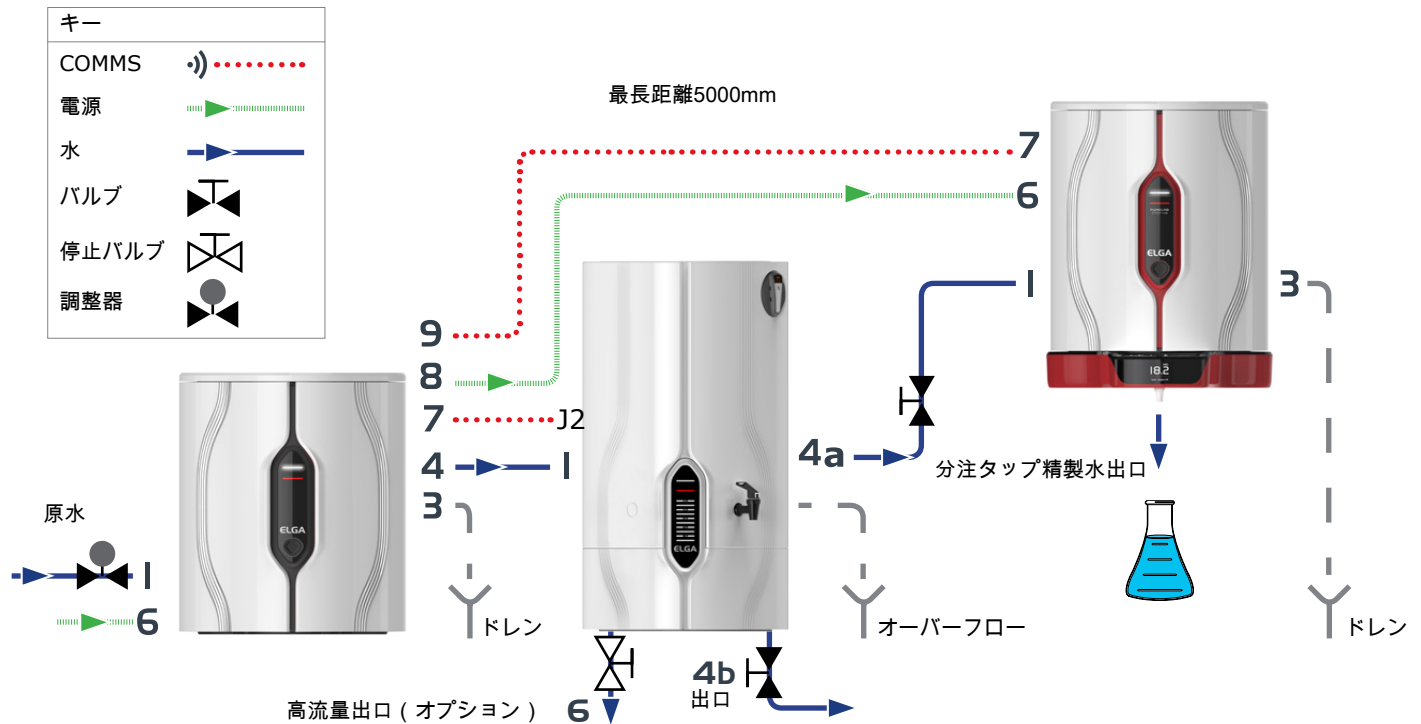
© 2017 ELGA Labwater / VWS (UK) Ltd. All rights reserved.



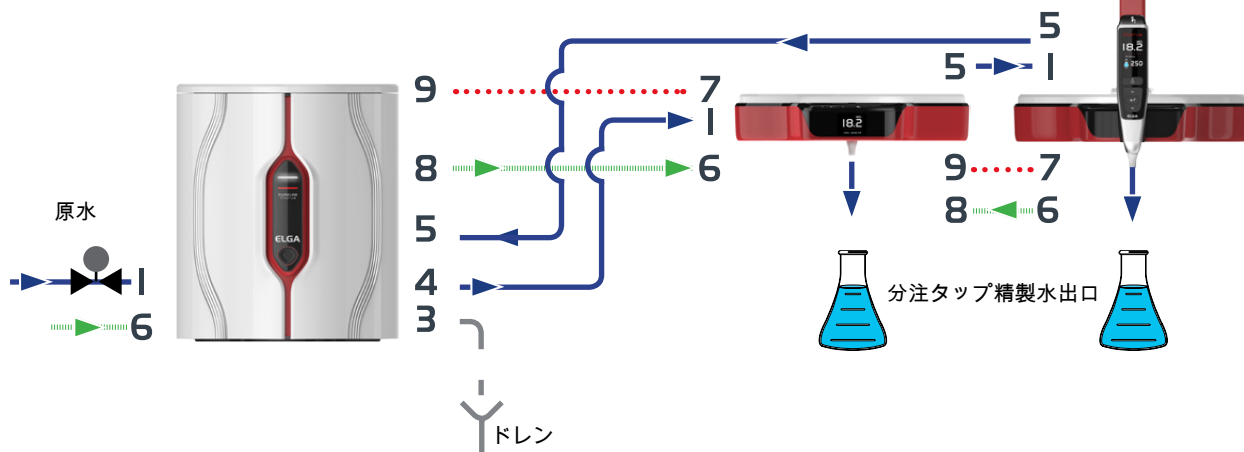
システム構成

Life Science / Analytical Research / General Science

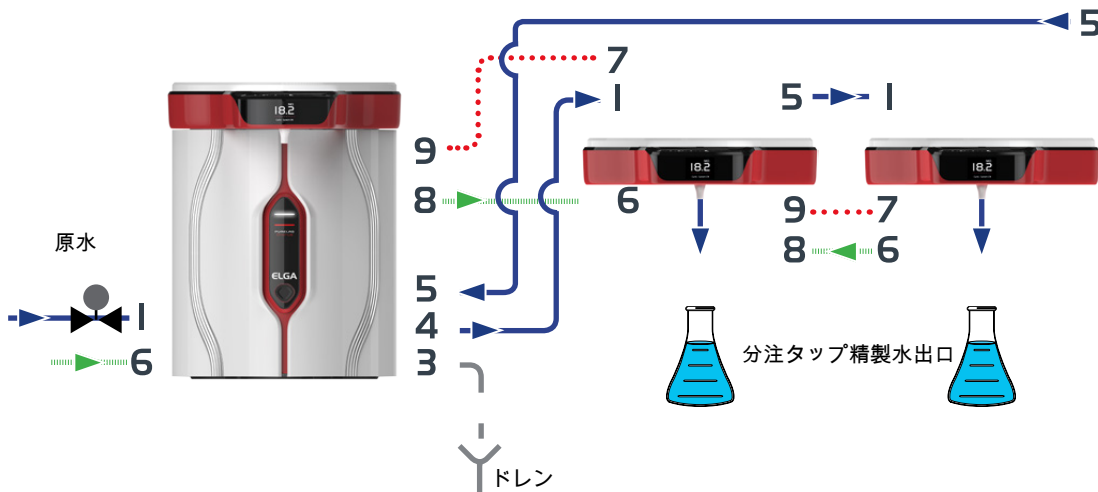
例1: PURELAB® Chorus 3 1台 + タンク + Chorus 1 + ディスペンサー1台



例2: PURELAB® Chorus 1 1台 + ディスペンサー2台



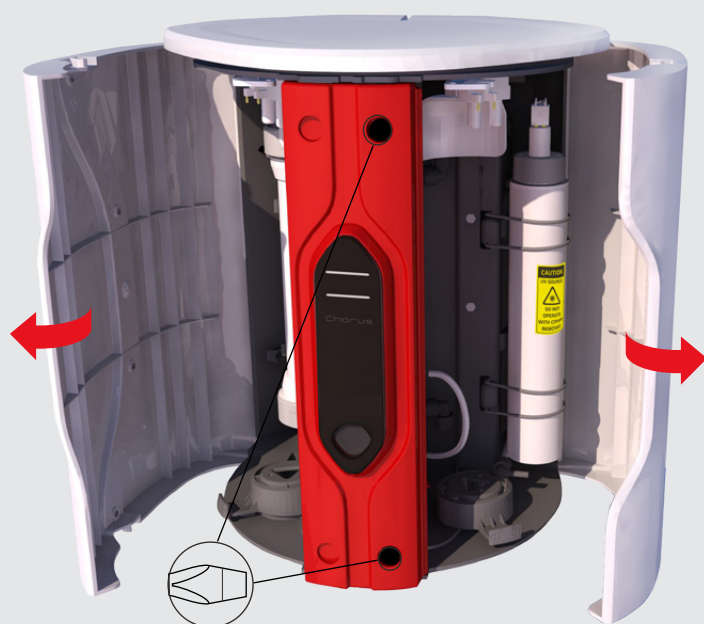
例3: PURELAB® Chorus 1 1台 + ディスペンサー3台



その他の構成については、お近くのサービス業者にお問い合わせください。

la モジュールの積み重ね 貯水池上記

PC1LSCXM2 / PC1ANRXM2 / PC1GSCM2

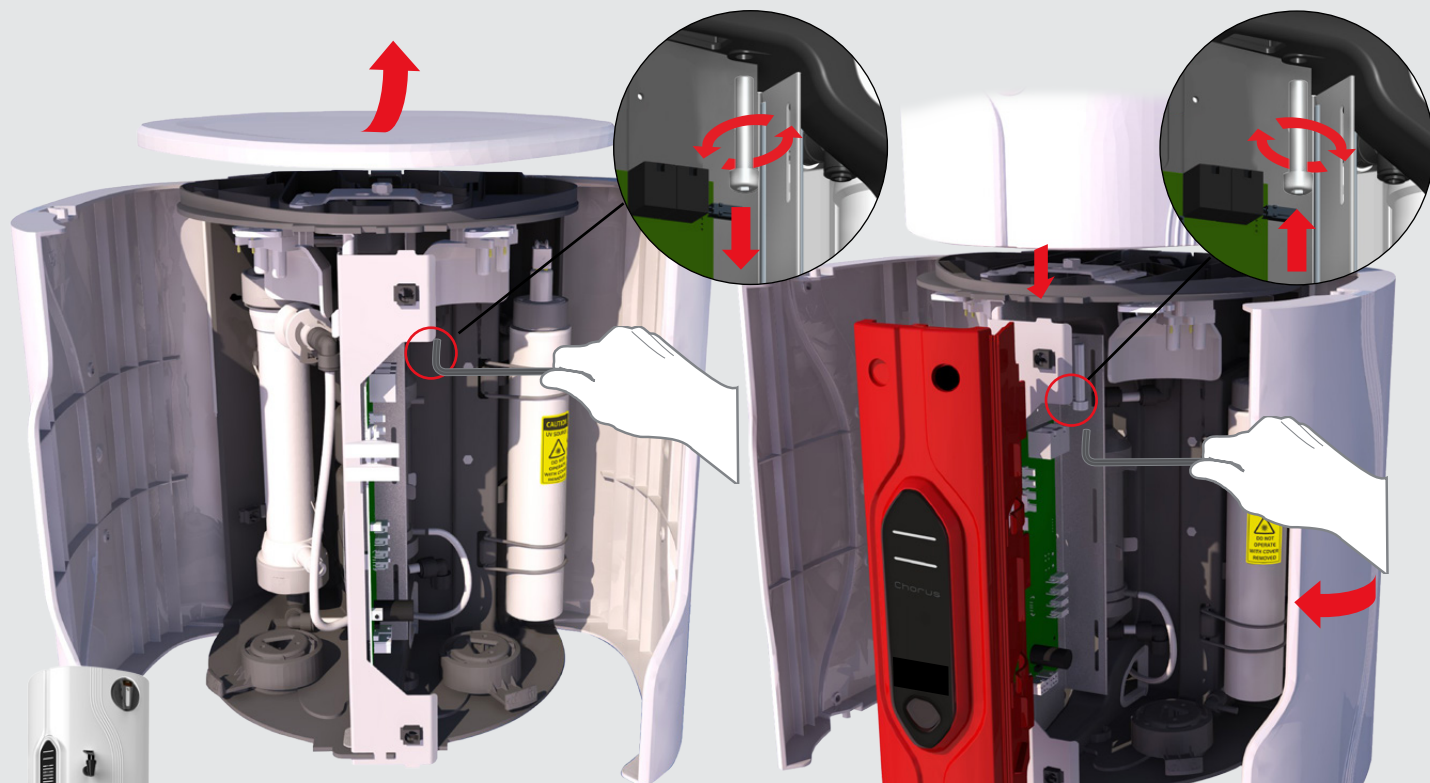


a. 扉を開いて、止め具を1/4回転 緩めます。



ゆっくり取り外します

b. 前面パネルを取り外し、蓋のボルトを六角レンチで緩めます。(6mm AF X FXBOYR301716)



c. 六角穴付きボルトを取り外し、蓋を持ち上げます。

d. タンクを上置き、3つの点を合わせます。六角穴付きボルトを締めてから、前面パネルを交換します。

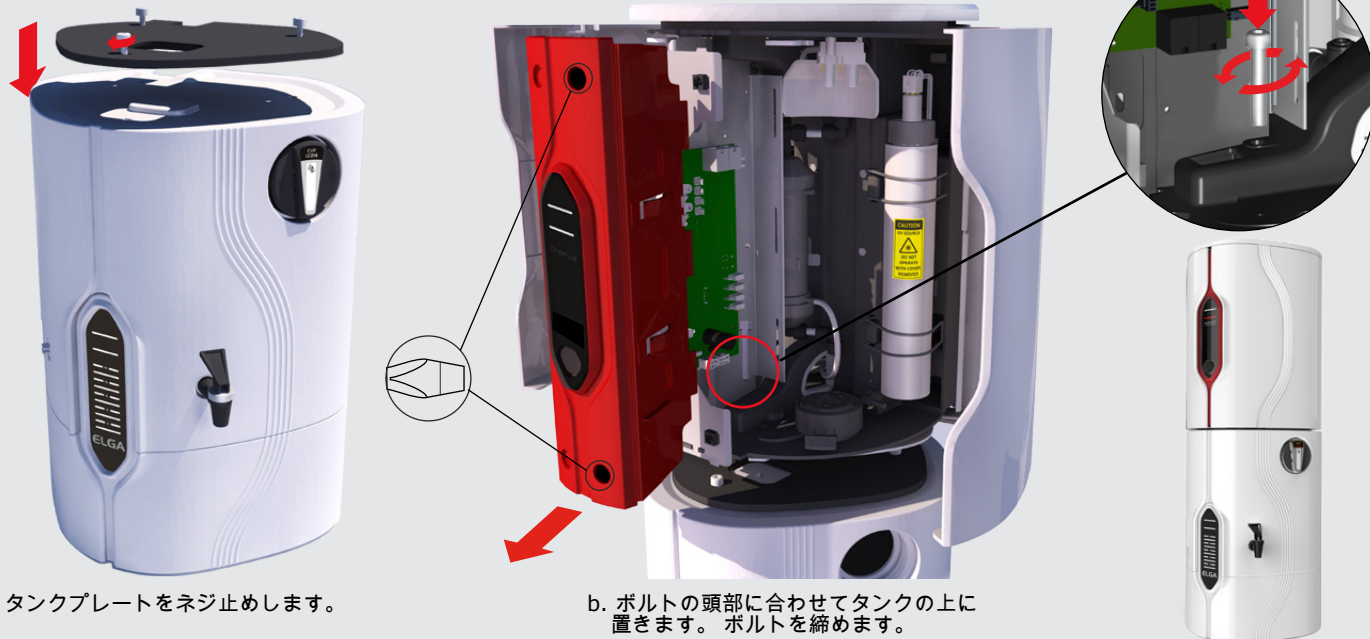
NB. ディスペンサーの組み立てについては、ディスペンサーのクイックスタートガイドを参照してください。



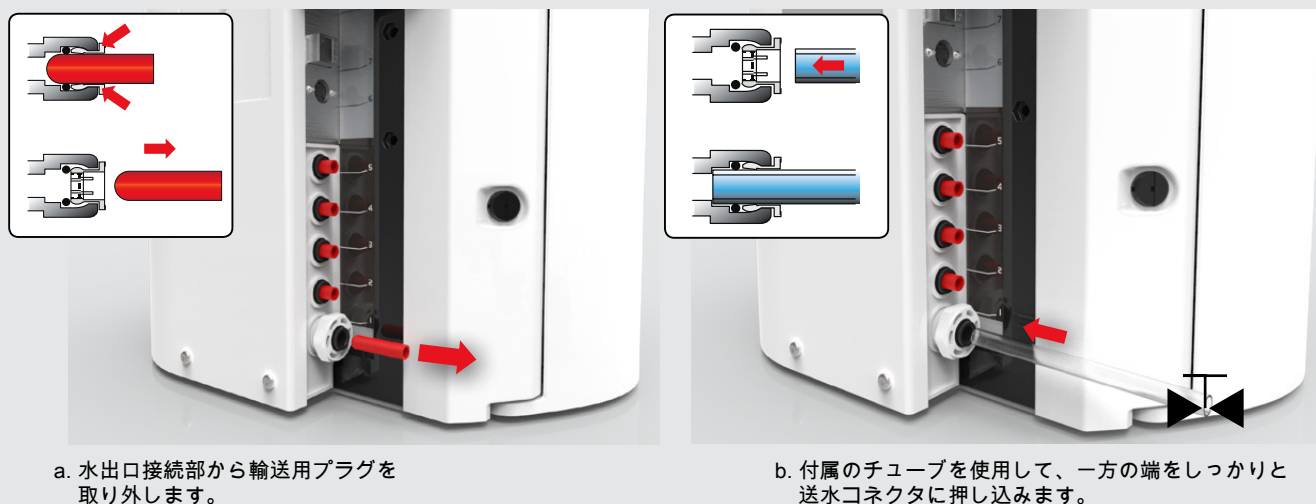
警告！

タンクの上に置くChorusシステムは1台のみとなります。

1b モジュールの積み重ね 貯水池以下

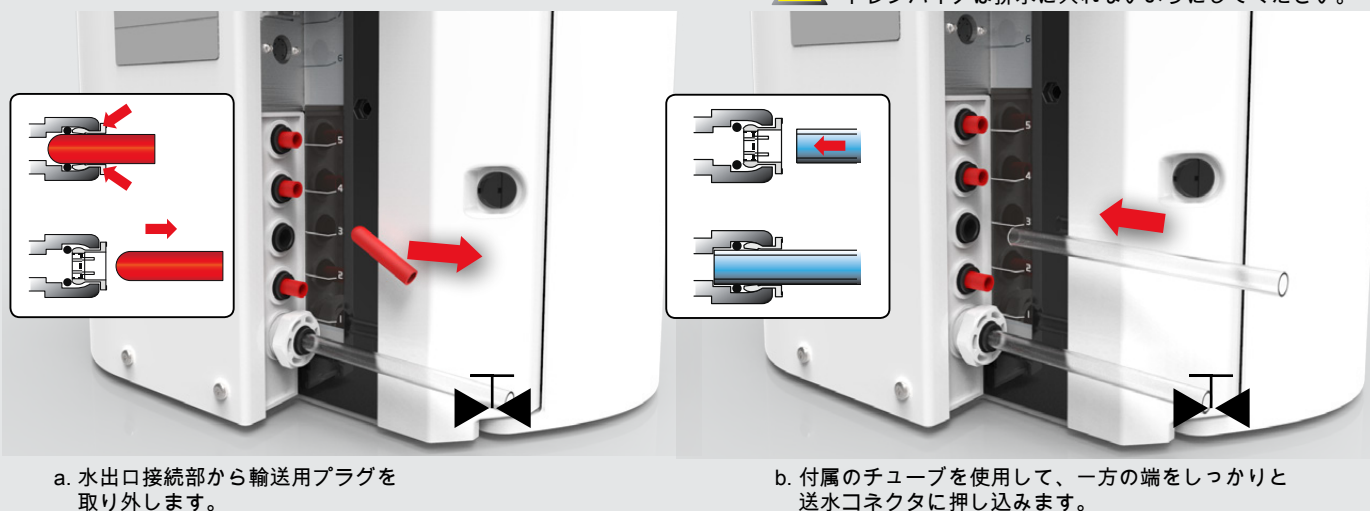


2 水道への接続 (ポートNo. 1)



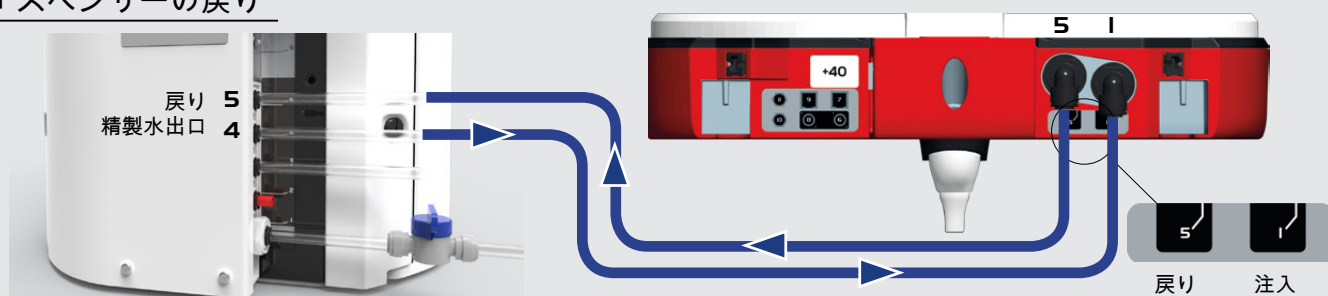
3 ドレンへの接続 (ポートNo.3)

 注意！
ドレンパイプは排水に入れないようにしてください。

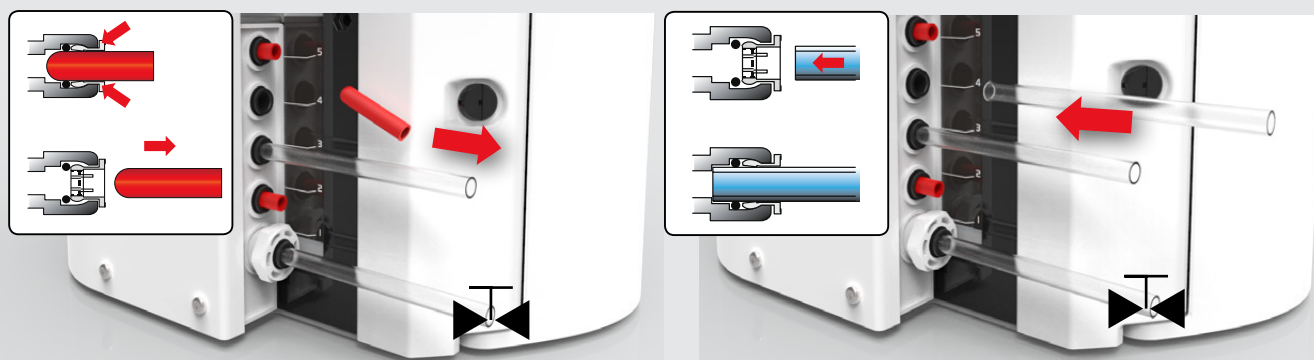


4 ディスペンサーの戻り

NB. ディスペンサーの組み立てについては、ディスペンサーのクイックスタートガイドを参照してください。



5 純水出口の接続 (ポートNO.4)



a. 水出口接続部から輸送用プラグを取り外します。

b. 付属のチューブを使用して、一方の端をしっかりと送水コネクタに押し込みます。

6 通信接続



警告!
必ずElgaが提供する通信ケーブルを使用してください。

ポート 7
又は
ポート 9

貯水池 J2 又は J1

「貯水池」を参照
インストールガイド」
を参照してください。



NB. ディスペンサーの組み立てについては、ディスペンサーのクイックスタートガイドを参照してください。

7 指示に従ってください



a. 右側の扉を開きます。

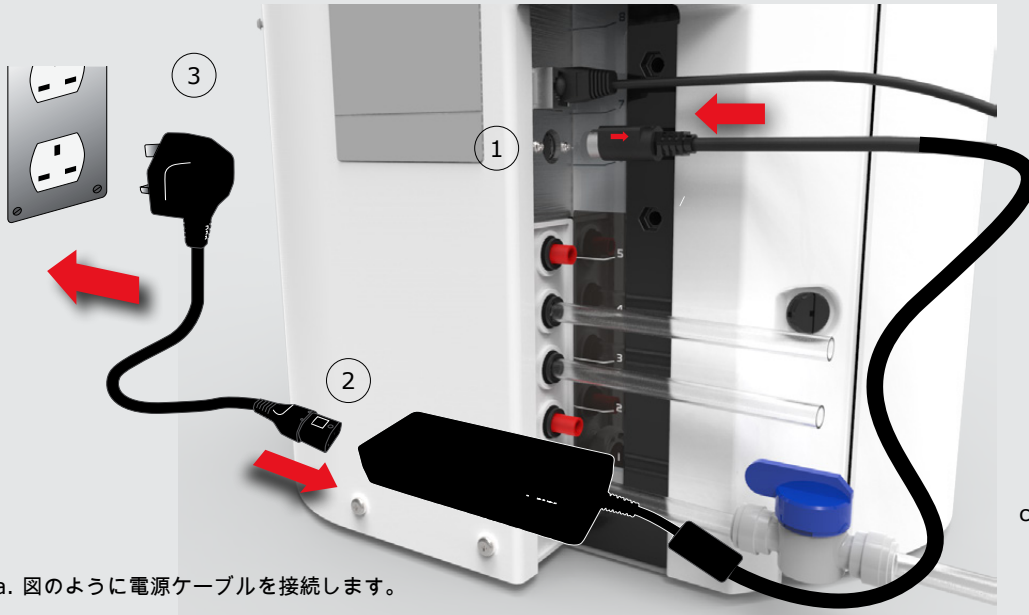


b. 浄化パックを挿入してハンドルを回します。



c. 固定されたことを確認します。

8 電源の接続 (NO.6ポート)



a. 図のように電源ケーブルを接続します。

b. Chorus付属の電源のみ使用してください。電源は接地する必要があります。

c. 1回押して
試運転モードを開始します。
サイクルが終了するまで、底部の
赤いランプが点滅します。

約80分



警告！

付属の電源接続器（電源ケーブル）と電源を使用してください。
ELGA が指定した以外の方法でこの装置を使用した場合には、この装置による保護機能を損なう可能性があります。
電源は、水に触れない位置に配置してください。

ラボの水技術者



PURELAB®
Chorus



Table of contents

1.	Introduction	Page 1
1.1	Health & Safety	Page 1
1.2	Product Range	Page 1
1.3	Use of this Manual	Page 1
1.4	Installation	Page 1
1.5	System Configuration	Page 1
1.6	Environment	Page 1
1.7	Commissioning	Page 1
1.8	Customer Support	Page 1
2.	Your Guide to Chorus	Page 2
2.1	PURELAB® Chorus Part No. PC1LSCXM2 - Life Science	Page 2
2.2	PURELAB® Chorus Part No. PC1ANRXM2 - Analytical Research	Page 3
2.3	PURELAB® Chorus Part No. PC1GSCXM2 - General Science	Page 4
3.	Maintenance	Page 5
3.1	Cleaning the inlet filter assembly	Page 5
3.2	Replacing the Purification pack	Page 6 - 7
3.3	Replacing the Ultraviolet lamp	Page 8 - 9
3.4	Replacing the Ultra filtration module	Page 10 - 11
3.5	Replacing the Ultra mirco filtration module	Page 12 - 13
3.6	Sanitisation Procedure	Page 14
4.	Self Help Guidelines	Page 14
5.	Health & Safety notes	Page 15
5.1	Environment	Page 15
5.2	Electricity	Page 15
5.3	Residual Biostat	Page 15
5.4	Ultraviolet lamp	Page 15
5.5	Control Of Substances Hazardous to Health (COSHH)	Page 15
6.	Technical Specifications	Page 16 - 17
7.	Customized Operation	Page 17
7.1	USB Logging	Page 17
8.	Warranty / Conditions	Page 18

Copyright Note

The information contained in this document is the property of VWS (UK) Ltd, trading as ELGA® LabWater, and is supplied without liability for errors or omissions.

No part of this document may be reproduced or used except as authorized by contract or other written permission from VWS (UK) Ltd. The copyright and all restrictions on reproducing and use apply to all media in which this information may be placed.

VWS (UK) Ltd. Pursue a policy of continual product improvement and reserve the right to alter without notice the specification, design, price or conditions of supply of any product or service.

© VWS (UK) Ltd. 2017 - All rights reserved.
ELGA® and PURELAB® Are registered trademarks of VWS (UK) Ltd.

Copyright Note

Effersan™ is a registered trademark of Activon Inc.

INTRODUCTION

1.1 Health & Safety

Please ensure you read the Health & Safety notes in Section 5.

1.2 Product Range

This Operator manual has been prepared for PURELAB® Chorus product models:

- PURELAB® Chorus Part No. PC1LSCXM2 - Life Science
- PURELAB® Chorus Part No. PC1ANRXM2 - Analytical Research
- PURELAB® Chorus Part No. PC1GSCXM2 - General Science

1.3 Use of this Manual

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

1.4 Installation

Chorus is supplied with a Quick Start Guide and Quick Reference Guide.

Quick Start Guide shows you how to install and commission the Chorus.
Quick Reference Guide shows you how perform day to day functions.

1.5 System Configuration

Maximum system size 1 X Chorus 1 + 4 X Chorus 2 or 3 + Reservoir + 4 X Dispenser.
See Quick Start Guide for typical configurations.

1.6 Environment

The Chorus unit should be installed on a flat, level surface, in a clean, dry environment.
The unit can also be wall mounted using the purpose designed wall mounting kit against a vertical wall capable of supporting the combined weight of the unit and mounting kit.



WARNING!

NOT TO BE USED IN FUME EXTRACTION ENCLOSURES.

1.7 Commissioning

Chorus is supplied in a preset commissioning mode which must be completed before purified water can be dispensed. Refer to Self Help Guidelines, section 4 Process Button.

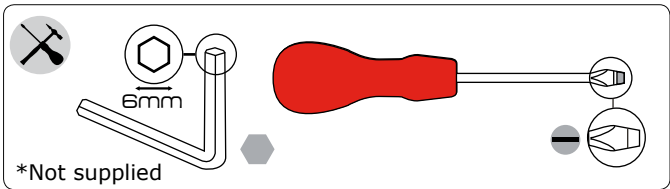
1.8 Customer Support

If you need help with your Chorus, please call your local ELGA representative. For the address of the nearest ELGA LabWater Sales and Service office visit the country list on our website.
www.elgalabwater.com or contact ELGA Lab-Water at: Email: techsupport@elgalabwater.com

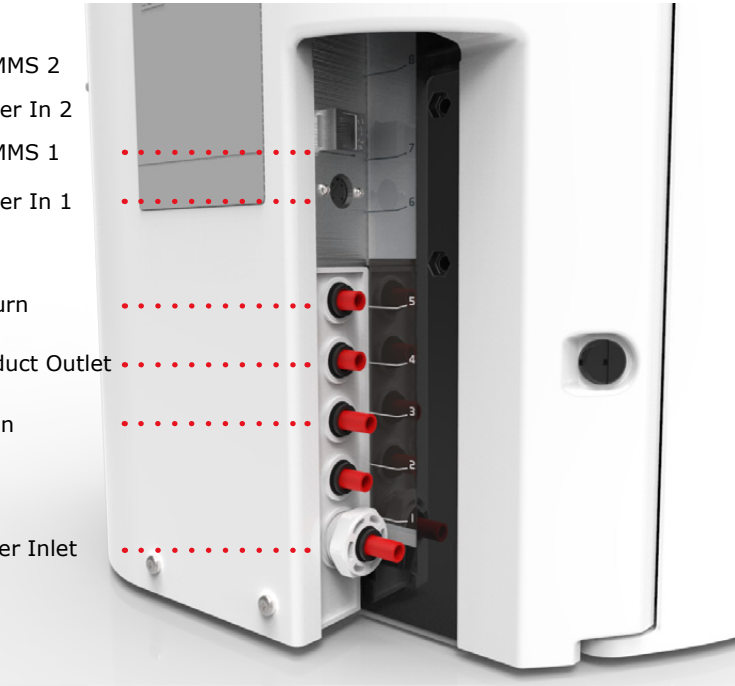
2 YOUR GUIDE TO THE CHORUS
2.1 Life Science - PC1LSCXM2



Use a slotted screw driver to release quarter turn slots on Chorus.



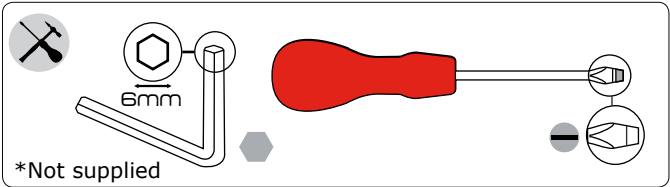
- 9. COMMS 2
- 8. Power In 2
- 7. COMMS 1
- 6. Power In 1
- 5. Return
- 4. Product Outlet
- 3. Drain
- 1. Water Inlet



2.2 Analytical Research - PC1ANRXM2



Use a slotted screw driver to release quarter turn slots on Chorus.



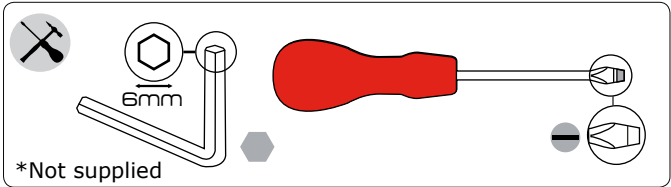
1. Water Inlet
2. Drain
3. Product Outlet
4. Return
5. COMMS 1
6. Power In 1
7. COMMS 2
8. Power In 2
9. COMMS 2



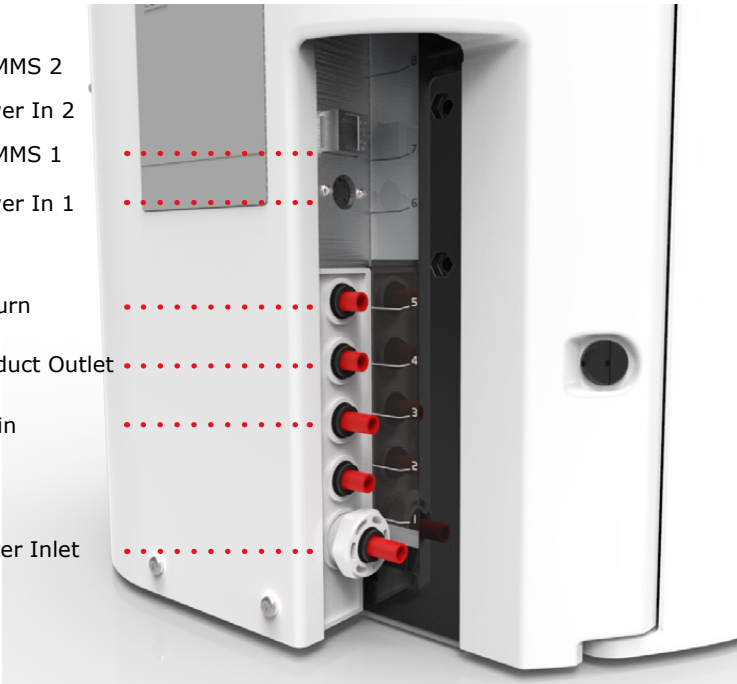
2.3 General Science - PC1GSCXM2



 Use a slotted screw driver to release quarter turn slots on Chorus.



- 9. COMMS 2
- 8. Power In 2
- 7. COMMS 1
- 6. Power In 1
- 5. Return
- 4. Product Outlet
- 3. Drain
- 1. Water Inlet



3 MAINTENANCE



WARNING!

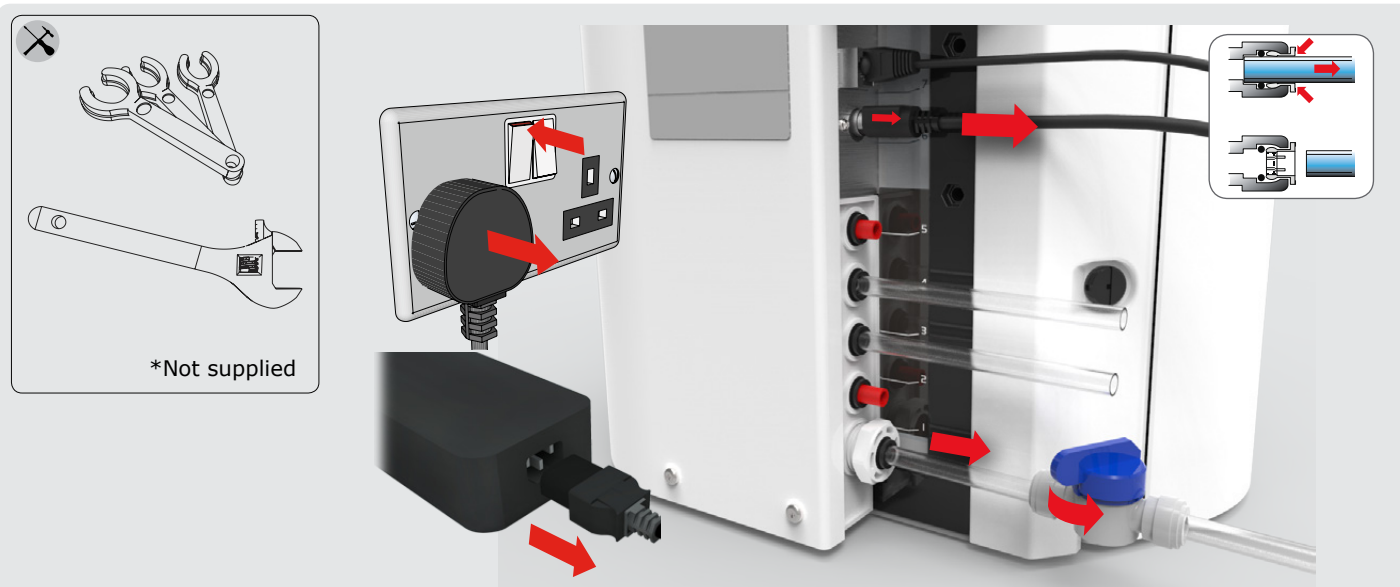
An approved supplier or distributor should carry out any maintenance work not included in this manual.

Note

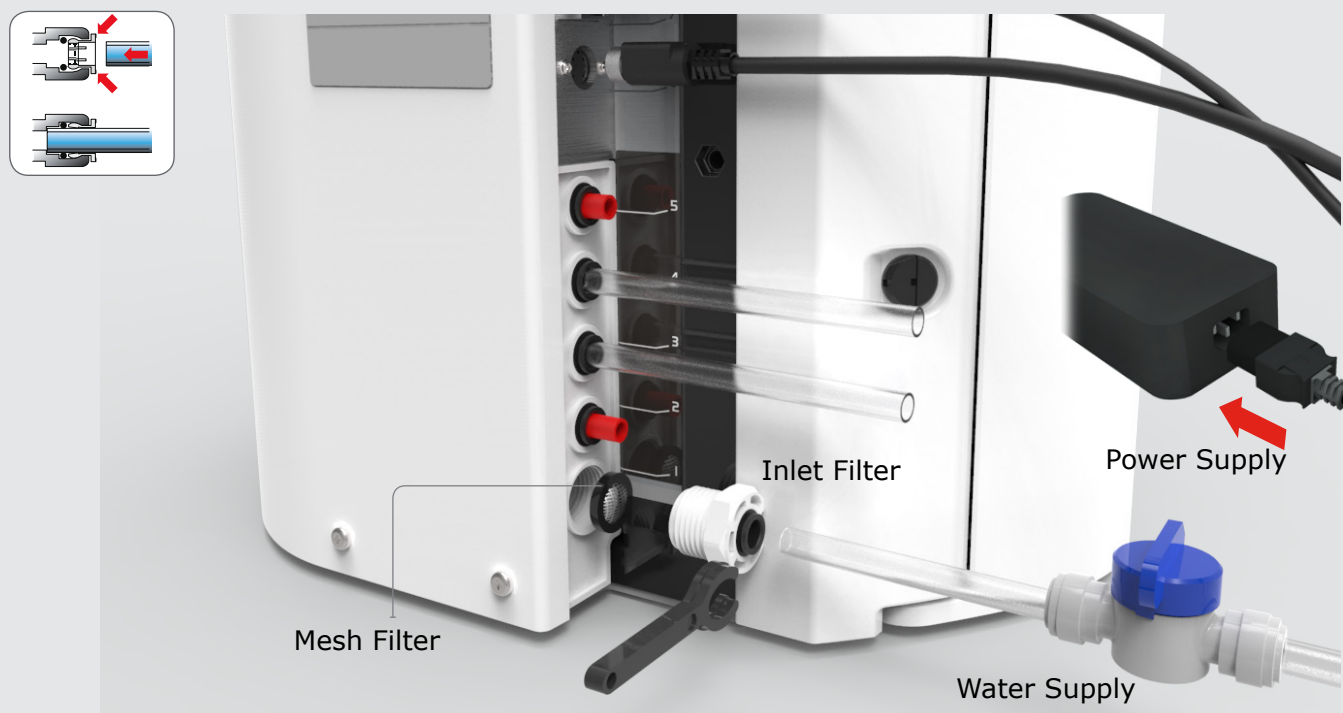
Note: Disposal of all end-of-life consumable items should be in accordance with local statutory regulations.

3.1 Cleaning the Inlet Filter Assembly

Follow the instructions below.



1. Isolate the electrical supply.
2. Turn off water supply, remove inlet pipe.



3. Unscrew the inlet filter and remove the mesh filter. Replace or clean and re-assemble.
4. Reconnect the water and power supply.

3.2 Replacing the Purification Pack

Follow the instructions below.

PC1LSCXM2 / PC1ANRXM2 / PC1GSCM2



1. "Pure Sure Alarm active"
Press and hold accept to enter main menu.



2. Scroll and press accept
"Change Purification Pack(s)".



3. "Select Module" Press accept.



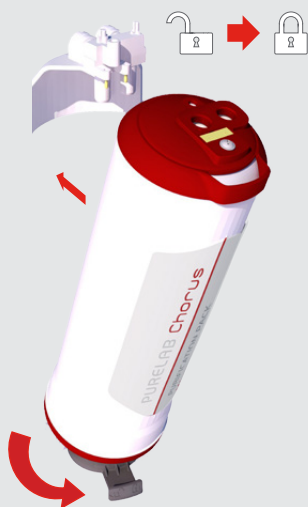
4. Pull down and tilt towards to remove.



5. Remove and dispose of pack 1.



6. Fit Purification Pack 2 into position 1.



7. Insert the base first and rotate the handle.



8. Unpack New Purification Pack and remove the red transit plugs before installing.



9. Insert into position 2.



10. Insert the base first and rotate the handle. Press accept to continue.



11. Place a 5L container under the nozzle and Press dispense button to continue.



12. The system will rinse for up to 1 hour. Follow on screen instructions.

3.3 Replacing the Ultraviolet Lamp LC210

Follow the instructions below.

PC1LSCXM2 / PC1ANRXM2

Note.

The Ultraviolet (UV) lamp should be replaced when:

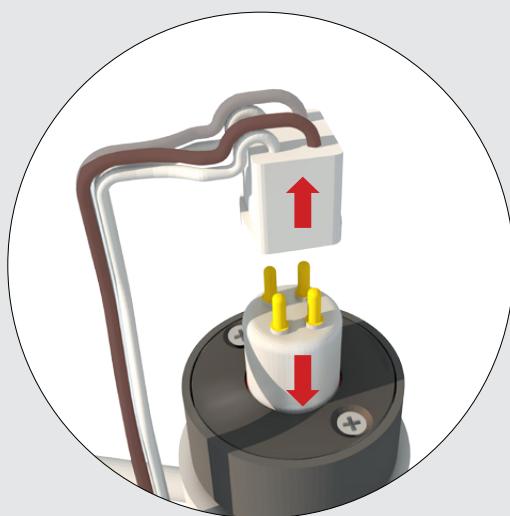
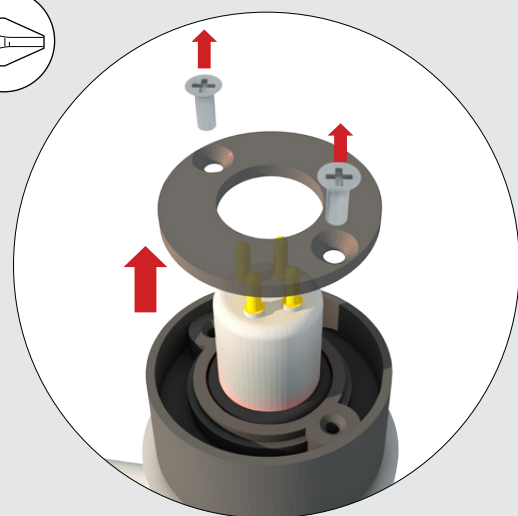
- UV lamp failure occurs
- UV lamp efficiency decrease affecting water purity.

**WARNING**

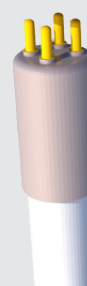
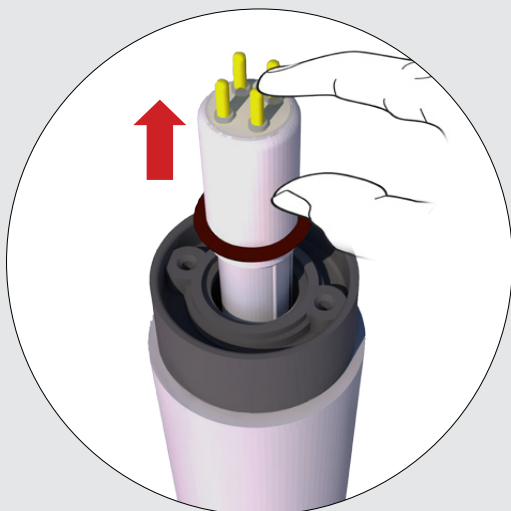
UV-C Radiation is harmful to the eyes and skin. UV Lamp should be operated in the chamber. It is strongly recommended that during the handling of the UV lamp cut-resistant gloves are worn.



Mercury Hazard, do not break. The lamp contains small amount of mercury. May cause redness or irritation as a result of contact with skin and / or eyes.

**1.** Process button off, open right door.**2.** Isolate the power supply and turn off the water.**3.** Unclip UV Lamp LC210 from Chorus.**4.** Disconnect the lamp connector fitted to the top of the UV lamp.**5.** Loosen the 2 securing screws at the top of the UV housing.**CAUTION!**

Hold on to the UV lamp carefully to ensure it doesn't break.



- 6.** Lift and remove the UV lamp from the housing. Discard the used UV lamp accordance with local regulations.

(Re-use the red O ring on the new UV lamp)

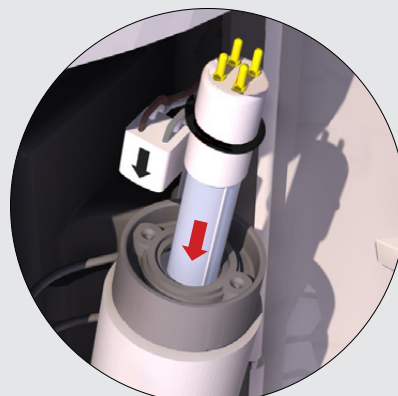


CAUTION!

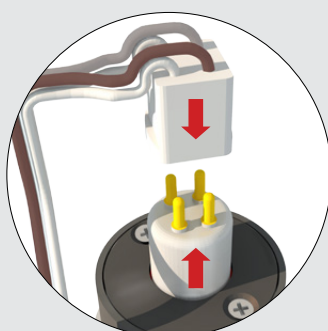
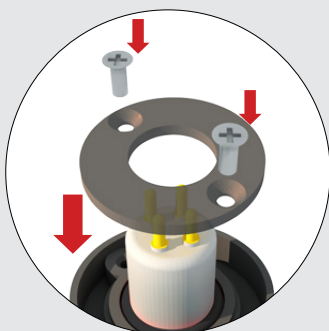
Take care not to touch the surface of the glass. Ideally wear gloves, handle with soft cloth and wipe the surface with alcohol before fitting into the UV lamp housing.



- 7.** Unpack the new UV Lamp.

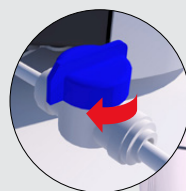


- 8.** Slide the new UV Lamp into the housing.



- 9.** Insert the cap and tighten the screws.

- 10.** Connect the lamp connector to the end of the UV.



- 11.** Turn on the water supply.

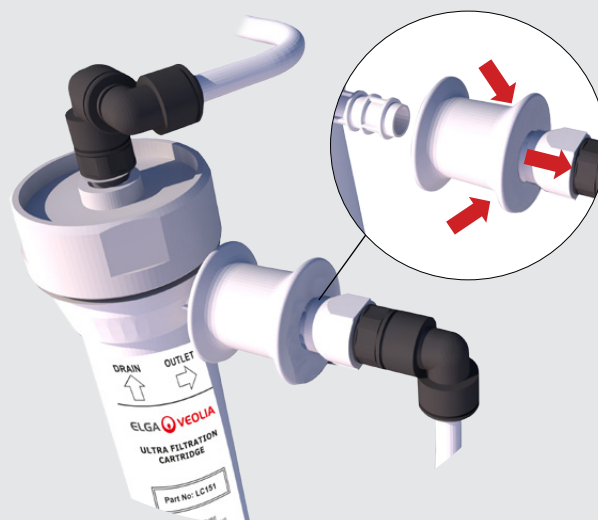
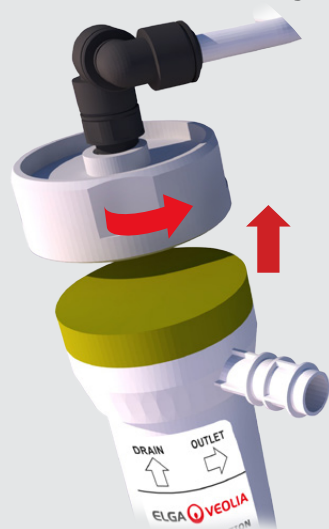
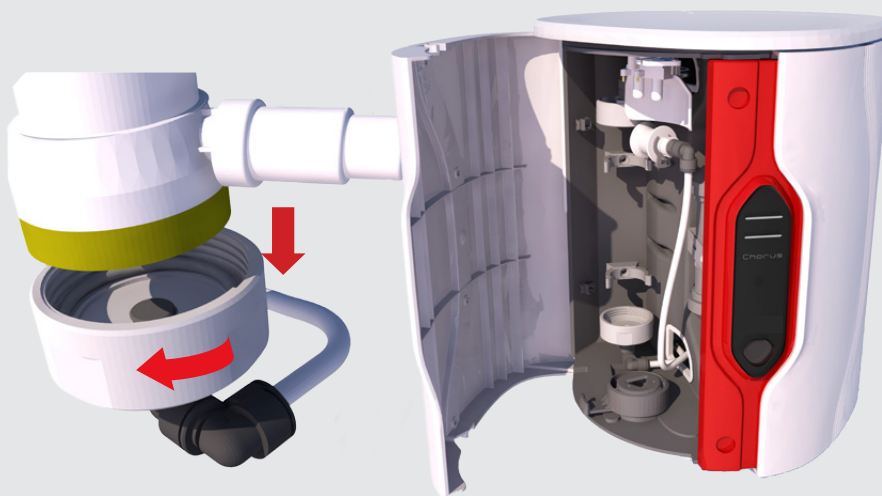
- 12.** Turn on the power supply.



3.4 Replacing the Ultra Filtration Module LC151

Follow the instructions below.

PC1LSCXM2

**1.** Open left door, Process button off.**2.** Remove purification pack.**3.** Remove the existing LC151 from holding clips.**4.** Release the side connection, push back the sleeve of the quick connect coupling.**5.** Remove top cap, drain any liquid.**6.** Remove the bottom cap.**WARNING!**

MODULES WILL REQUIRE RINSING PRIOR TO USE.



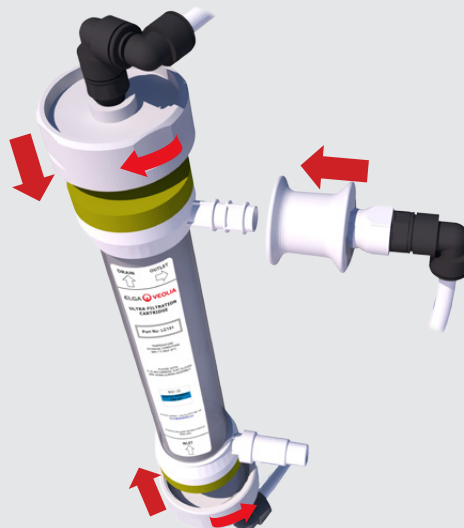
7. Unpack new LC151 and remove transit caps .



8. Attach bottom side plug.



9. Attach the top and bottom caps (**Hand tight**).



10. Reconnect the quick connect coupling.



11. Install the purification pack.



12. Rinse filter. Press and hold the Process button for 15 seconds. Follow on screen instructions.



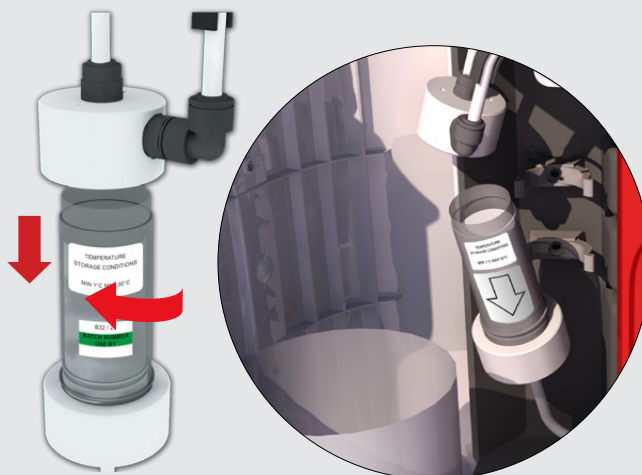
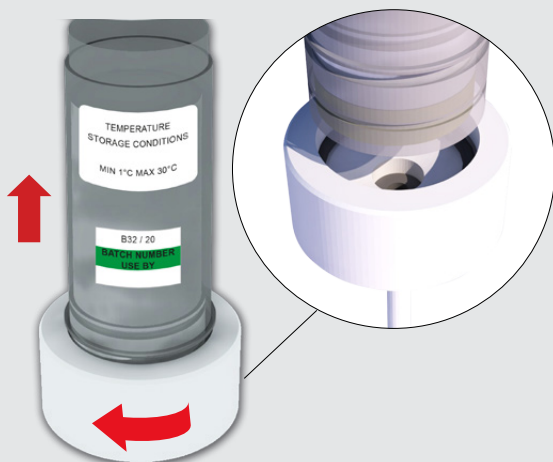
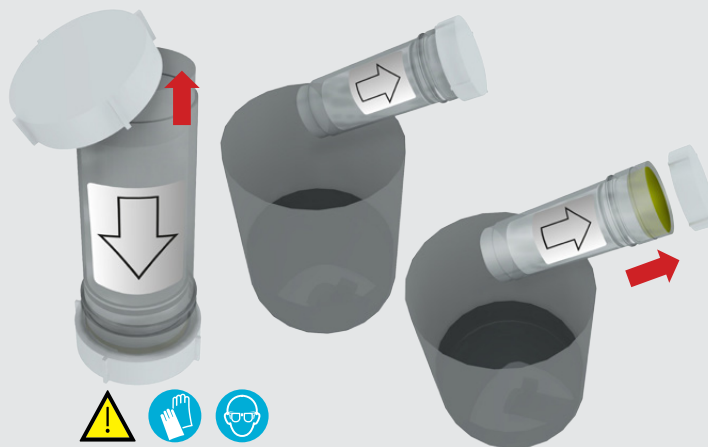
WARNING!

ULTRA FILTRATION MODULE WILL REQUIRE RINSING PRIOR TO USE.

3.5 Replacing the Ultra Mirco Filtration Module LC109

Follow the instructions below.

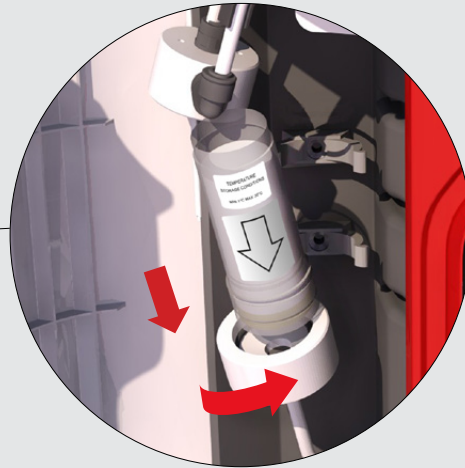
PC1ANRXM2

**1.** Process button off, open left door.**2.** Remove purification pack.**3.** Unclip Ultra mirco filtration module LC109.**4.** Unscrew the top cap and pour the water away.**5.** Remove the bottom cap and discard LC109 filter.**6.** Unpack new LC109 Remove BOTH caps.
⚠ Caution: Pour contents to drain.**WARNING!**

THE LC109 IS SUPPLIED CONTAINING AN AQUEOUS SOLUTION OF 0.3% HYDROGEN PEROXIDE AS A BACTERIOSTAT. WEAR PROTECTIVE GLASSES AND GLOVES .



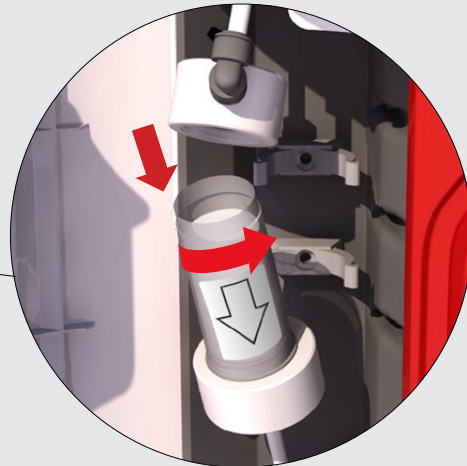
7. Attach the bottom and top caps.



Bottom cap



8. Be careful not to over tighten hand tight only.



Top cap



9. Insert the purification pack.



10. Rinse filter. Press and hold the Process button for 15 seconds. Follow on screen instructions.



WARNING!

ULTRA MIRCO FILTRATION MODULE WILL REQUIRE RINSING PRIOR TO USE.

3.6 Sanitisation Procedure

PURELAB® Chorus LC271 - Liquid Sanitisation - Instructions provide.

PURELAB® Chorus LC272 - Tablet Sanitisation - Instructions provide.

Please take care to ensure your order is the correct consumables items.

4 SELF HELP GUIDELINES

Display Lights

Constant	White	Signifying water purity, unit is operating correctly
Blinking	White	Consumables are nearing the end of useful life
Constant	Red	System needs immediate attention
Blinking	Red	System in clean cycle (Sanitization / Commissioning)
Blinking	Red / White	Software update



Process Button Operation

Press (At any time)	Start / Stop Modules process	Start and stops modules process
Press and hold for 15 seconds (At any time)	Enter / Exit Commissioning Procedure	To enter or exit commissioning mode / sanitization procedure. Press process button for fifteen seconds this will enter commissioning mode. Press once at anytime to pause / resume commissioning mode. This can be done using the Halo dispenser in 'Main Menu'
Press Once (At any time)	Load firmware from USB Flash devices	Automatically loads system firmware from USB flash device. Re-start on completion. This can be done using the Halo dispenser.

Default Alarm Settings

Set Temperature Alarm	Set default values from firmware file. Adjustable set point using application service module. Service module is an engineers tool, only an engineer can adjust the settings. Select to either 30°C, 35°C, 40°C. Default 35°C.
Set Water Purity Alarm Chorus 1	Set default values from firmware file. Adjustable set point using application service module. Resistivity range select from 1.0MΩ.cm, 10.0MΩ.cm or 15.0MΩ.cm. Default Alarm point 15.0MΩ.cm.
Over fill Protection Alarm	Feature activates drain valve if water level is greater than maximum and stops water entering the system to prevent a flood. When alarm is active: V2 energised. If alarm for 5mins, stop module process. Enter refill cycle on overfill alarm deactivation. Alarm status removed (Reservoir 95%)

5 HEALTH & SAFETY NOTES



WARNING!

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



CAUTION!

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

5.1 Environment



CAUTION!

Clean dry indoor. Temp 5-40°C. Humidity max 80% non-condensing.
Failure to follow the environmental specification could result in damage to the system.
The Chorus is not designed for use in fume cupboards where chemicals could damage the system.



WARNING!

ALL NEW UF CARTRIDGE ARE FILLED WITH A PRESERVATIVE SOLUTION TO PREVENT BACTERIAL CONTAMINATION DURING STORAGE.
THE UF CARTRIDGE WILL THEREFORE REQUIRE RINSING PRIOR TO USE.

5.2 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 supply socket is easily available to disconnect the electrical supply.



WARNING!

ONLY USE THE APPLIANCE COUPLER (MAINS LEAD) AND POWER SUPPLY PROVIDED.
THE USE OF THESE WILL ENSURE ADEQUATE EARTH PROTECTION IS PROVIDED.

IF THE EQUIPMENT IS USED IN A MANNER NOT SPECIFIED BY ELGA, THE PROTECTION PROVIDED BY THE EQUIPMENT MAY BE IMPAIRED.

POSITION THE POWER SUPPLY SO THAT IT CANNOT COME INTO CONTACT WITH WATER



WARNING!

ALWAYS ENSURE THAT THE ELECTRICAL POWER SUPPLY IS ISOLATED BEFORE WORKING INSIDE CHORUS.

5.3 Residual Preservative



WARNING!

DURING THE COMMISSIONING CYCLE TRACE RESIDUAL PRESERVATIVE IS FLUSHED FROM THE SYSTEM.
A MATERIAL DATA SHEET IS AVAILABLE UPON REQUEST.

5.4 Ultraviolet Lamp



CAUTION!

Hold on to the UV lamp carefully to ensure it doesn't break.



CAUTION!

Take care not to touch the surface of the glass. Ideally wear gloves, handle with soft cloth and wipe the surface with alcohol before fitting into the housing.

5.5 Control of Substance Hazardous to Health (COSHH)

Material safety data sheets are available upon request.

6 TECHNICAL SPECIFICATIONS

Purified Water Specification				
Model	PURELAB® Chorus PC1LSCXM2	PURELAB® Chorus PC1ANRXM2	PURELAB® Chorus 1 PC1GSCXM2	
Delivery flow rate - maximum	2 l/m	2 l/m	2 l/m	
CO2 reduction (feed dependant)	~ 100%	~ 100%	~ 100%	
Resistivity (ionised species)	18.2 MΩ.cm	18.2 MΩ.cm	18.2 MΩ.cm	
Organics (TOC) - Typical	1 - 3 ppb	1 - 3 ppb	3 - 10 ppb	
Organics (MW >200 Dalton)	N/A	N/A	N/A	
Bacteria - Typical POU filter	<0.1 CFU/ml	<0.1 CFU/ml	<1 CFU/ml	
Bacterial Endotoxin	<0.001 EU/ml	N/A	N/A	
Particles	<0.01 um	<0.05 um	<0.2 um	
Feed Water Specification				
Source Quality	RO, DI or SDI	RO, DI or SDI	RO, DI or SDI	
Fouling Index-Maximum	1	1	1	
TDS-Maximum	N/A	N/A	N/A	
Conductivity (RO/SDI)	<30 / <1 uS/cm	<30 / <1 uS/cm	<30 / <1 uS/cm	
TOC/Organics (typical)	<50ppb	<50ppb	<50ppb	
Free/total Chlorine-Maximum	0.05ppm	0.05ppm	0.05ppm	
Chloramine - Maximum	0.05ppm	0.05ppm	0.05ppm	
Heavy Metals-Maximum (Fe/Mn)	N/A	N/A	N/A	
Silica-Maximum	2 ppm	2 ppm	2 ppm	
Temperature	1-35°C	1-35°C	1-35°C	
Flowrate (max requirement @ 15°C)	130l/h	130l/h	130l/h	
Drain requirements	2 l/m	2 l/m	2 l/m	
Maximum feed pressure	0.7 bar (10psi)	0.7 bar (10psi)	0.7 bar (10psi)	
Minimum feed pressure	0.07 bar (1psi)	0.07bar (1 psi)	0.07bar (1 psi)	

Connections

Inlet	8mm (5/16) OD tube
Outlet	8mm (5/16) OD tube
Drain	8mm (5/16) OD tube

Electrical Requirements

Model	PURELAB® Chorus PC1LSCXM2	PURELAB® Chorus PC1ANRXM2	PURELAB® Chorus 1 PC1GSCXM2
Mains Input	100-240 Vac 50-60 Hz	100-240 Vac 50-60 Hz	100-240 Vac 50-60 Hz
System control voltage	24V dc	24V dc	24V dc
Power consumption (peak demand)	60VA	60VA	60VA
Reservoir Level Connection	RJ45	RJ45	RJ45
Noise level	<45dBA	<45dBA	<45dBA

Dimensions & Weight

Model	PURELAB® Chorus PC1LSCXM2	PURELAB® Chorus PC1ANRXM2	PURELAB® Chorus 1 PC1GSCXM2
Height	435mm	435mm	435mm
Width	375mm	375mm	375mm
Depth	340mm	340mm	340mm
Supply Weight	20kg(44lb)	17kg(37lb)	17kg(37lb)
Operating Weight	22kg(49lb)	18kg(40lb)	22kg(49lb)
Installation	Bench / Wall / Floor	Bench / Wall / Floor	Bench / Wall / Floor

Dependent on feed water as part of our policy of continual improvement we reserve the right to alter the specifications given in this document.

Consumables

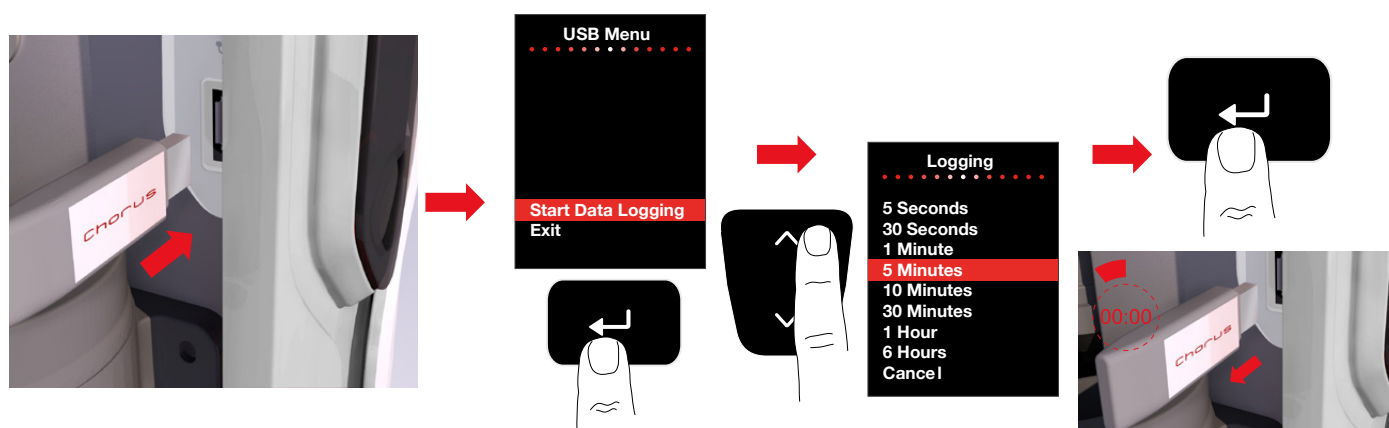
Part No.	Description	Typical Service Life *	Max. Shelf Life
LC210	185/254mm UV Lamp	12 - 18 Months	2 years
LC232 / LC244 / LC245 / LC246	Purification Pack	12 Months	2 years
LC109	Ultra Micro Filtration	12 Months	2 years
LC151	Ultra Filtration	12 Months	2 years
CT1	Tablets	1 every 6 months	2 years
Effersan™	Tablets	>8 Months	>8 Months

*Service life is an estimate only, and will depend on the application and feed water quality.
Please take care to ensure your order is the correct consumables items.

7 CUSTOMIZED OPERATION

It's possible to customize your Chorus by downloading additional features and changing your current settings. To find out more, please visit www.elgalabwater.com/customize

7.1 USB Data Logging To download technical data please follow instructions.



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.

The warranty provided herein and the data, specifications and descriptions of the VWS (UK) Ltd. products appearing in VWS (UK) Ltd. published catalogues and product literature may not be altered except by express written agreement signed by an officer of VWS (UK) Ltd. Representations, oral or written, which are inconsistent with this warranty or such publications are not authorized and, if given, should not be relied upon.

In the event of a breach of the foregoing warranty, VWS (UK) Ltd. sole obligation shall be to repair or replace, at its option, any product or part thereof that proves to be defective in materials or workmanship within the warranty period, provided the customer notifies VWS (UK) Ltd. promptly of any such defect. The exclusive remedy provided herein shall not be deemed to have failed of its essential purpose so long as VWS (UK) Ltd. is willing and able to repair or replace any nonconforming VWS (UK) Ltd. product or part. VWS (UK) shall not be liable for consequential, incidental, special or any other indirect damages resulting from economic loss or property damage sustained by any customer from the use of its products.

VWS (UK) Ltd. 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.

VWS (UK) LTD. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED. THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The warranty provided herein and the data, specifications and descriptions of the VWS (UK) Ltd. systems appearing in VWS (UK) Ltd. published catalogues and product literature may not be altered except by express written agreement signed by an officer VWS (UK) Ltd. Representations, oral or written, which are inconsistent with this warranty or such publications are not authorised and, if given, should not be relied upon.

In the event of a breach of the foregoing warranty, VWS (UK) Ltd. sole obligation shall be to repair or replace, at its option, any product or part thereof that proves to be defective in materials or workmanship within the warranty period, provided the customer notifies VWS (UK) Ltd. promptly of any such defect. The cost of labour for the first ninety (90) days of the above warranty period is included in the warranty; thereafter, labour cost shall be at the customer's expense. The exclusive remedy provided herein shall not be deemed to have failed of its essential purpose so long as VWS (UK) Ltd. is willing and able to repair or replace any nonconforming VWS (UK) Ltd. system or component part. VWS (UK) Ltd. shall not be liable for consequential, incidental, special or any other indirect damages resulting from economic loss or property damage sustained by any customer from the use of its process systems.

Products or components manufactured by companies other than VWS (UK) Ltd. or its affiliates

("Non - VWS (UK) Ltd. products") are covered by the warranty, if any, extended by the Product manufacturer. VWS (UK) Ltd. hereby assigns to the purchaser any such warranty; however VWS (UK) LTD. EXPRESSLY DISCLAIMS ANY WARRANTY WHETHER EXPRESSED OR IMPLIED, THAT THE NON - VWS (UK) Ltd. PRODUCTS ARE MERCHANTABILITY OR FIT FOR A PARTICULAR PURPOSE.

NOTICE

VWS (UK) Ltd. is constantly striving to improve its products and services. Consequently, the information in this document is subject to change without notice and should not be construed as a commitment by VWS (UK) Ltd.

Also VWS (UK) Ltd. assumes no responsibility for any errors that may appear in this document. This manual is believed to be complete and accurate at the time of publication. In no event shall VWS (UK) Ltd. be liable for incidental or consequential damages in connection with or arising from the use of this manual.

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

The Labwater Specialists

ELGA is the global laboratory water brand name of Veolia. The information contained in this document is the property of VWS (UK) Ltd, trading as ELGA LabWater, and is supplied without liability for errors or omissions. © VWS (UK) Ltd.
2017 - All right reserved. ELGA®, PURELAB®, ADEPT® Labpure® and PureSure® are registered trademarks of VWS (UK) Ltd.

