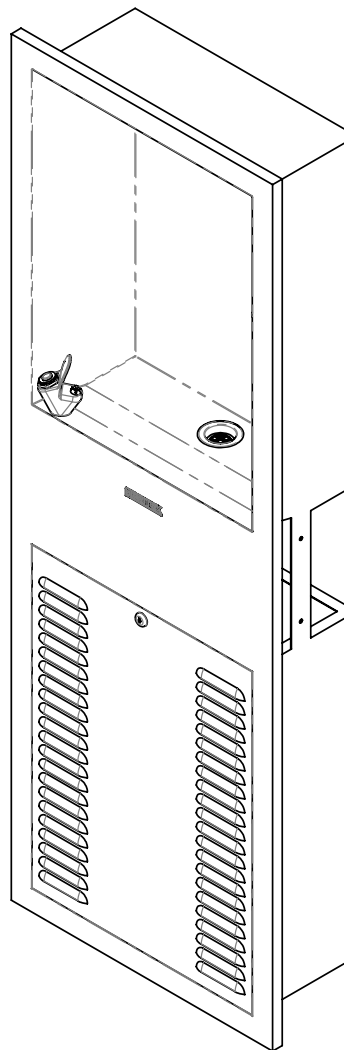


# DIWR

## *In Wall Refrigerated Drinking Fountain*

### Installation Guide



#### MELBOURNE

Britex Place Mirra Crt  
Bundoora VIC 3083  
t (03) 9466 9000  
e vic@britex.com.au

#### SYDNEY

16 Northumberland Drv  
Taren Point NSW 2229  
t (02) 9531 2100  
e nsw@britex.com.au

#### PERTH

Unit 1/8 Principal Link  
Mallaga WA 6090  
t (08) 9249 5464  
e wa@britex.com.au

#### BRISBANE

19 Manila St  
East Brisbane QLD 4169  
t (07) 3363 2400  
e qld@britex.com.au

#### ADELAIDE

The Britex Group  
SA State Office  
t 1300 764 744  
e sa@britex.com.au

## IMPORTANT

ALL SERVICE TO BE PERFORMED BY AN AUTHORISED SERVICE PERSON

*Installation of this unit must be in accordance with AS/NZS 3500.1, AS/NZS 3500.2, the PCA and the local regulatory requirements. Water and/or electrical supply conditions must comply to national or state requirements and standards. Failure to comply shall void the product warranty and may affect the performance of the product. For further support and after-sales care, please contact Britex.*



## WARNING

WHEN INSTALLATION IS COMPLETE, ENSURE THESE INSTRUCTIONS REMAIN INSIDE THE PLASTIC BAG PROVIDED WITH THE UNIT FOR FUTURE REFERENCE

## About

The BRITEX Stainless Steel In Wall Refrigerated Drinking Fountain is a great space saving, vandal resistant fixture for public spaces that provides instant chilled water. Mounted flush with the wall and set into a cavity, it will not obstruct public thoroughfares. Fully welded with rounded internal corners for easy cleaning, the drink fountain is supplied complete with waste outlet, push button drink bubbler, a separate bottle filler and lockable service panel. Great for schools, public amenities, pavilions and sporting clubs.

## Preparation and Completion Notes

**Contractors please note:** Stainless steel drinking fountains should be installed after all other building activities that could cause contamination to the surface of the stainless steel have been completed.

These activities include:

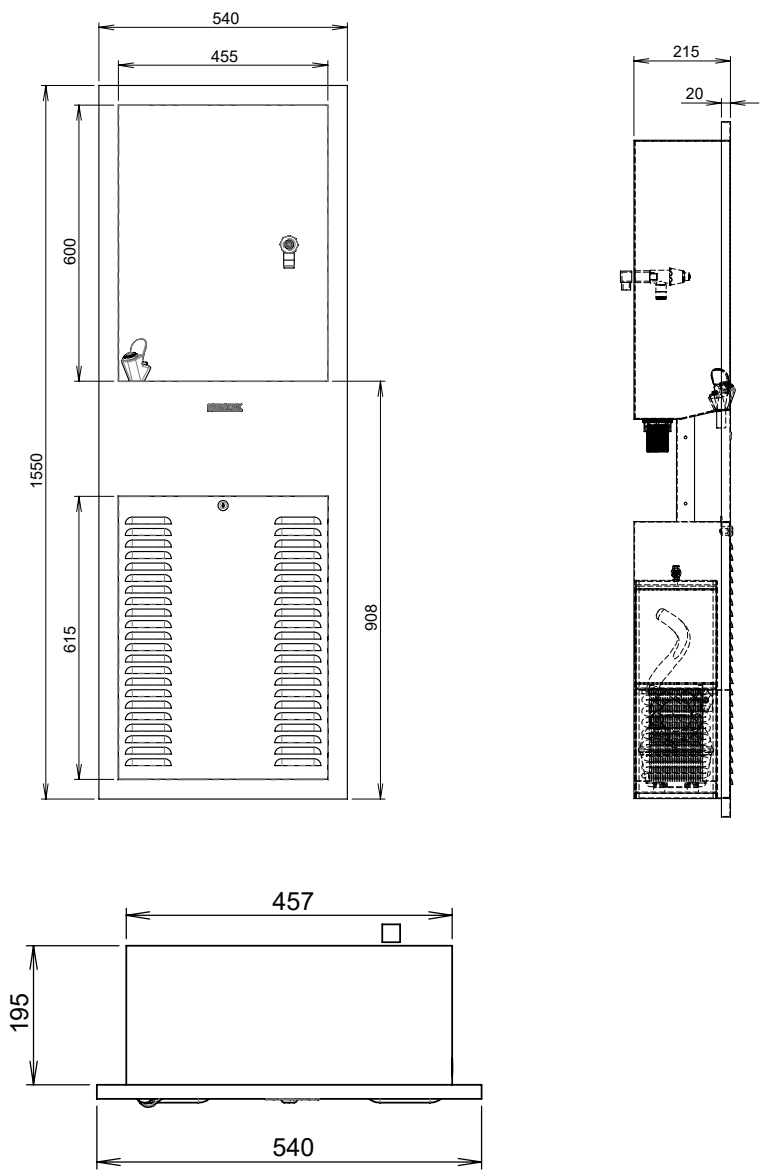
Using proprietary building mortar removers containing hydrochloric acid. Welding, cutting and grinding that may 'spray' carbon steel and iron particles onto the stainless-steel surface.

1. Remove drinking fountain from box packaging and inspect for any damage before beginning installation process.
2. Confirm all requested details are correct.
3. If drinking fountain is damaged in transit or if any details are not as requested, do not install it. Notify Britex immediately within 24 hours of receipting the product.

## Technical Parameters

<b>Inlet Connection</b>	1/2" BSP Male along with other parts as stipulated in the drawing
<b>Recommended Inlet Pressure</b>	350 kPa
<b>Maximum Inlet Pressure</b>	500 kPa
<b>Water Supply Temperature Limitations</b>	4-15°C

# DIWR Drawing



## Installation Instructions

1. Removed the fountain from the packaging and ensure it is not damaged in anyway.
2. Ensure the waste and water supply is run to where the unit will be placed in the wall. There will need to be access to a GPO in the wall cavity.
3. The fountain will need to be installed in a cavity recess of the wall, that should measure the following dimensions as a minimum, 1475H x 465W x 230D.
4. Fixing brackets to side of unit affix to inside of wall cavity structure.
5. Once the unit is in place, the waste and water supply to the chiller unit and then onto the bubbler unit can be installed. There is a PRV that is supplied on the chiller unit. The specific requirements of the plumbing components needed are stipulated in the drawing below.
6. Britex recommends that an in-line filter to prevent debris fouling the bubbler. This is not supplied.
7. A silicon sealant should be applied to the external perimeter of fountain for additional sealing and securing.

Note: No need for any special tools to carry out this job.

## Spare Parts



### TW-CPB

Drink Safe™ Push Button Drinking Bubbler Tap. Manufactured using high quality DZR solid brass with less than 0.25% lead content\* Vandal Resistant, hygienic and sturdy, perfect for drinking fountains in public amenities, schools and councils.



### TW-BF-HF

Hob Mounted Lead Safe Fixed Spout Gooseneck Bottle Filler - Manufactured using high quality DZR solid brass with less than 0.25% lead content\*



### CWU-INT

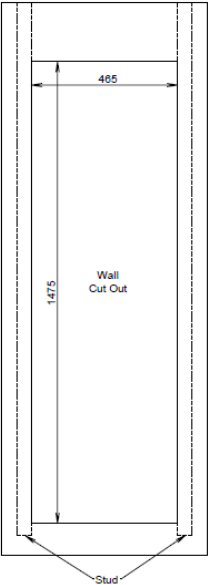
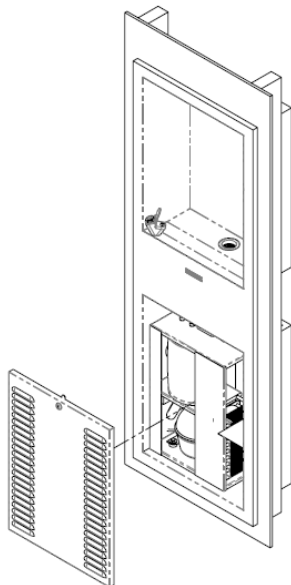
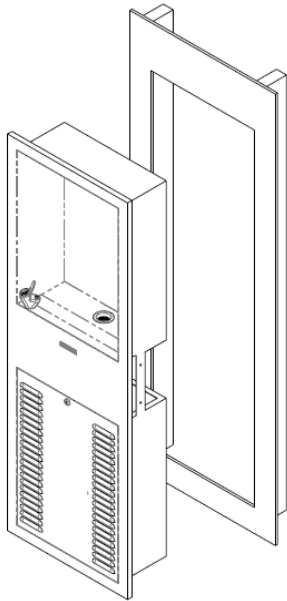
- This unit **MUST** be installed in a **Vertical Orientation**
- This unit **MUST** be installed with a **Pressure Relief Valve (supplied)**
- This unit **MUST** be installed with **Ventilation**



### PRV

Pressure Relief Valve for CWU-INT

# DIWR Installation Drawing



## Troubleshooting Drinking Fountain

SYMPTOM	CAUSES	ACTION
No Water	Water supply	Check main supply
Leaking waste pipe	Crack in pipe	Contact plumber

## Troubleshooting for Manual Push Button Bubbler

PROBLEM	CAUSES	ACTION
Inconsistent flow	Blocked top assembly	Remove top assembly and clean
Water is not flowing from tap	Water is turned off	Turn on water
Continuous flow	Top assembly loose or internally obstructed or damaged	Remove top assembly, clean with water and re-grease spindle if required
Button hard to press	The mains pressure may be too great	Reduce to below 500kPa (70PSI). Regrease spindle if required

## Troubleshooting for CWU-INT

SYMPTOM	CAUSES	ACTION
No Water	Water supply	Check main supply
Water not cold	<ul style="list-style-type: none"> <li>• Loss of gas</li> <li>• Failed fan</li> </ul>	Contact manufacturer
	No power supply	Check and test power supply
	Poor ventilation	Clean cabinet louvers (if fitted) and condenser fins. These units need ventilation

**Cleaning:** The coil in front of the unit must be kept clean. Check on a regular basis i.e., weekly and should be dusted and vacuumed. The vents on the side of the unit should be free from dust or lint and checked on a regular basis. The cover itself should be wiped over with a damp cloth.

When servicing/cleaning the unit **please be aware** that the unit is pressurised and contains gas.

## Specifications for CWU-INT Chiller Unit

	CWU - INT
Height	485 mm
Length	335 mm
Width	185 mm
Dry Weight	15.4 kg
Water Tank Capacity	3.6 Litres
Initial Draw Off	4.5 Litres
Water Tank Safety Pressure Relief Valve	700 kPa
Litres per minute of Chilled Water @ 350kPa	15 Litres per hour cold water supply (14 min recovery time)
Compressor	Hermetically sealed with automatic over load
Condenser	Fan assisted
Temperature Control	Capillary controlled factory pre-set thermostat
Thermostat Pre-Set	5 Degrees Celsius (+2)
Power Supply	10 amp power cable and plug
Capacity	1 / 6 HP
Power	165 Watts
Optimum Ambient Operating Temperature	2 - 30 Degrees Celsius
Incoming Water Temperature	17 Degrees Celsius
Chilled to	8 - 10 Degrees Celsius
Minimum Working Pressure	200 kPa
Maximum Working Pressure	800 kPa
Water Inlet	6 mm PE Push in Fitting
Water Outlet	6 mm PE Push in Fitting
Optimum Quantity of Serviced Taps/Bubblers	2
Chilled Cups per Hour (Cup size 175ml)	85

## Care and Maintenance

**Cleaning:** The coil at the front of the unit and the vents on the side must be kept clean from dust and lint. Regular checks of the unit should be conducted on a weekly basis and cleaning carried out as necessary by dusting with a soft brush and/or vacuuming. A damp cloth can be used to wipe the exterior cover down. Excessive build up of foreign material will result in poor ventilation, causing the compressor to overheat and drinking water to increase in temperature. High pressure hoses and water jets should never be used to clean chiller units.

Stainless steel products should be kept clean at all times. The secret to stainless steel's ability to maintain a high quality finish and promises of a long life expectancy is the invisible chromium-oxide film that sits on the surface and protects the steel beneath. To maintain this film it is essential that the surface remains clean and in constant contact with oxygen. If this film is penetrated (either by abrasion or chemically) and dirt, liquid, grime contaminants embed themselves in these micro chasms for an extended period of time, the chromiumoxide film will not be able to regenerate and the steel below will eventually become damaged and discoloured.

### ***What we recommend for general cleaning and maintenance:***

#### **Cleaning Materials:**

- A soft cloth
- A soft-bristled brush
- A natural or artificial sponge

#### **Cleaning Solutions:**

- Hand washing soap / soft water solution
- Mild soap / soft water solution
- White vinegar / soft water solution

It is recommended that general cleaning of stainless steel surfaces be carried out weekly, or as soon as a build up of surface media has been observed. To clean, simply wash stainless steel surfaces with, warm, diluted, mild soapy water using a cloth or soft bristled brush. Once all dirt, oil and grime is removed, rinse thoroughly with

clean water and wipe dry.

**Do NOT** – use a metal brush or steel wool to clean stainless steel. Ever. These tools will scratch the surface as well as potentially leave behind steel fragments that can go rusty and cause the stainless to discolour. Using these materials will void the warranty.

**Do NOT** – use scourers of any kind that have previously been used on ordinary steel. Microscopic steel fibers transferred onto stainless steel can cause considerable damage to the surface and will void the warranty.

**Do NOT** – use abrasive cleaning brushes, pads or agents on highly polished finishes

**Do NOT** use harsh cleaners that contain powerful acidic or alkaline chemicals such as hydrochloric acid and sodium hydroxide that will damage the surface. Any water coming into contact with stainless steel, particularly cleaning solutions, should have zero chloride content as even minute amounts can cause damage. Using these cleaners will void any product warranty.

**Do NOT** – use chlorinated sanitizers, cleansers or bleach of any kind. Using these substances will void the warranty. Despite some cleaners displaying the text, 'Suitable for Toilets and Urinals' this is more likely in reference to ceramic/vitreous China products and use of these cleaners can damage stainless steel and will void the warranty.

**Do NOT** – use brick cleaning liquids that contain hydrochloric acid anywhere near stainless. If cement needs to be removed from stainless (before it sets), a mixture of hot water and 25% vinegar or 10% phosphoric acid can be effective. Once cleaned, the surface should then be neutralised with dilute ammonia or sodium bicarbonate then rinsed and dried



## Warranty

The BRITEX product is backed by our manufacturer's warranty available for download from our website at [www.britex.com.au](http://www.britex.com.au). We expressly warrant that the product is free from operational defects in workmanship and materials for the warranty period indicated on the schedule in the manufacturer's warranty. During the warranty period, BRITEX will repair or replace any defective products manufactured by BRITEX at no charge, provided that the terms of the manufacturer's warranty are followed.

This warranty is the only warranty given by BRITEX, and we expressly disclaim all other warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose. This warranty represents the sole and exclusive remedy for breach of warranty, and BRITEX shall not be liable for any incidental, special, or consequential damages, including lost profits, labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, electrical or any other circumstances beyond BRITEX's control.

This warranty shall be void if the product is abused, misused, improperly installed, maintained, or altered. By purchasing our product, you agree to these terms and conditions. We appreciate your business and look forward to providing you with high-quality products and services.



**MELBOURNE**  
Britech Place Mira Crt  
Bundoora VIC 3083  
t (03) 9466 9000  
e vic@britech.com.au

**SYDNEY**  
16 Northumberland Drv  
Taren Point NSW 2229  
t (02) 9531 2100  
e nsw@britech.com.au

**PERTH**  
Unit 1/8 Principal Link  
Malaga WA 6090  
t (08) 9249 5464  
e wa@britech.com.au

**BRISBANE**  
19 Manilla St  
East Brisbane QLD 4169  
t (07) 3363 2400  
e qld@britech.com.au

**ADELAIDE**  
The Britech Group  
SA State Office  
t 1300 764 744  
e sa@britech.com.au