

Chocolate Preparation

Fat melting tank

Fat melting tank models: FMT50, FMT100, FMT200, FMT300, FMT500, FMT500INS, FMT1000INS, FMT1000INS-L. Each model is shown with its image and technical specifications.

Price: 4,000 - 22,000 EUR



Technical details

Category	Chocolate Preparation
Model range	8
Tank type	Rectangular reservoir; tabletop fat melter
Melting system	No melting grid — heat from water jacket only
Accepted input	Drops, chips, pre-cut, or whole-block input; one block fits
Typical melt time	Approximately 90 minutes for drops, chips, or pre-cut input; longer for whole uncut blocks
Material	AISI 304 stainless steel
Heating type	Water jacket with PID-controlled heating element
Insulation	Glass wool around the rectangular reservoir. Limits heat exchange with the room and lowers heater duty cycle.
Mobility	On casters

Pump integration	Not available — manual or gravity transfer only
Loading capacity	50 L
Electrical supply	220 V single-phase, 700 W
Model	FMT50

Models and specifications

Shea melter

FMT50



Tabletop no-grid fat melting tank for drops, chips, or pre-cut cocoa butter and vegetable fats. The water jacket heats from the outside: small pieces melt efficiently, whole uncut blocks slowly. One block fits. No pump integration — manual or gravity transfer only. Move to FMT100 above 50 L, or to a grid model when the line is pump-fed or whole-block cycle time is production-critical. Nominal capacity: 50 L. 220 V single-phase, 700 W.

Price: 4,000 EUR

Tank type	Rectangular reservoir; tabletop fat melter
Melting system	No melting grid — heat from water jacket only
Accepted input	Drops, chips, pre-cut, or whole-block input; one block fits
Typical melt time	Approximately 90 minutes for drops, chips, or pre-cut input; longer for whole uncut blocks
Material	AISI 304 stainless steel
Heating type	Water jacket with PID-controlled heating element
Insulation	Glass wool around the rectangular reservoir. Limits heat exchange with the room and lowers heater duty cycle.
Mobility	On casters
Pump integration	Not available — manual or gravity transfer only
Loading capacity	50 L
Electrical supply	220 V single-phase, 700 W

Model	FMT50
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Shea melter

FMT100



No-grid fat melting tank for drops, chips, or pre-cut cocoa butter and vegetable fats. Jacket heating from the outside suits small pieces; whole uncut blocks add cycle time. Two blocks fit. No pump integration — manual or gravity transfer only. Move to FMT200 above 100 L, or to a grid model when the line is pump-fed or whole-block cycle time is production-critical. Nominal capacity: 100 L. 220 V single-phase, 1000 W.

Price: 4,500 EUR

Tank type	Rectangular reservoir fat melter
Melting system	No melting grid — heat from water jacket only
Accepted input	Drops, chips, pre-cut, or whole-block input; two blocks fit
Typical melt time	Approximately 90 minutes for drops, chips, or pre-cut input; longer for whole uncut blocks
Material	AISI 304 stainless steel
Heating type	Water jacket with PID-controlled heating element
Insulation	Glass wool around the rectangular reservoir. Limits heat exchange with the room and lowers heater duty cycle.
Mobility	On casters
Pump integration	Not available — manual or gravity transfer only
Loading capacity	100 L
Electrical supply	220 V single-phase, 1000 W
Model	FMT100

Shea melter

FMT200



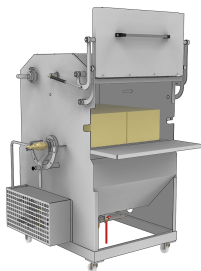
Largest single-phase no-grid fat melting tank, for drops, chips, or pre-cut cocoa butter and solid vegetable fats. Whole-block cycle time becomes slow at production scale — the limit of the no-grid group. Four blocks fit. No pump integration — manual or gravity transfer only. Above 200 L, or where the line is pumped or whole-block cycle time is production-critical, move to FMT300 on 380 V three-phase. Nominal capacity: 200 L. 220 V single-phase, 1500 W.

Price: 5,500 EUR

Tank type	Rectangular reservoir fat melter
Melting system	No melting grid — heat from water jacket only
Accepted input	Drops, chips, pre-cut, or whole-block input; four blocks fit
Typical melt time	Approximately 90 minutes for drops, chips, or pre-cut input; longer for whole uncut blocks
Material	AISI 304 stainless steel
Heating type	Water jacket with PID-controlled heating element
Insulation	Glass wool around the rectangular reservoir. Limits heat exchange with the room and lowers heater duty cycle.
Mobility	On casters
Pump integration	Not available — manual or gravity transfer only
Loading capacity	200 L
Electrical supply	220 V single-phase, 1500 W
Model	FMT200

Shea melter

FMT300



Entry grid fat melting tank for whole blocks placed directly on a hot-water circulation grid; heat enters at

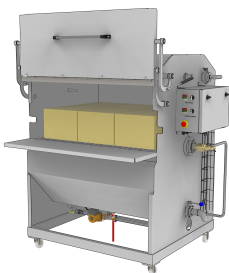
the block surface from below, removing the no-grid cycle-time penalty. Four blocks fit. Not insulated; heater duty cycle is higher than the INS models in continuous operation. Fixed grid with optional pneumatic agitation, or rotatable grid for cleaning access — mutually exclusive. Optional pump; the flowmeter requires the pump. Move to FMT500 above 300 L, or to an INS model when lower energy use per operating hour is required. Nominal capacity: 300 L. 380 V three-phase, 6 kW.

Price: 14,000 EUR

Tank type	Rectangular reservoir fat melter
Melting system	Hot-water circulation melting grid
Accepted input	Whole fat blocks placed directly on the grid; four blocks fit
Typical melt time	Approximately 50 minutes
Material	AISI 304 stainless steel
Heating type	Water jacket with PID-controlled heating element
Insulation	Not insulated — for insulated configuration choose FMT500INS or FMT1000INS
Lid	Vertically opening top lid with gas springs
Grid configuration	Rotatable grid (optional, not compatible with agitation) OR fixed grid with optional pneumatic oscillating agitation (not compatible with rotatable grid)
Pump integration	Optional fat transfer pump
Transfer control	Optional load cells (weight-based) or flowmeter (volume-based, requires pump)
Loading capacity	300 L
Electrical supply	380 V three-phase, 6 kW (no single-phase configuration)
Model	FMT300

Shea melter

FMT500



Grid fat melting tank for whole blocks placed directly on a hot-water circulation grid; surface heating from below removes the per-cycle time penalty of a no-grid jacket at production scale. Six blocks fit. Not insulated; heater duty cycle is higher than FMT500INS in continuous operation. Fixed grid with optional

pneumatic agitation, or rotatable grid for cleaning access — not combinable. Optional pump; the flowmeter requires the pump. Choose FMT300 at 300 L or below; choose FMT500INS for lower energy use per operating hour at the same capacity. Nominal capacity: 500 L. 380 V three-phase, 6 kW.

Price: 16,000 EUR

Tank type	Rectangular reservoir fat melter
Melting system	Hot-water circulation melting grid
Accepted input	Whole fat blocks placed directly on the grid; six blocks fit
Typical melt time	Approximately 50 minutes
Material	AISI 304 stainless steel
Heating type	Water jacket with PID-controlled heating element
Insulation	Not insulated — for insulated configuration choose FMT500INS
Lid	Vertically opening top lid with gas springs
Grid configuration	Rotatable grid (optional, not compatible with agitation) OR fixed grid with optional pneumatic oscillating agitation (not compatible with rotatable grid)
Pump integration	Optional fat transfer pump
Transfer control	Optional load cells (weight-based) or flowmeter (volume-based, requires pump)
Loading capacity	500 L
Electrical supply	380 V three-phase, 6 kW (no single-phase configuration)
Model	FMT500

Shea melter

FMT500INS



Insulated grid fat melting tank for whole blocks on a hot-water circulation grid. Glass wool insulation around the water jacket limits heat exchange with the room in both directions: lower heater duty cycle in continuous operation, lower energy use per hour, and less waste heat into the production area than FMT500. Six blocks fit. Optional pneumatic agitation prevents phase separation in mixtures with suspended solids such as diluted cocoa liquor; it requires the fixed grid and is not compatible with the rotatable grid option. Optional pump; the flowmeter requires the pump. Move to FMT1000INS above 500 L.

Nominal capacity: 500 L. 380 V three-phase, 7.3 kW.

Price: 17,500 EUR

Tank type	Insulated rectangular reservoir fat melter
Melting system	Hot-water circulation melting grid
Accepted input	Whole fat blocks placed directly on the grid; six blocks fit
Typical melt time	Approximately 50 minutes
Material	AISI 304 stainless steel
Insulation	Glass wool insulation around the water jacket. Heater duty cycle drops during continuous operation, reducing energy consumption and waste heat.
Heating type	Water jacket with PID-controlled heating element
Lid	Top lid with gas springs
Agitation option	Optional pneumatic agitation for mixtures containing suspended solids
Pump integration	Optional fat transfer pump
Transfer control	Optional load cells (weight-based) or flowmeter (volume-based, requires pump)
Loading capacity	500 L
Electrical supply	380 V three-phase, 7.3 kW (no single-phase configuration)
Model	FMT500INS

Shea melter

FMT1000INS



Largest fat melting tank in the range, for whole blocks on a hot-water circulation grid. Glass wool insulation around the water jacket limits heat exchange with the room in both directions: lower heater duty cycle in continuous operation, lower energy use per hour, and less waste heat into the production area. Twelve blocks fit. Optional pneumatic agitation prevents phase separation in mixtures with suspended solids such as diluted cocoa liquor; it requires the fixed grid and is not compatible with the rotatable grid option. Optional pump; the flowmeter requires the pump. Choose FMT500INS at 500 L or below. Nominal capacity: 1000 L. 380 V three-phase, 7.3 kW.

Price: 22,000 EUR

Tank type	Insulated rectangular reservoir fat melter
Melting system	Hot-water circulation melting grid
Accepted input	Whole fat blocks placed directly on the grid; twelve blocks fit
Typical melt time	Approximately 50 minutes
Material	AISI 304 stainless steel
Insulation	Glass wool insulation around the water jacket. Heater duty cycle drops during continuous operation, reducing energy consumption and waste heat.
Heating type	Water jacket with PID-controlled heating element
Lid	Top lid with gas springs
Agitation option	Optional pneumatic agitation for mixtures containing suspended solids
Pump integration	Optional fat transfer pump
Transfer control	Optional load cells (weight-based) or flowmeter (volume-based, requires pump). Load cells transfer a target weight per cycle.
Loading capacity	1000 L
Electrical supply	380 V three-phase, 7.3 kW (no single-phase configuration)
Model	FMT1000INS

Shea melter

FMT1000INS-L



Shea melter (FMT1000INS-L) in the Fat melting tank range. Review the model table for capacity, utilities and configuration details.

Price: 22,000 EUR

Tank type	Insulated rectangular reservoir fat melter
Melting system	Hot-water circulation melting grid
Accepted input	Whole fat blocks placed directly on the grid; twelve blocks fit

Typical melt time	Approximately 50 minutes
Material	AISI 304 stainless steel
Insulation	Glass wool insulation around the water jacket. Heater duty cycle drops during continuous operation, reducing energy consumption and waste heat.
Heating type	Water jacket with PID-controlled heating element
Lid	Top lid with gas springs
Agitation option	Optional pneumatic agitation for mixtures containing suspended solids
Pump integration	Optional fat transfer pump
Transfer control	Optional load cells (weight-based) or flowmeter (volume-based, requires pump). Load cells transfer a target weight per cycle.
Loading capacity	1000 L
Electrical supply	380 V three-phase, 7.3 kW (no single-phase configuration)
Model	FMT1000INS-L