



BEER FILTRATION

A guide to products and services



Breweries & Brewing

BHF Technologies in Breweries

BHF Technologies is an industry leading company of filtration specialists with extensive experience in a range of applications such as breweries, wineries, dairy, pharmaceutical manufacturing and more.

Our team of dedicated experts are located throughout Australasia, offering onsite technical support, filtration audits, and process optimisation recommendations.

Backed by a team of warehouse and logistics specialists, and dedicated stockholding programmes, we aim to ensure our filtration products and solutions are available when and where they're needed to keep your process running.

Key Focus Areas

- Mains Water Treatment
- Gas Generation & Chillers
- Product Filtration (Beer, Seltzer, Beverages)
- Carbon sheet & lenticular module filters
- Critical Control Points
- Sterile gas and vent filtration
- Automated Filtration Systems
- Resource Recovery

BHF Technologies provides a wide range of market leading technologies, manufactured by BHF and our multiple global manufacturing technology partners.

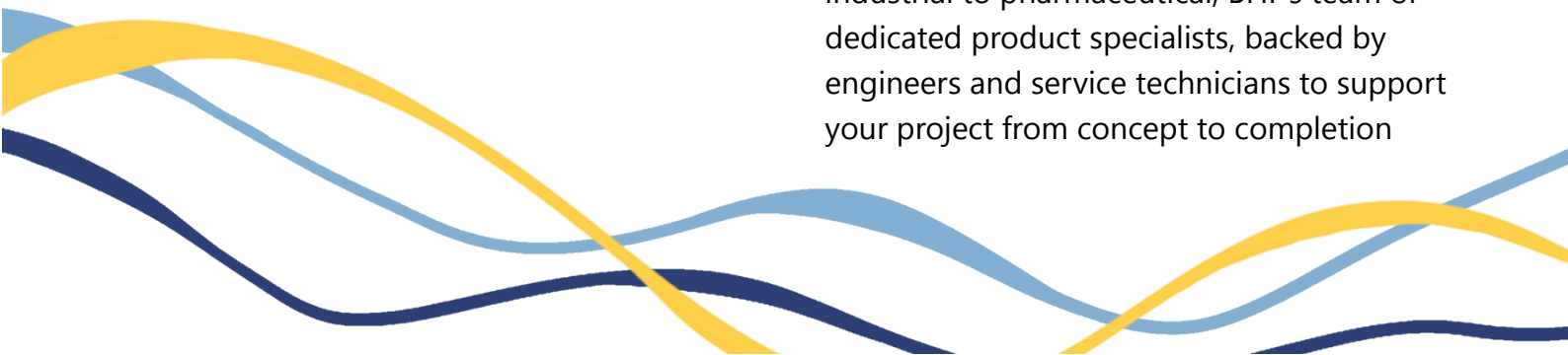
All of our filter products are food contact approved, and fit for purpose.

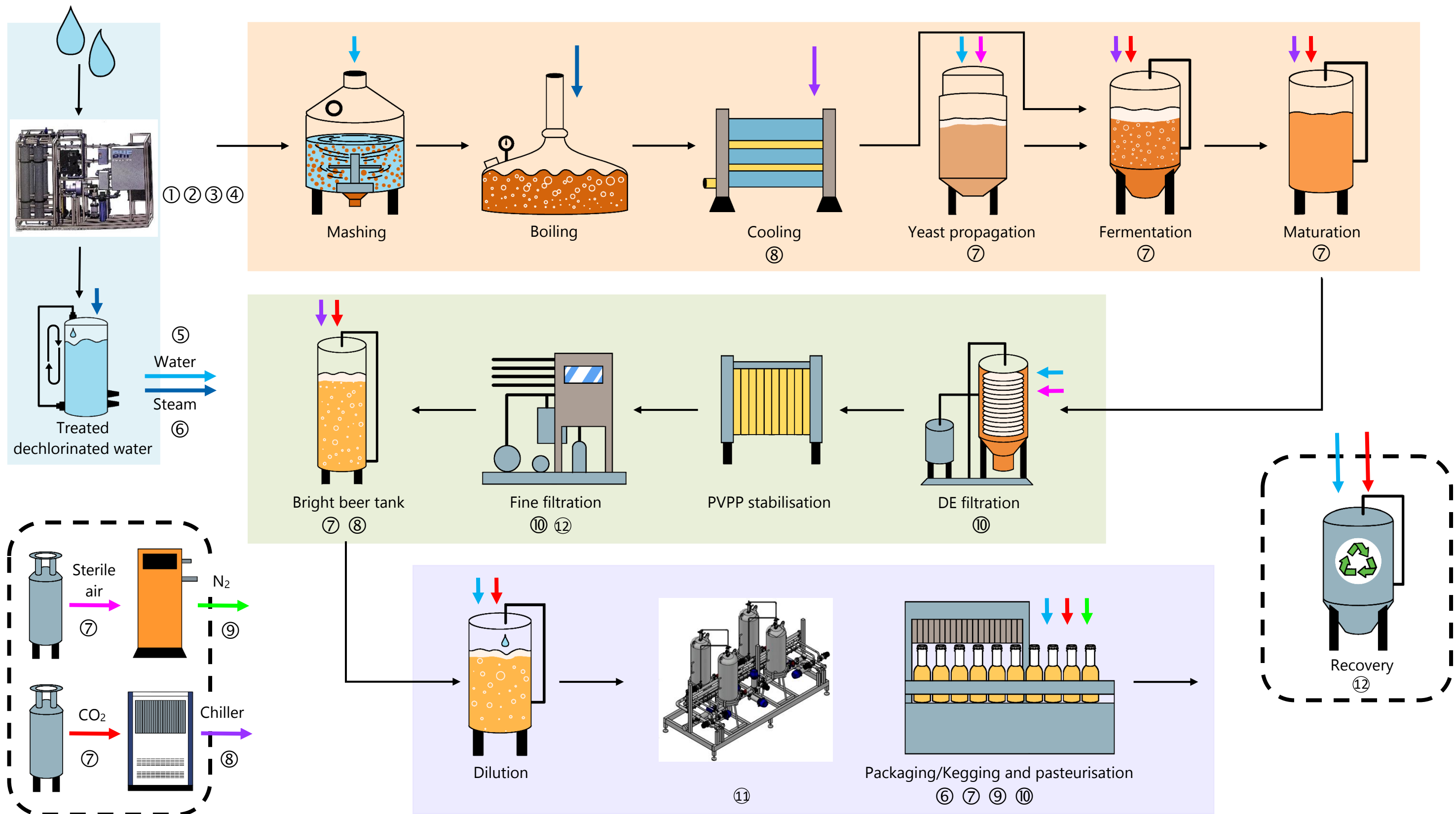
Projects

Ask us about some of our beverage manufacturing process projects, including:

- Ultra Filtration on mains water
- Carbon Cartridge dechlorination for cost effective, heat sanitisable carbon filtration like no other
- Reverse Osmosis on product water
- Reverse Osmosis for waste water recovery options
- UV disinfection for protection against bacteria
- Automated Filtration Systems for process efficiency optimisation and remote monitoring
- Manual filter skid fabrication
- Nitrogen Generation – high quality, and on demand
- Glycol Chiller loops

As leading suppliers to all industries, from industrial to pharmaceutical, BHF's team of dedicated product specialists, backed by engineers and service technicians to support your project from concept to completion





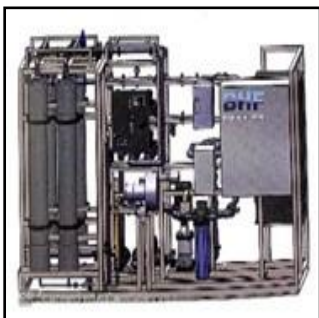
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| ② UltraFiltration (UF/MF) | ⑥ Culinary or Industrial Steam Filtration | ⑩ Particulate/Polishing & Sterile Filtration |
| ③ Reverse Osmosis (RO) | ⑦ Sterile Membrane Gas / Vent Filtration | ⑪ Automated Filtration Systems (AFS) |
| ④ UltraViolet Disinfection (UV) | ⑧ Glycol Chiller System | ⑫ Resource Recovery |



1. Conventional Filtration

Mains water treatment is critical in making good beer. Offering a wide range of coarse and fine filters for particulate removal.



2. UltraFiltration

BHF's UF offers the cutting edge of water treatment, removing particulate down to 0.04 micron, including bacteria and virus. For the best protection of downstream processes and equipment.



3. RO

For those breweries looking to achieve specific conductivity and water texture, BHF offers RO systems to easily integrate into your brewery giving consistency and reliability.



4. UV Disinfection

Protect your process from waterborne bacteria and pathogens. Our range of UV systems are selected to suit your flow, process conditions and QC requirements.



5. Carbon Dechlorination

A full range of proprietary sintered carbon block filtration options to suit existing or new filter housings. Sized to suit your flow and operating requirements.



6. Steam Filtration

Available in both industrial grade (for protection of your equipment), or Culinary Grade (for food contact), BHF can size hardware, filters and offer cleaning.



7. Sterile Gas

Whether treating point-of-use gas, or ensuring tank vents are protecting your precious beer from airborne bacteria, BHF can offer hardware, filters or capsules to suit your process.



8. HyperChill

BHF is proud to offer the Parker HyperChill range of glycol chilling equipment. Dependable hardware, backed by local technical support.



9. NitroSource

Bottled Nitrogen can offer many challenges. Why not consider producing your own high quality nitrogen from your existing compressed air system. Available on demand to meet your requirements.



10. Polishing Filtration

From sheets, lenticular modules, cartridges or membrane filters, BHF can offer all of your beer polishing and sterile filtration needs.

11. Automated Filtration System (AFS)

BHF's AFS is a game changer for filtration efficiency and efficacy. Offering PLC/HMI driven filtration steps, cleaning cycles, and integrity testing (for membrane filtration), this award winning technology is developed and proven to optimise your filtration process.

BHF's team of process design and engineering specialists will collaborate with your team, understanding the intricate details of your process which only you can tell. Our detailed design, fabrication and build process keeps our customer as involved as you would like to be.

Our commissioning specialists work closely during installation, commissioning and are available ongoing to ensure seamless integration and process optimisation.

The benefits to your process include process protection, OH&S benefits due to less operator interaction, reduction in operator downtime, reduction in waste, extended filter life, and operational cost savings.



12. Resource Recovery

Sustainable solutions are becoming ever-increasingly important, from both social/community and environmental responsibility aspects.

BHF has a number of innovative technologies available to recover many of your key resources, improving your Water : Product Ratio, reducing costs, and minimising our impact on the environment around us.

Our award winning technology solutions can be catered to your requirements, with your specific sustainability goals in mind. Designed to cater for your existing, or future capacities, our solutions have been adopted by global brewing brands to reach their key environmental targets.

With a team of highly experienced process experts, and a passion for sustainability, we take waste water recovery seriously and can quickly assess short or medium term steps which can be implemented to assist in your overall recovery.

Innovation · Collaboration · Filtration



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