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ISO 9001:2008  
2YR EXTENDED WARRANTY



The FT63 is a recirculating process chiller, providing a continuous supply of chilled liquid to serve as the cooling fluid when used with an Armfield miniature-scale processing unit. It is particularly suitable for use with an Armfield FT74XTS UHT system.

## FEATURES

- Continuously recirculating glycol solutions for cold chilled liquid temperatures
- Temperature controller on chilled liquid outlet enables stable processing
- High cooling capacity
- Integral high capacity liquid pump
- Mobile unit
- Washable control panel
- Stainless steel casing

## BENEFITS

- Low refrigerant charge
- Low running costs
- Easily cleaned and maintained

ISSUE - 3



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## Develop with us

Armfield R&D products include:

316 Stainless steel



CE certification



Extended warranty  
as standard



An ISO 9001 Company

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## Description

The FT63 contains a reservoir of cooled fluid, which is pumped through the external process to be cooled (e.g. heat exchanger system).

The cooling fluid can be water, or a mixture of glycol and water dependant on the output temperature required. This fluid is cooled by the integral refrigeration system.

A high pressure pump is used to pump the fluid through the process. A bypass valve facility enables the fluid to be recirculated independently of the process conditions.

### Compressor

Reciprocating hermetically sealed compressor with a refrigerant cooled motor.

### Evaporator

Packaged coil type, made of copper tubes and aluminium fins.

### Condenser

Single air-cooled condenser manufactured from aluminium fins mechanically bonded to refrigeration grade copper tubes. The condenser fan is of a low noise axial type. Fan blades are fully enclosed by a safety grill.

## Specification

### Cooling capacity

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

The FT63 has a typical cooling capacity of 2.5Kw with an outlet temperature of +3°C and using a 20% glycol solution (typical FT74 application). For other applications please consult Armfield.

Refrigerant: R407C freon

Max. ambient temp: 32°C

### Process pump:

Head: 6bar max.

Flow rate: 4.8m<sup>3</sup>/hr at 3.7bar

Reservoir capacity: 25 Litre

### Electrical supply (Ordering specification)

#### FT63SS-A:

Laboratory Process Chiller  
230V/1 phase/50Hz/15A

#### FT63SS-G:

Laboratory Process Chiller  
220V/1 phase/60Hz/16A

### Overall dimensions

Depth: 0.70m

Width: 0.80m

Height: 0.53m

### Shipping specification

Volume: 0.7m<sup>3</sup>

Gross weight: 160kg

The Armfield range includes HTST/UHT/aseptic systems, carbonator/filler/cappers, spray dryers/chillers, multifunction batch processors, ice cream freezers, margarine crystallisers, extractors, edible oils processors and more. For further information about our products and services, or to book a trial at one of our trials facilities, please contact us.