



# SOLVENT RECOVERY SYSTEMS



Professional

Industrial

Ergonomic

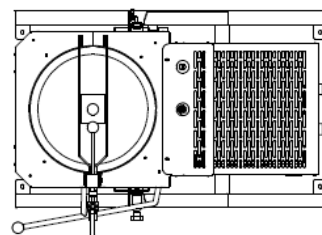
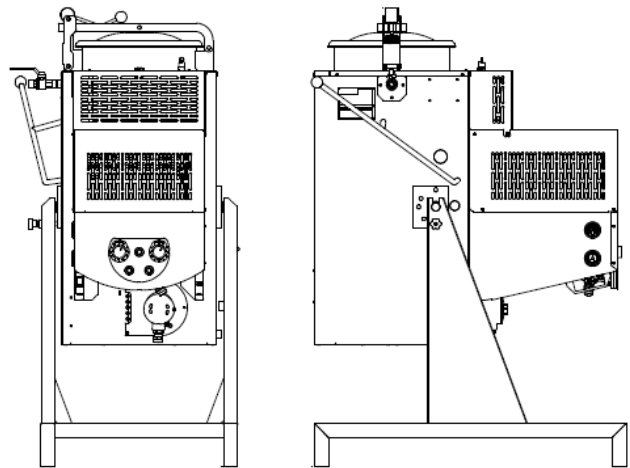
**Formeco s.r.l.**  
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35027 Noventa Padovana  
Padova – Italy – [www.formeco.com](http://www.formeco.com)

## SERIES STANDARD "DISTATIC"

### Model Di60 Ax LCD



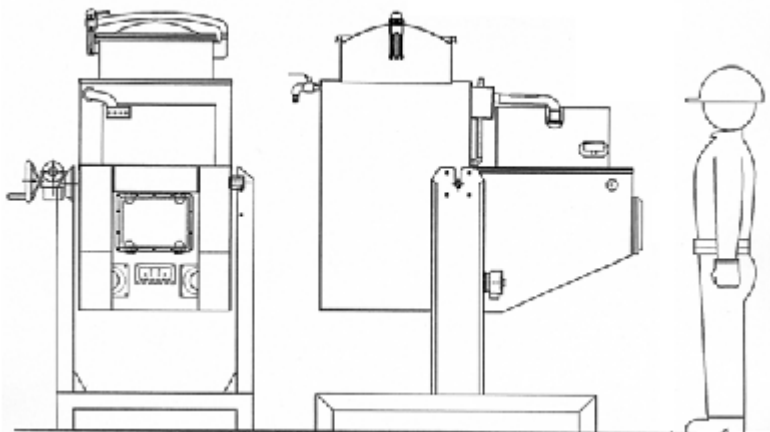
- Explosion proof version  $\text{Ex}$  ATEX approved
- For recycling of flammable and not flammable solvents
- Loading capacity: 60 litres
- Total volume of the boiler: 103 litres
- Inner diameter of the boiler: 400 mm
- Processing time: hours 4,00 - 5,30
- Working temperature: 50 - 180 °C
- Operating: atmospheric pressure
- Voltage: 230 V - 50 Hz
- Electrical supply: single phase + earth
- Connected power: 3000 W
- Electrical protection: II2G IIA T3 to T2
- Vapour condenser: stainless steel – cooled by air  
(on request - version "Wx" - cooled by water in open circuit)
- Dimensions: cm 110 x 75 x 165 H
- Weight: 212 kg
- Packing list for shipment: Cardboard on pallet
- Cm 118 x 153 x 197 H - Kg. 242



## SERIES STANDARD “DISTATIC”

### Model Di120 Ax LCD

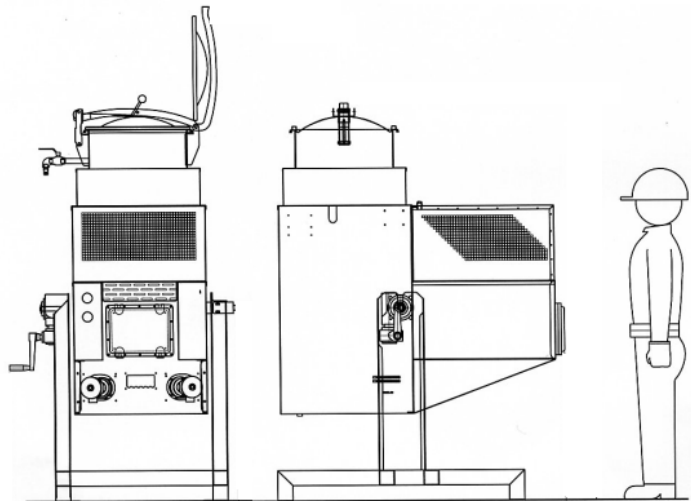
- Explosion proof version  $\text{Ex}$  ATEX approved
- For recycling of flammable and not flammable solvents
- Loading capacity: 120 litres
- Total volume of the boiler: 210 litres
- Inner diameter of the boiler: 500 mm
- Processing time: hours 4,00 - 5,30
- Working temperature: 50 - 180 °C
- Operating: atmospheric pressure
- Voltage: 4000 V - 50 Hz
- Electrical supply: three phases + earth
- Connected power: 7000 W
- Electrical protection: II2G IIA T3 to T2
- Vapour condenser: stainless steel – cooled by air  
(on request - version “Wx” - cooled by water in open circuit)
- Dimensions: Cm 130 x 91x 200 H
- Weight: 402 kg
- Packing list for shipment: Cardboard on pallet
- Cm 175 x 135 x 217 H - Kg. 453



# SERIES STANDARD “DISTATIC”

## Model Di160 Ax LCD

- Explosion proof version  $\text{Ex}$  ATEX approved
- For recycling of flammable and not flammable solvents
- Loading capacity: 160 litres
- Total volume of the boiler: 222 litres
- Inner diameter of the boiler: 500 mm
- Processing time: hours 4,00 - 5,30
- Working temperature: 50 - 180 °C
- Operating: atmospheric pressure
- Voltage: 400 V - 50 Hz
- Electrical supply: three phases + earth
- Connected power: 11200 W
- Electrical protection: II2G IIA T3 to T2
- Vapour condenser: stainless steel – cooled by air  
(on request - version “Wx” - cooled by water in open circuit)
- Dimensions: Cm 152 x 115 x 210 H
- Weight: 465 kg
- Packing list for shipment: Cardboard on pallet
- Cm 175 x 135 x 217 H - Kg. 513



## ADDITIONAL

### “REC BAG” Bags for Distillation Residues

The use of “Rec Bag” allows achieving a high concentration of solid contaminants (paints, pigments, resins, polymers, inks, etc.) with a consequent higher distillation yield. It means to get a process residue with very low solvent contents; this residue, contained inside the bag, is easy and quick to discharge, avoiding any contact with sludge and any cleaning of the boiler.

RecBag 60 – 120 - 160 litres 50 pieces package



## OPTIONAL

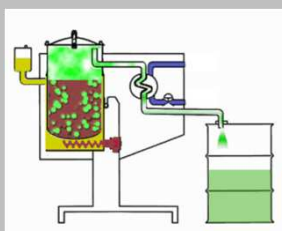


Easy loading of the polluted solvent to be treated set by push-button with level control.

Loading by Pneumatic pump or exploiting the depression generated by the vacuum group (where available).

### FUNCTIONING PRINCIPLE

The units of the D1static series are distillers which allow the recycling and the re-use degreasing and washing solvents. Through a simple distillation process, they separate the contaminants (resins, polymers, pigments, paints, oils, etc.) from the original solvent. The boiling of the solvent is accomplished by a peripheral heating jacket filled with diathermic oil, heated by an electrical element. The vapours are then conveyed to a condenser cooled by air or water. The condensed solvent is collected in a tank, for its reuse. The contaminants remain as a residue inside a disposable bag named “Rec-Bag” or by tilting the unit itself. The distilled solvent characteristics are not altered by the distillation process, which can be carried on repeatedly.



### TERMS

#### D1static

Distillation units with tilting boiler: residue unloading by means of mono-use bags “Rec Bag” (for solid contaminants) or tilting the unit (liquid contaminants). In the event of solid contaminants, the concentration of the process residues inside the bag is excellent: a solid cake which is easy to dispose off.

#### Di = Explosion Proof

Distillation units with explosion proof electrical protection, I12G IIA T3 to T2, for treating Inflammable and Not Flammable solvents, able to operate in the maximum danger zone (zone 1).

#### 60-120-160 = Loading capacity

Effective loading capacity of the boiler (litres)

#### Ax = Air condenser

Vapour condenser made of Stainless Steel AISI 304 cooled by air with a ventilation fan.

#### LCD = Liquid crystal display

Control board with LCD for time regulation.