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Miniature-scale research & development technology

MIXING VESSELS FT140

Available with or without heating / high shear emulsifier



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ISO 9001:2008

2YR EXTENDED WARRANTY



FEATURES

- 316L stainless steel finish for all product contact surfaces
- Reinforced top edge with calendaring profile
- IP65 rated control panels
- Modes - setting and switching process parameters using keypad and the facility to set and recall process programmes
- Electronic control speed for mixing motor (20-60 rpm)
- 50 or 100l tanks available
- Rotor with two direction paddle
- 316 stainless steel drain valve
- Turbo emulsifier with electronic control speed (200-900 rpm) in CCT option
- Safety switch
- Alarm and controls indicators
- Interchangeable Teflon scrapers

FEATURES ON JACKETED TANKS

- 316L stainless steel thermostatic chamber
- Electrical heating
- Cooling water inlet and closing valve
- Water jacket level overflow
- Insulation with stainless steel cladding
- Electronic temperature indicator and controller

ISSUE - 1



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Armfield R&D products include:

316 Stainless steel



CE certification



Extended warranty
as standard



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An ISO 9001 Company

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Description

Armfield FT140 Multipurpose Mixing Vessels are designed and constructed using high quality hygienic industry standard materials. These tanks are available in three models in varying configurations (see table) and are available in 50l and 100l volumes. All three models have an internal surface made of AISI 316 stainless steel.

These tanks have been designed for industrial applications and are ideal for product storage and formulation in factory and pilot plant environments.

All tanks are supplied with an anti-dust cover, which is connected to an electronic safety switch. This ensures mixing only takes place when the lid is closed unless you choose to override. They also come with an anti-oxidant lid and a visualisation column for level indication.

The agitators are manufactured with alternately rotating racks, making these vessels ideal for preparing and mixing dense products like creams, soups and broths. Electronically controlled variable speed turbo-emulsifiers with holes or slots can also be used for agitation.

Cooling in the jacketed vessel is achieved using an external water supply or by means of a closed circuit cooling system.

The control panels are IP65 rated. They come complete with a manual override safety switch, temperature controller, indicator lamps, speed regulator, a fully protected Plexiglas casing and an emergency stop button.

Dimensions

Tank Type	Volume (l)	Overall Height (m)	External Diameter (m)
CFC	50	1.28	0.40
	100	1.33	0.50
CFCR	50	1.28	0.51
	100	1.33	0.60
CCT	50	1.28	0.51
	100	1.33	0.60

Available models

Vessel Type	Description
CFC	Non jacketed vessel with variable speed agitator
CFCR	Jacketed vessel with variable speed agitator, heaters and temperature controller
CCT	Jacketed vessel with variable speed agitator, high shear emulsifier, heaters and temperature controller

Requirements

Electrical Supply: Single phase or 3-phase depending on the unit

Water supply for jacketed vessels

Drainage

Shipping specification

Volume: 1.7 m³

Gross weight: 250kg

Overall dimensions

Height: 1.40m

Width: 1.00m

Depth: 1.80m

Ordering codes

FT140-50-CFC-A	220-240V/1ph/50Hz
FT140-50-CFC-G	220-240V/1ph/60Hz
FT140-100-CFC-A	220-240V/1ph/50Hz
FT140-100-CFC-G	220-240V/1ph/60Hz
FT140-50-CFCR-A	220-240V/1ph/50Hz
FT140-50-CFCR-G	220-240V/1ph/60Hz
FT140-100-CFCR-E	380V/3ph/50Hz
FT140-100-CFCR-G	220-240V/3ph/60Hz
FT140-50-CCT-A	220-240V/1ph/50Hz
FT140-50-CCT-G	220-240V/1ph/60Hz
FT140-100-CCT-E	380V/3ph/50Hz
FT140-100-CCT-G	220-240V/3ph/60Hz

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.