

A recirculating process chiller suitable for both pilot plants and laboratories.

This unit has a small footprint giving high capacity to cater for all the ice/chilled water requirements in your laboratory.

Food grade primary and secondary refrigerants compatible with modern and future food and beverage research centres are used.

COMPACT, HIGH CAPACITY, LABORATORY CHILLER**Pressure and temperature display****Beverage & food research****Features / benefits**

- ▶ Rapid cooling of products even at higher flow rates
- ▶ Very simple control panel with ergonomic operator interface
- ▶ High accuracy temperature control
- ▶ Continuous recirculation ensures reduced response times when changing the set point
- ▶ Three distribution circuits mean one can be isolated leaving the other two running at the desired capacity without interruption
- ▶ High accuracy in control of temperature due to reservoir of pre-cooled media
- ▶ Small footprint
- ▶ Three distribution circuits
- ▶ Wide process range and ambient operability range
- ▶ High efficiency cooling circuit

Description

The FT64 is a recirculating process chiller that primarily supplies diluted glycol to rapidly chill products flowing through heat exchangers.

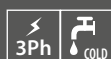
Frequently used as a second/final stage cooling medium, this chiller can also be used to fulfil the whole cooling duty when multiple stages are utilised.

The FT64 can be used for multiple processing systems at once and controlling the flowrate of each circuit.

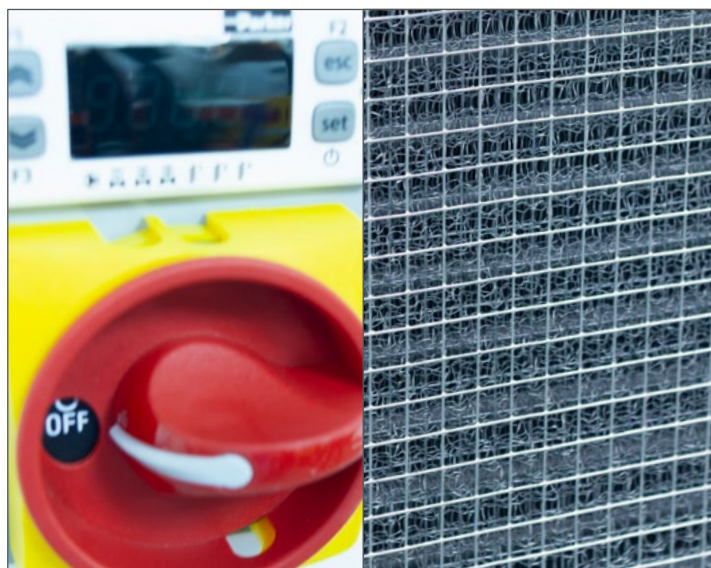
The cooling media can be deionised water or diluted monopropylene glycol (or similar) to achieve the best cooling performance you desire.

Requirements

Scale



- ▶ **Electricity supply:** 3 Phase 400 Volts / 50Hz (other options available)
Contact - sales@armfield.co.uk for more information
- ▶ **Water or glycol** (for initial commissioning, deionised)



FT64 Laboratory Process Chiller temperature control and three-way distribution manifold option available and are high quality fittings



Ordering Specification:

- ▶ Three isolatable distribution circuits
- ▶ 10.8 kW cooling duty
- ▶ Floor standing
- ▶ Single Axial Fan
- ▶ Noise rating 53dB

Technical specifications

Cooling capacity

The cooling capacity of a chiller is dependent on its operating conditions, particularly the liquid temperature and concentration.

The FT64 has a typical cooling capacity of 10.8kW with an outlet temperature of 0°C, using a 20% glycol solution (typical FT94X application). For other applications please consult Armfield.

| | |
|---------------------------|-----------------------------------|
| Refrigerant | R407C Freon |
| Max ambient temp | 32°C |
| Process pump | |
| Head | 6 bar max |
| Flow rate | 4.8 m ³ /hr at 3.7 bar |
| Ingress protection rating | 54 |

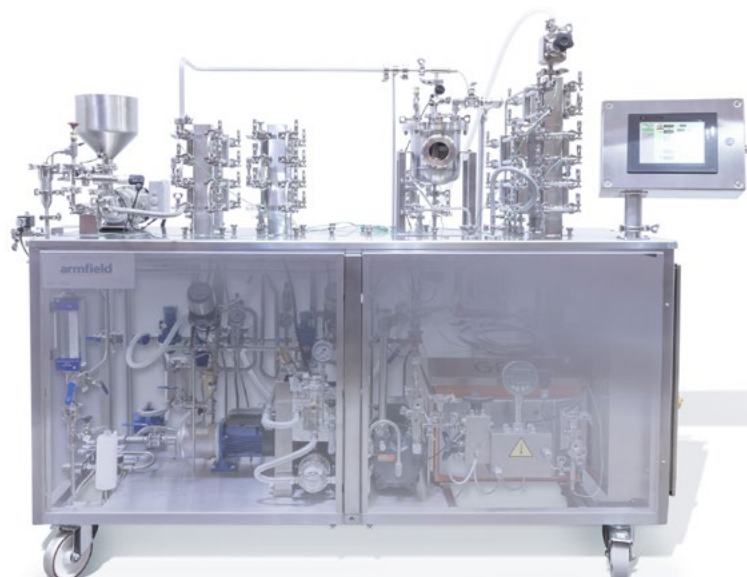
Overall dimensions

| | |
|--------|--------|
| Length | 0.756m |
| Width | 1.405m |
| Height | 0.806m |

Packed and crated shipping specifications

| | |
|--------------|--------------------|
| Volume | 2.15m ³ |
| Gross weight | 310Kg |

Typical process line would include the Armfield FT174X – HTST/UHT Process System



Ordering codes

- ▶ FT64-E
- ▶ FT64-F

Knowledge base

- > 28 years expertise in research & development technology
- > 50 years providing engaging engineering teaching equipment

Benefit from our experience, just call or email to discuss your laboratory needs, latest project or application.

An ISO 9001:2015 Company



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Aftercare

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