

GF Piping Systems

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# Efficient cooling for your sustainable brewery

Innovative piping solutions  
for the brewing industry



COOL-FIT System

# Energy efficient brewing processes

Extreme cooling confidence with pre-insulated plastic piping systems. COOL-FIT increases the efficiency of your cooling circuit and is a more sustainable alternative to metal piping systems.



## Efficient

High grade pre-insulation enhances energy efficiency (by 30%) with huge impact on costs and the planet's energy consumption.



## Lightweight

60% less weight than steel pipes per meter, allowing single-person installs.



## Corrosion-free

100% corrosion-free and longer lasting than metal alternatives. No incrustation for reliable long-term efficient operation, ensures safe and reliable precision cooling.



## Industry specific

Small and large diameters specifically focused on indoor and outdoor applications.



## System integrity

The complete product portfolio consists of pre-insulated pipes, fittings, valves, flexible hoses, and all tools necessary for a safe and reliable installation.



## Reliable and safe

Maintenance-free operation for safe production with plastic construction providing a 25-year minimum lifespan.



## Fast and easy

Simple jointing with electrofusion and system-specific tools.



# Becoming carbon neutral

## Industrial energy efficiency challenge

One topic regularly covered in discussions centered around sustainability, water scarcity, and the conservation of precious resources is being more energy-efficient and achieving net-zero emissions. The need to reduce carbon emissions and greenhouse gases (GHG) to more acceptable levels has made energy efficiency in construction and innovation one of the most challenging problems for organizations to overcome.

## Your partner for improving energy efficiency

As a company active worldwide, GF Piping Systems' mission is to show our commitment to sustainability by supporting our customers' success with innovative, energy-saving solutions that make the collective global footprint and productivity levels more sustainable. With proper installation, our world-leading solutions can provide several advantages to building owners and industrial leaders, helping them improve energy efficiency for life.

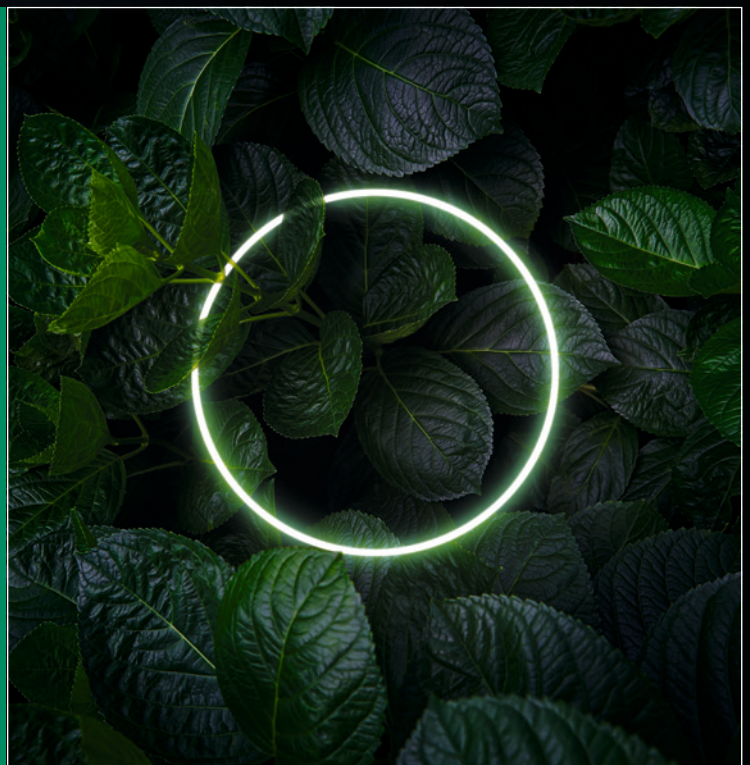


## Environmental Product Declaration

GF Piping Systems is committed to protecting the environment. It is therefore important for us to know about the potential environmental impacts of its products and systems. To assess these impacts, GF Piping Systems conducted a number of Life Cycle Assessments (LCAs) for different products and materials and compiled respective Environmental Product Declarations (EPD) in line with the standard EN 15804+A1. An EPD is an independently verified and registered document that provides transparent and comparable information about the environmental impact of products.



Find more information on our "Product LCAs and EPDs" page.



## References

# Reliable systems for sustainable processes – approved by the markets



BURLEIGH  
BREWING

### **Burleigh Brewing Co – A craft brewery revolution in the Gold Coast**

Burleigh Brewing was founded in 2006 by Peta and Brennan Fielding. They first met in Hawaii when Brennan was mastering his craft of brewing and Peta was on studying her fourth university degree. Their Brewing journey together started in 1999 when they became part-owners of Brew Moon in Waikiki Hawaii. A willingness to take on a massive challenge was needed to bring craft beer to Gold Cost, Australia which was Peta's home. Since Burleigh Brewing's inception in 2006, Peta and Brennan have built an ever-growing team of more than fifty and together won countless awards for both business and brewing. The Burleigh Heads brewery is their temple where all brewing, fermenting, maturing, filtering, bottling and canning

**Our cutting-edge technology combines corrosion and maintenance-free components with a reliable and efficient factory pre-insulated system. We've successfully delivered more than 500 customer projects in multiple industries and installed more than 500,000 kilometers of COOL-FIT pipe globally.**

is all done in-house by a dedicated and passionate team. The heartbeat of Burleigh Brewing is its people. GF Piping Systems Australia has been a part of this journey from 2015 when COOL-FIT ABS was chosen for glycol cooling system and since 2020, with two extensions, Burleigh has transitioned to COOL-FIT 4.0. With a close relationship with the brewery, GF has worked closely with Burleigh Brewing to provide design, technical, customer service support and trained local installers with on-site technical support to ensure correct installation. With no on-going maintenance costs, energy efficiency and no condensation, Brennan and the team has total piece of mind with local support.





**Mountain Culture Beer Co. –  
Blue Mountains Craft Brewery**

Despite undergoing a production expansion just months after they opened their Katoomba brewpub, demand for Mountain Culture’s beer during COVID-19 was so high, it saw production capacity max out at the site by Christmas 2020. With a wait-list of over 300 venues across Australia desperate to get their hands on some beers, co-founders DJ and Harriet McCreedy opened a second site - a 3,000sqm production facility in Emu Plains. The pair needed to invest in a highly energy efficient chilling system for fermentation and the GF COOL-FIT 4.0 pre-insulated piping system was chosen for the glycol circuit. An experienced COOL-FIT installer from Brisbane was engaged for installation, however NSW was plunged into lockdown the week install was scheduled. This challenge was overcome by GF Piping Systems providing remote product, installation training and support to a local Sydney-based plumber who spent time learning about the COOL-FIT piping system and electro-fusion jointing technology. The 3-in-1 system meant DJ did not need to get more trades involved for post lagging, and allowed the local plumber to install the piping system quicker than a traditional metal piping. The first batch of beer was brewed in August 2019 and Mountain Culture’s capacity has grown from 60,000 litres to 2 million litres per year.



DJ McCreedy says “Emu Plains has the reputation of being the hottest place in Australia so putting a brewery there meant we needed to take our refrigeration and glycol cooling seriously. We felt that the GF Piping Systems COOL-FIT 4.0 was the best choice for a few reasons including that it would maintain our ethos of being energy efficient and environmentally friendly, GF piping looks good and - most importantly - it performs really well and maintains the cool temp of our glycol, even when challenged by the hot summer months.” Popular beers include Status Quo pale ale, Be Kind Rewind NEIPA and Back To Cali WCIPA.



## References



### Bailey Brewing Co.

Located on the intersection of Park Street and West Swan Road and nestled within the picturesque native bushland of Henley Brook, Bailey Brewing Co delivers a relaxed rural family experience within 25 minutes of Perth City in Western Australia.

Brewed in Swan Valley's backyard: Their philosophy has always been to brew simple, sessionable beers that taste great. Bailey Brewing Co. bring in the best hops they can find and combine it with fresh WA ingredients to get the recipe just right. Once their craft is done, the liquid gold is transferred to their serving tanks ready to be poured from the tap, straight to you. Bailey Brewing Co. is the one-stop-shop for all things good food, great beer and fun vibes.

Designed by Flying Foam and installed by Barons Beverage Services, the 3-in-1 pre-insulated COOL-FIT 4.0 system was quick, easy and fast to install. "We decided to use the GF Piping Systems COOL-FIT system, after previously using the COOL-FIT ABS solvent cement glued system, the electrofusion welding was much faster to install and with the energy efficiency and



how good it looks, with just two installers on site, we got the entire glycol piping system done in less than 48 hours" Liam Baron, Director Barons Beverage Services.

All Bailey Brewing Co. beers have won awards at the 2022 Perth Royal Beer Awards with the most awarded is the Hazy IPA (6.2% ABV).





### Fox Friday Tasmania

Fox Friday is an independent craft brewery based in Hobart, Tasmania Australia known for their big, juicy, hoppy beers. Benn and Sarah Hooper took over the reins at Fox Friday in 2019 after a move back to Australia from the USA. Since then, Fox Friday has grown and moved from the original brewery to a new space in Moonah and opened a Taproom on Murray St, in Hobart's CBD. In early 2022, the new Fox Friday brewery was completed in Moonah, a few kilometres north of Hobart. Inside there is a 15-hectolitre system, canning line and barrel ageing warehouse.

In the preparations in building the brewery and choosing a quality piping system, Fox Friday had the perfect purpose for COOL-FIT. Benn was set on using a product that was innovative and energy efficient. Winequip lead installer, Hayden says "We needed to supply a brewing system that had many size connections with the correct adaptor fittings to successfully supply the glycol refrigeration. The COOL-FIT prefabricated transition T's with a BSP thread allowed a direct connection from hoses to the tanks which allowed additional on-site labour savings".

Plans for a new brewery and taproom are underway in Richmond, Melbourne - where the aim is to replicate the existing Hobart brewhouse for consistency and increased production.



### Flying Foam

Extensive research was conducted by Flying Foam into energy efficient piping media for the reticulation of glycol services within its brewery installations. Working with the GF Piping Systems Australia team in Perth, Flying Foam became the West Australian agents for the previous GF COOL-FIT ABS system specifying and installing the COOL-FIT ABS system on all appropriate Flying Foam brewery installations both in Western Australia and across Australia. As an engineering-based supplier of brewing and distilling equipment throughout Australasia, Flying Foam puts energy efficiency and sustainability at the forefront of its services design. The new COOL-FIT 4.0 system, ticks all the boxes for Flying Foam and its clients with a quality fit for purpose glycol piping solution.

Flying Foam's customers who have invested in the sustainability and quality of GF Piping Systems COOL-FIT portfolio include:

- Bailey Brewing Company – Swan Valley WA
- Shelter Brewing Company – Busselton WA
- Running With Thieves – Fremantle WA
- Ogdens Brewery – South Perth WA
- Waverley Brewhouse – Cannington WA
- Aquila Black Distillery – Wangara WA
- Two Dogs Brewing Company – Fortitude Valley QLD

Upcoming breweries include:

- Spinifex Brewing Company – Nambeelup WA
- Spinifex Brewing Company – Broome WA
- Dunbay Brewing Company – Dunsborough WA
- Donny Brewhouse – Donnybrook WA

## WINEQUIP

### Winequip

With initial launch by GF Piping Systems Australia for COOL-FIT 2.0 in 2019, Winequip was one of the key contractors who were trained and certified in installation. Hayden Sekula, Service and Project Manager for Winequip says "COOL-FIT has stepped up the standard for all Winequip's winery/brewery cooling pipe installations. Since the implementation of COOL-FIT in the WQ portfolio, we have noticed significant savings in installation times. This is a major benefit to us and our clients. With the reduced labour costs, we can focus on the other scopes of the project. The workability of the COOL-FIT system is brilliant. It's quite easy to achieve a high standard installation. There is nothing in the market that compares to the quality, functionality and the aesthetics. You just won't use anything else".

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## Local support around the world

Visit our webpage to get in touch with your local specialist:  
[www.gfps.com/our-locations](http://www.gfps.com/our-locations)



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