

**FT  
SERIES**

**Autoclave – FT19**

The Armfield Autoclave FT19 is a laboratory-scale portable autoclave suitable for in-container sterilisation of food products and microbiological media.

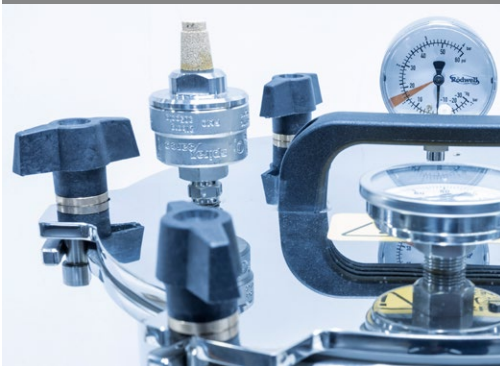
**LABORATORY SIZED AND HIGHLY PORTABLE  
TEMPERATURES OF 100-121°C**



FT19 - Controller



Four Armed Cross



Product vessel



Heating element



**Benefits**

- ▶ Highly portable autoclave requiring no plumbing to operate
- ▶ Time/temperature cycles can be defined to suit specific applications
- ▶ Sanitary 316 stainless steel construction and easily wiped down
- ▶ Lid is removable for full-width access

## Description

The autoclave is heated by an electrical element. The temperature inside the vessel is measured using a PT100 probe. The time and temperature for the autoclave cycle are set by the operator.

There are four preprogrammed time temperature cycles:

- 30 minutes at 115°C
- 60 minutes at 115°C
- 15 minutes at 121°C
- 30 minutes at 121°C

There is also one variable cycle that can be set by the operator and is stored in memory. Operating temperature range is 100-121°C and cycle time is 1-99 minutes.

Once the sterilisation cycle has been defined and the start button pressed, the unit automatically runs through the cycle. An audible beep informs the operator when the cycle is complete and a second beep indicates a safe temperature has been reached to open the vessel.

The vessel is held closed by six locking points, which prevent the vessel from being opened when it is under pressure.

The FT19-10 option provides a stainless steel wire mesh basket with lifting handle (240mm Ø x 220mm deep).

## Features

- ▶ Temperature range of 100-121°C
- ▶ Adjustable temperature and time set points with four pre-set cycles
- ▶ 316 stainless steel construction

## Ordering Specification

- ▶ Laboratory-scale portable autoclave
- ▶ Vessel volume 15l
- ▶ Maximum operating temperature 121°C
- ▶ Cycle times 1-99 minutes

## Technical specifications

Pressure adjustment	Adjustable safety valve
Lid fastening	6 locking points
Safety	Resettable thermal cut-out

## Overall dimensions

Length	0.39m
Width	0.37m
Height	0.49m

## Packed and created shipping specifications

Volume	0.1m <sup>3</sup>
Gross Weight	24Kg

## Requirements

## Scale



### ▶ Electricity supply:

FT19-A:	220-240V/1ph/50Hz
FT19-B:	120V/1ph/60Hz
FT19-G:	220-240V/1ph/60Hz



## Ordering codes

- ▶ FT19-A
- ▶ FT19-B
- ▶ FT19-G
- ▶ FT19-10

Armfield standard warranty applies with this product

## Knowledge base

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

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An ISO 9001:2015 Company



armfield.co.uk

## Aftercare

Installation  
Commissioning  
Training  
Service and maintenance  
Support: [armfieldassist.com](http://armfieldassist.com)