



The distillers for solvents/water model "LMA" have been designed to meet the needs of all companies that need to distill/recover solvents/water in large quantities with automatic processes and with capacities ranging from 200 liters to 600 liters per batch.

MAIN FEATURES THAT DIFFERENTIATE THESE AUTOMATIC SYSTEMS

- On-board electrical panel with color display with management of all settings via a single knob for both the ATEX 2G and ATEX 3G versions.
- Possibility to program several cycles continuously, in total autonomy, without the need for the presence of an operator.
- Set up for remote control and diagnostics on customer devices (4.0 setting).
- Hot residue discharge without waiting time, in total safety, designed for a commercial 200 liter drum.
- Automatic loading of the fluids to be treated.
- Condensing unit in Aisi 316 stainless steel.
- **Safety** for the suppression of any exothermic reactions by introducing net water.
- **Safety** check of the loading time at each cycle to trace the presence of any residues inside the boiler, not completely drained.
- End-of-cycle protective load **safety**, loading the boiler at the end of the set cycles allows you to leave the system stopped in absolute safety.
- **Safety** devices for controlling the overheating of the diathermic oil and the distillate at the outlet.
- **Safety** mechanical devices for Overpressure of vapors and Diathermic oil.
- **Safety** level sensor to control the overflow of the boiler.
- **Safety** level sensor to control the overflow of the drum sludge.
- Contained height to facilitate maintenance of the system and its transport.

MODELS WE OFFER

- Load capacity: 200 - 400 - 600 liters
- Electrical versions: ATEX EX II 3G (ZONE 2) - ATEX EX II 2G (ZONE 1)

LMA 200

STANDARD FEATURES

<i>Electric version</i>	ATEX EX II 3 G (zone 2)	ATEX EX II 2 G (zone 1)
<i>Distillation method</i>	Heating elements immersed in Diathermic oil	Heating elements immersed in Diathermic oil
<i>Effective loading capacity of the boiler in Aisi 304 stainless steel</i>	200 liters	200 liters
<i>Condenser with cooling coils</i>	Inox 316	Inox 316
<i>Gasket lid</i>	EPDM	EPDM
<i>Diathermic oil</i>	70 liters	70 liters
<i>Heating power through resistance</i>	12kw	12kw
<i>Cooling type</i>	Air	Air
<i>Boiler</i>	Boiler with conical bottom to facilitate the discharge of residue	Boiler with conical bottom to facilitate the discharge of residue
<i>Sludge discharge</i>	Hot sludge discharge without any waiting time in total security	Hot sludge discharge without any waiting time in total security
<i>On-board electrical panel</i>	ATEX 3G with color display	ATEX 2G with a color display
<i>Program</i>	Equipped with over 20 distillation recipes	Equipped with over 20 distillation recipes
<i>Safety of overheating</i>	Oil - Distillate	Oil - Distillate
<i>Mechanical safety</i>	Overpressure valves and Diathermic oil	Overpressure valves and Diathermic oil
<i>Additional control safety</i>	Boiler overflow and Drum sludge	Boiler overflow and Drum sludge

OPTIONAL

<i>Control/Remote assistance by LMG GREEN Srl</i>	System control and Remote assistance by the manufacturer via LAN line.	System control and Remote assistance by the manufacturer via LAN line.
<i>Standard internal agitator</i>	With adjustable brass blades for boiler cleaning	With adjustable brass blades for boiler cleaning
<i>Teflon-coated internal agitator</i>	With adjustable Teflon blades for boiler cleaning	With adjustable Teflon blades for boiler cleaning
<i>Additional condenser (for areas of use at high ambient temperatures)</i>	Water cooling	Water cooling
<i>Vacuum distillation system</i>	<i>Liquid-ring pump to connect to remote chiller or 5 ° chilled water supply</i>	<i>Liquid-ring pump to connect to remote chiller or 5 ° chilled water supply</i>
<i>Chiller</i>	Dedicated to cooling the vacuum pump	Dedicated to cooling the vacuum pump
<i>Teflon-coated Boiler</i>	To facilitate the discharge of residues and the cleaning of the boiler	To facilitate the discharge of residues and cleaning of the boiler
<i>Automatic transfer of Sludge</i>	From the 200 liter drum to PET 1000 (Client's supplier) with Overflow control	From the 200 liter drum to PET 1000 (Client's supplier) with Overflow control
<i>Automatic pipe cleaning system</i>	System for cleaning the pipes of the automatic transfer of sludge	System for cleaning the pipes of the automatic transfer of sludge
<i>Automatic Clean and Unclean management system between tanks and distiller</i>	PET tanks from 1,000 liters	PET tanks from 1,000 liters
	Inox tanks from 1,000/2,000 liters	Inox tanks from 1,000/2,000 liters

CONSUMABLES

<i>Diathermic oil</i>	200 liter drums	200 liter drums
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LMA 400

STANDARD FEATURES

<i>Electric version</i>	ATEX EX II 3 G (zone 2)	ATEX EX II 2 G (zone 1)
<i>Distillation method</i>	Heating elements immersed in Diathermic oil	Heating elements immersed in Diathermic oil
<i>Effective loading capacity of the boiler in Aisi 304 stainless steel</i>	400 liters	400 liters
<i>Condenser with cooling coils</i>	Inox 316	Inox 316
<i>Gasket lid</i>	EPDM	EPDM
<i>Diathermic oil</i>	170 liters	170 liters
<i>Heating power through resistance</i>	24kw	24kw
<i>Cooling type</i>	Air	Air
<i>Boiler</i>	Boiler with conical bottom to facilitate the discharge of residue	Boiler with conical bottom to facilitate the discharge of residue
<i>Sludge discharge</i>	Hot sludge discharge without any waiting time in total security	Hot sludge discharge without any waiting time in total security
<i>On-board electrical panel</i>	ATEX 3G with color display	ATEX 2G with color display
<i>Program</i>	Equipped with over 20 distillation recipes	Equipped with over 20 distillation recipes
<i>Safety of overheating</i>	Oil - Distillate	Oil - Distillate
<i>Mechanical safety</i>	Overpressure valves and Diathermic oil	Overpressure valves and Diathermic oil
<i>Additional control safety</i>	Boiler overflow and Drum sludge	Boiler overflow and Drum sludge

OPTIONAL

<i>Control/Remote assistance by LMG GREEN Srl</i>	System control and Remote assistance by the manufacturer via LAN line.	System control and Remote assistance by the manufacturer via LAN line.
<i>Standard internal agitator</i>	With adjustable brass blades for boiler cleaning	With adjustable brass blades for boiler cleaning
<i>Teflon-coated internal agitator</i>	With adjustable Teflon blades for boiler cleaning	With adjustable Teflon blades for boiler cleaning
<i>Additional condenser (for areas of use at high ambient temperatures)</i>	Water cooling	Water cooling
<i>Vacuum distillation system</i>	<i>Liquid-ring pump to connect to remote chiller or 5 ° chilled water supply</i>	<i>Liquid-ring pump to connect to remote chiller or 5 ° chilled water supply</i>
<i>Chiller</i>	Dedicated to cooling the vacuum pump	Dedicated to cooling the vacuum pump
<i>Teflon-coated Boiler</i>	To facilitate the discharge of residues and the cleaning of the boiler	To facilitate the discharge of residues and the cleaning of the boiler
<i>Automatic transfer of Sludge</i>	From the 200 liter drum to PET 1000 (Client's supplier) with Overflow control	From the 200 liter drum to PET 1000 (Client's supplier) with Overflow control
<i>Automatic pipe cleaning system</i>	System for cleaning the pipes of the automatic transfer of sludge	System for cleaning the pipes of the automatic transfer of sludge
<i>Automatic Clean and Unclean management system between tanks and distiller</i>	PET tanks from 1,000 liters	PET tanks from 1,000 liters
	Inox tanks from 1,000/2,000 liters	Inox tanks from 1,000/2,000 liters

CONSUMABLES

<i>Diathermic oil</i>	200 liter drums	200 liter drums
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LMA 600

STANDARD FEATURES

<i>Electric version</i>	ATEX EX II 3 G (zone 2)	ATEX EX II 2 G (zone 1)
<i>Distillation method</i>	elements in diathermic oil bath Heating	elements in diathermic oil bath
<i>Effective loading capacity of the boiler in Aisi 304 stainless steel</i>	600 liters	600 liters
<i>Condenser with cooling coils</i>	Inox 316	Inox 316
<i>Gasket lid</i>	gasket EPDM	EPDM
<i>Diathermic oil</i>	230 liters	230 liters
<i>Heating power through resistance</i>	32kw	32kw
<i>Cooling type</i>	Air	Air
<i>Boiler</i>	Boiler with conical bottom to facilitate the discharge of residue	Boiler with conical bottom to facilitate the discharge of residue
<i>Sludge discharge</i>	Hot sludge discharge without any waiting time in total security	Hot sludge discharge without any waiting time in total security
<i>On-board electrical panel</i>	ATEX 3G with color display	ATEX 2G with color display
<i>Program</i>	Equipped with over 20 distillation recipes	Equipped with over 20 distillation recipes
<i>Safety of overheating</i>	Oil - Distillate	Oil - Distillate
<i>Mechanical safety</i>	Overpressure valves and Diathermic oil	Overpressure valves and Diathermic oil
<i>Additional control safety</i>	Boiler overflow and Drum sludge	Boiler overflow and Drum sludge

OPTIONAL

<i>Remote control / assistance by LMG GREEN Srl</i>	System control and Remote assistance by the manufacturer via LAN line.	System control and Remote assistance by the manufacturer via LAN line.
<i>Standard internal agitator</i>	With adjustable brass blades for boiler cleaning	With adjustable brass blades for boiler cleaning
<i>Teflon-coated internal agitator</i>	With adjustable Teflon blades for boiler cleaning	With adjustable Teflon blades for boiler cleaning
<i>Additional condenser (for areas of use at high ambient temperatures)</i>	Water cooling	Water cooling
<i>Vacuum distillation system</i>	<i>Liquid-ring pump to connect to remote chiller or 5 ° chilled water supply</i>	<i>Liquid-ring pump to connect to remote chiller or 5 ° chilled water supply</i>
<i>Chiller</i>	Dedicated to cooling the vacuum pump	Dedicated to cooling the vacuum pump
<i>Boiler Teflon-coated storage tank</i>	To facilitate the discharge of residues and the cleaning of the boiler	To facilitate the discharge of residues and the cleaning of the boiler
<i>Automatic transfer of Sludge</i>	From the 200 liter drum to PET 1000 (Client's supplier) with Overflow control	From the 200 liter drum to PET 1000 (Client's supplier) with Overflow control
<i>Automatic pipe cleaning system</i>	System for cleaning the pipes of the automatic transfer of sludge	System for cleaning the pipes of the automatic transfer of sludge
<i>Automatic system for dirty and clean management between tanks and distiller</i>	PET tanks from 1,000 liters	PET tanks from 1,000 liters
	Inox tanks from 1,000/2,000 liters	Inox tanks from 1,000/2,000 liters

CONSUMABLES

<i>Diathermic oil</i>	200 liter drums	200 liter drums
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