



The distillers for solvents/water model "LM" have been designed to meet the needs of all companies that need to distill / recover solvents/water polluted during the working process by inks, pigments, oils or fats and which for logistical problems they have limited space.

## MAIN FEATURES THAT DIFFERENTIATE THESE MONOBLOCK MODELS

- The height designed to facilitate the loading of the polluted solvent and the extraction of the bag containing the distillation residues thus avoiding heavy operations by the operator
- Possibility of tilting for cleaning the boiler
- Electrical panel on board machine with color display with management of all settings by means of a single knob both for the ATEX 2G version and for the ATEX 3G version
- Possibility to set double distillation cycle for those solvent mixtures with different boiling points
- End-of-cycle thermostat vapor control, this thermostat controls the outgoing vapors and blocks the cycle if the machine has finished the distillation before the set time
- Safety for controlling the overheating of the diathermic oil, the distillate and the motor fan
- Mechanical safety: overpressure of the vapors and diathermic oil
- Predisposition for the management vacuum

## MODELS WE OFFER

- Load capacity: 12-30-60-120 liters
- Electrical versions: ATEX EX II 3G (ZONE 2) - ATEX EX II 2G (ZONE 1)
- Condenser: Copper - Stainless steel
- Cover gaskets: Epdm - Viton - Teflon

## LM 12

### 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> | 12 liters                                                    | 12 liters                                                    |
| <i>Condenser with cooling coils</i>                                         | Copper                                                       | Copper                                                       |
| <i>Lid diameter 300mm;<br/>Material: stainless steel 304</i>                | Blind                                                        | Blind                                                        |
| <i>Gasket lid</i>                                                           | EPDM                                                         | EPDM                                                         |
| <i>Diathermic oil</i>                                                       | 12 liters                                                    | 12 liters                                                    |
| <i>Heating power through resistance</i>                                     | 1200W                                                        | 1200W                                                        |
| <i>Cooling type</i>                                                         | Air                                                          | Air                                                          |
| <i>Electrical panel on board machine</i>                                    | ATEX 3 G with color display                                  | ATEX 2 G with color display                                  |
| <i>Overttemperature safety devices</i>                                      | Oil - Distillate - Motor fan                                 | Oil - Distillate - Motor fan                                 |
| <i>Mechanical safety</i>                                                    | Over pressure valves and diathermic oil                      | Over pressure valves and diathermic oil                      |
| <i>Additional safety</i>                                                    | Vapor temperature                                            | Vapor temperature                                            |
| <i>Cycle settings</i>                                                       | Double settings per cycle:<br>2 Temperatures and 2 durations | Double settings per cycle:<br>2 Temperatures and 2 durations |
| <i>Liability</i>                                                            | Vacuum management                                            | Vacuum management                                            |
| <i>Machine delivery kit</i>                                                 | 3 heat-resistant bags                                        | 3 heat-resistant bags                                        |
| <i>Dimension</i>                                                            | 706x506x965 h mm                                             | 706x506x1060 h mm                                            |

### OPTIONAL

| <i>condenser</i>                                                                                                 | <i>Stainless steel Aisi 316</i>                                              | <i>Stainless steel Aisi 316</i>                                              |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| <i>Lid diameter 300mm,<br/>Material: stainless steel 304</i>                                                     | Double inspection                                                            | Double inspection                                                            |
| <i>Gasket lid</i>                                                                                                | Viton - Teflon                                                               | Viton - Teflon                                                               |
| <i>Pneumatic Vacuum Generator<br/>(distillation of high boiling solvents with<br/>max boiling point 220 ° C)</i> | Painted iron - stainless steel                                               | Painted iron - stainless steel                                               |
| <i>Electric vacuum generator<br/>(distillation of high boiling solvents with max<br/>boiling point 220 ° C)</i>  | Painted iron - stainless steel                                               | Painted iron - stainless steel                                               |
| <i>Additional condenser<br/>(for zones of use at high ambient<br/>temperatures)</i>                              | Water cooling                                                                | Water cooling                                                                |
| <i>ONLY FOR WATER TREATMENT<br/>(ACTIVATED CARBON FILTER)</i>                                                    | <i>Distilled water filtration group with passage to<br/>activated carbon</i> | <i>Distilled water filtration group with passage<br/>to activated carbon</i> |

### CONSUMABLES

|                                                                                             |                       |                       |
|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| <i>Heat-resistant bags</i>                                                                  | Pack of pcs. 50       | Pack of pcs. 50       |
| <i>Diathermic oil</i>                                                                       | Tank of 5 - 30 liters | Tank of 5 - 30 liters |
| <i>ONLY FOR WATER TREATMENT<br/>Replacement cartridge for granular<br/>activated carbon</i> | <i>Packaging 1 pc</i> | <i>Packaging 1 pc</i> |
| <i>ONLY FOR WATER TREATMENT<br/>25 kg bag of granular activated carbon.</i>                 | <i>25 kg bag</i>      | <i>25 kg bag</i>      |

## LM 30

### 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> | 30 liters                                                    | 30 liters                                                    |
| <i>Condenser with cooling coils</i>                                         | Copper                                                       | Copper                                                       |
| <i>Lid diameter 400mm;<br/>Material: stainless steel 304</i>                | Blind                                                        | Blind                                                        |
| <i>Gasket lid</i>                                                           | EPDM                                                         | EPDM                                                         |
| <i>Diathermic oil</i>                                                       | 14 liters                                                    | 14 liters                                                    |
| <i>Heating power through resistance</i>                                     | 2500W                                                        | 2500W                                                        |
| <i>Cooling type</i>                                                         | Air                                                          | Air                                                          |
| <i>Electrical panel on board machine</i>                                    | ATEX 3 G with color display                                  | ATEX 2 G with color display                                  |
| <i>Overttemperature safety devices</i>                                      | Oil - Distillate - Motor fan                                 | Oil - Distillate - Motor fan                                 |
| <i>Mechanical safety</i>                                                    | Over pressure valves and diathermic oil                      | Over pressure valves and diathermic oil                      |
| <i>Additional safety</i>                                                    | Vapor temperature                                            | Vapor temperature                                            |
| <i>Cycle settings</i>                                                       | Double settings per cycle:<br>2 Temperatures and 2 durations | Double settings per cycle:<br>2 Temperatures and 2 durations |
| <i>Liability</i>                                                            | Vacuum management                                            | Vacuum management                                            |
| <i>Machine delivery kit</i>                                                 | 3 heat-resistant bags                                        | 3 heat-resistant bags                                        |
| <i>Dimension</i>                                                            | 806x606x1160 h mm                                            | 806x606x1300 h mm                                            |

### OPTIONAL

| <i>condenser</i>                                                                                                  | <i>Stainless steel Aisi 316</i>                                              | <i>Stainless steel Aisi 316</i>                                              |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| <i>Lid diameter 400mm,<br/>Material: stainless steel 304</i>                                                      | Double inspection                                                            | Double inspection                                                            |
| <i>Gasket lid</i>                                                                                                 | Viton - Teflon                                                               | Viton - Teflon                                                               |
| <i>Pneumatic Vacuum Generator<br/>( distillation of high boiling solvents with<br/>max boiling point 220 ° C)</i> | Painted iron - stainless steel                                               | Painted iron - stainless steel                                               |
| <i>Electric vacuum generator<br/>(distillation of high boiling solvents with max<br/>boiling point 220 ° C)</i>   | Painted iron - stainless steel                                               | Painted iron - stainless steel                                               |
| <i>Additional condenser<br/>(for zones of use at high ambient<br/>temperatures)</i>                               | Water cooling                                                                | Water cooling                                                                |
| <i>ONLY FOR WATER TREATMENT<br/>(ACTIVATED CARBON FILTER)</i>                                                     | <i>Distilled water filtration group with passage<br/>to activated carbon</i> | <i>Distilled water filtration group with passage<br/>to activated carbon</i> |

### CONSUMABLES

|                                                                                             |                       |                       |
|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| <i>Heat-resistant bags</i>                                                                  | Pack of pcs. 50       | Pack of pcs. 50       |
| <i>Diathermic oil</i>                                                                       | Tank of 5 - 30 liters | Tank of 5 - 30 liters |
| <i>ONLY FOR WATER TREATMENT<br/>Replacement cartridge for granular<br/>activated carbon</i> | <i>Packaging 1 pc</i> | <i>Packaging 1 pc</i> |
| <i>ONLY FOR WATER TREATMENT<br/>25 kg bag of granular activated carbon.</i>                 | <i>25 kg bag</i>      | <i>25 kg bag</i>      |

## LM 60

### 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> | 60 liters                                                    | 60 liters                                                    |
| <i>Condenser with cooling coils</i>                                         | Copper                                                       | Copper                                                       |
| <i>Lid diameter 400mm;<br/>Material: stainless steel 304</i>                | Blind                                                        | Blind                                                        |
| <i>Gasket lid</i>                                                           | gasket EPDM                                                  | EPDM                                                         |
| <i>Diathermic oil</i>                                                       | 21 liters                                                    | 21 liters                                                    |
| <i>Heating power through resistance</i>                                     | 4000W                                                        | 4000W                                                        |
| <i>Cooling type</i>                                                         | Air                                                          | Air                                                          |
| <i>Electrical panel on board machine</i>                                    | ATEX 3 G with color display                                  | ATEX 2 G with color display                                  |
| <i>Overttemperature safety devices</i>                                      | Oil - Distillate - Motor fan                                 | Oil - Distillate - Motor fan                                 |
| <i>Mechanical safety</i>                                                    | Over pressure valves and diathermic oil                      | Over pressure valves and diathermic oil                      |
| <i>Additional safety</i>                                                    | Vapor temperature                                            | Vapor temperature                                            |
| <i>Cycle settings</i>                                                       | Double settings per cycle:<br>2 Temperatures and 2 durations | Double settings per cycle:<br>2 Temperatures and 2 durations |
| <i>Liability</i>                                                            | Vacuum management                                            | Vacuum management                                            |
| <i>Machine delivery kit</i>                                                 | 3 heat-resistant bags                                        | 3 heat-resistant bags                                        |
| <i>Dimension</i>                                                            | 806x606x1330 h mm                                            | 806x606x1460 h mm                                            |

### OPTIONAL

|                                                                                                              |                                                                                                            |                                                                                                            |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <i>condenser</i>                                                                                             | <i>Stainless steel Aisi 316</i>                                                                            | <i>Stainless steel Aisi 316</i>                                                                            |
| <i>Lid diameter 400mm,<br/>Material: stainless steel 304</i>                                                 | Double inspection                                                                                          | Double inspection                                                                                          |
| <i>Gasket lid</i>                                                                                            | Viton - Teflon                                                                                             | Viton - Teflon                                                                                             |
| <i>Automatic loading</i>                                                                                     | Possibility of carrying out a second load of solvent to be distilled without waiting for the cooling time. | Possibility of carrying out a second load of solvent to be distilled without waiting for the cooling time. |
| <i>Base support</i>                                                                                          | support to allow the decanting of the distillate into commercial 200-liter drums                           | support to allow the decanting of the distillate into commercial 200-liter drums                           |
| <i>Pneumatic Vacuum Generator<br/>(distillation of high boiling solvents with max boiling point 220 ° C)</i> | Painted iron - stainless steel                                                                             | Painted iron - stainless steel                                                                             |
| <i>Electric Vacuum Generator<br/>(distillation of high boiling solvents with max boiling point 220 ° C)</i>  | Painted iron - stainless steel                                                                             | Painted iron - stainless steel                                                                             |
| <i>Additional condenser<br/>(for areas of use with high ambient temperatures)</i>                            | Water cooling                                                                                              | Water cooling                                                                                              |
| <i>ONLY FOR WATER TREATMENT<br/>(ACTIVATED CARBON FILTER)</i>                                                | <i>Distilled water filtration group with passage to activated carbon</i>                                   | <i>Distilled water filtration group with passage to activated carbon</i>                                   |

### CONSUMABLES

|                                                                                         |                       |                       |
|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|
| <i>Heat-resistant bags</i>                                                              | Pack of pcs. 50       | Pack of pcs. 50       |
| <i>Diathermic oil</i>                                                                   | Tank of 5 - 30 liters | Tank of 5 - 30 liters |
| <i>ONLY FOR WATER TREATMENT<br/>Replacement cartridge for granular activated carbon</i> | <i>Packaging 1 pc</i> | <i>Packaging 1 pc</i> |
| <i>ONLY FOR WATER TREATMENT<br/>25 kg bag of granular activated carbon.</i>             | <i>25 kg bag</i>      | <i>25 kg bag</i>      |

## LM 120

### 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> | 120 liters                                                   | 120 liters                                                   |
| <i>Condenser with cooling coils</i>                                         | Copper                                                       | Copper                                                       |
| <i>Lid diameter 600mm;<br/>Material: stainless steel 304</i>                | Blind                                                        | Blind                                                        |
| <i>Gasket lid</i>                                                           | EPDM                                                         | EPDM                                                         |
| <i>Diathermic oil</i>                                                       | 42 liters                                                    | 42 liters                                                    |
| <i>Heating power through resistance</i>                                     | 8000W                                                        | 8000W                                                        |
| <i>Cooling type</i>                                                         | Air                                                          | Air                                                          |
| <i>Electrical panel on board machine</i>                                    | ATEX 3 G with color display                                  | ATEX 2 G with color display                                  |
| <i>Overttemperature safety devices</i>                                      | Oil - Distillate - Motor fan                                 | Oil - Distillate - Motor fan                                 |
| <i>Mechanical safety</i>                                                    | Over pressure valves and diathermic oil                      | Over pressure valves and diathermic oil                      |
| <i>Additional safety</i>                                                    | Vapor temperature                                            | Vapor temperature                                            |
| <i>Cycle settings</i>                                                       | Double settings per cycle:<br>2 Temperatures and 2 durations | Double settings per cycle:<br>2 Temperatures and 2 durations |
| <i>Liability</i>                                                            | Vacuum management                                            | Vacuum management                                            |
| <i>Machine delivery kit</i>                                                 | 3 heat-resistant bags                                        | 3 heat-resistant bags                                        |
| <i>Dimension</i>                                                            | 806x606x1530 h mm                                            | 806x606x1660 h mm                                            |

### OPTIONAL

|                                                                                                              |                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>condenser</i>                                                                                             | <i>Stainless steel Aisi 316</i>                                                                                                                                                                                                   | <i>Stainless steel Aisi 316</i>                                                                                                                                                                                                   |
| <i>Lid diameter 600mm,<br/>Material: stainless steel 304</i>                                                 | Double inspection                                                                                                                                                                                                                 | Double inspection                                                                                                                                                                                                                 |
| <i>Gasket lid</i>                                                                                            | Viton - Teflon                                                                                                                                                                                                                    | Viton - Teflon                                                                                                                                                                                                                    |
| <i>Automatic loading</i>                                                                                     | Possibility of carrying out automatic loading of the distiller without opening the lid and carrying out manual transfer operations.<br>This system allows a second cycle to be carried out without waiting for the cooling phase. | Possibility of carrying out automatic loading of the distiller without opening the lid and carrying out manual transfer operations.<br>This system allows a second cycle to be carried out without waiting for the cooling phase. |
| <i>Suppression of the exothermic reaction</i>                                                                | Ideal safety system for solvents with nitro-based inks.<br>In the event that an exothermic reaction occurs inside the boiler, the suppression will take place by introducing mains water.                                         | Possibility of carrying out automatic loading of the distiller without opening the lid and carrying out manual transfer operations.<br>This system allows a second cycle to be carried out without waiting for the cooling phase. |
| <i>Base support</i>                                                                                          | support to allow the decanting of the distillate into commercial 200-liter drums                                                                                                                                                  | support to allow the decanting of the distillate into commercial 200-liter drums                                                                                                                                                  |
| <i>Internal agitator</i>                                                                                     | System that allows to reduce the powder residue through the use of inert materials ( recommended for solvents polluted by: glues, resins, nitro inks, composites)                                                                 | System that allows to reduce the powder residue through the use of inert materials (recommended for solvents polluted by: glues, resins, nitro inks, composites)                                                                  |
| <i>Vacuum generator Pneumatic<br/>(distillation of high boiling solvents with max boiling point 220 ° C)</i> | Painted iron - stainless steel                                                                                                                                                                                                    | Painted iron - stainless steel                                                                                                                                                                                                    |
| <i>Electric vacuum generator<br/>(distillation of high boiling solvents with max boiling point 220 ° C)</i>  | Painted iron - stainless steel                                                                                                                                                                                                    | Painted iron - stainless steel                                                                                                                                                                                                    |
| <i>Additional condenser<br/>( for areas of use with high ambient temperatures)</i>                           | Water cooling                                                                                                                                                                                                                     | Water cooling                                                                                                                                                                                                                     |
| <i>ONLY FOR WATER TREATMENT<br/>(ACTIVATED CARBON FILTER)</i>                                                | <i>Distilled water filtration group with passage to activated carbon</i>                                                                                                                                                          | <i>Distilled water filtration group with passage to activated carbon</i>                                                                                                                                                          |

**CONSUMABLES**

|                                                                                                         |                       |                       |
|---------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| <i>Heat-resistant bags</i>                                                                              | Pack of pcs. 50       | Pack of pcs. 50       |
| <i>Diathermic oil</i>                                                                                   | Tank of 5 - 30 liters | Tank of 5 - 30 liters |
| <i>ONLY FOR WATER TREATMENT</i><br><i>Replacement cartridge for granular</i><br><i>activated carbon</i> | <i>Packaging 1 pc</i> | <i>Packaging 1 pc</i> |
| <i>ONLY FOR WATER TREATMENT</i><br><i>25 kg bag of granular activated carbon.</i>                       | <i>25 kg bag</i>      | <i>25 kg bag</i>      |