



SOLVENT RECOVERY SYSTEMS



Professional

Industrial

Ergonomic

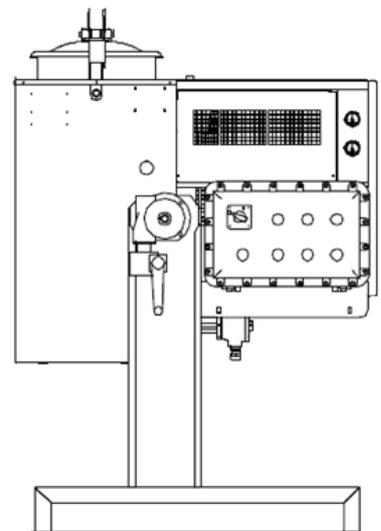
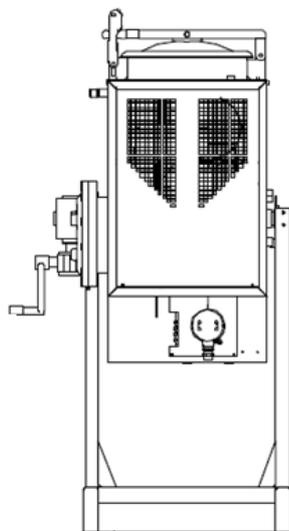
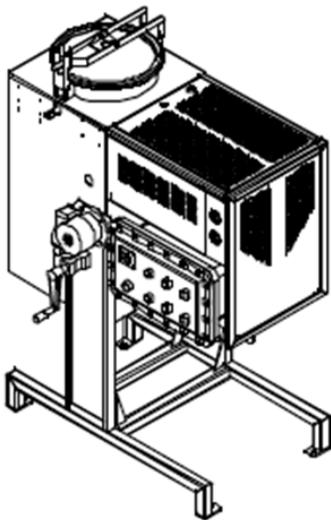
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Padova – Italy – www.formeco.com

SERIES PROFESSIONAL “DISTATIC”

Model D 60 Ax



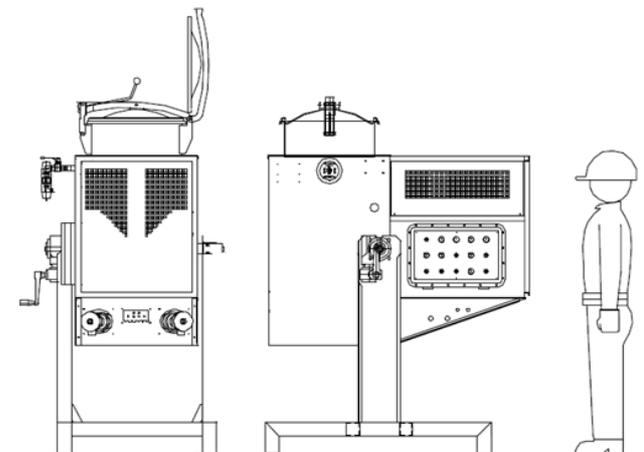
- Explosion proof version Ex ATEX approved
- For recycling of flammable and not flammable solvents
- Loading capacity: 60 litres
- Total volume of the boiler: 103 litres
- Inner diameter of the boiler: 400 mm
- Processing time: hours 4,00 - 4,30
- Working temperature: 50 - 180 °C
- Operating: atmospheric pressure
- Voltage: 400V - 50 Hz
- Electrical supply: three phase + earth
- Connected power: 4200 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)
- Cover gasket: standard
- Dimensions: cm 130 x 90 x 165 H
- Weight: 340 kg
- Packing list for shipment: Cardboard
- Cm 118 x 153 x 197 H - Kg. 375



SERIES PROFESSIONAL “DISTATIC”

Model D 120 Ax / D 160 Ax

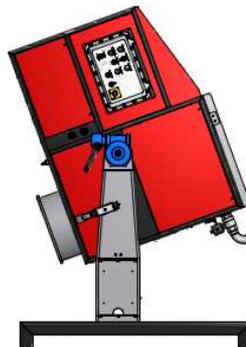
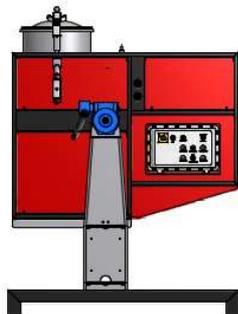
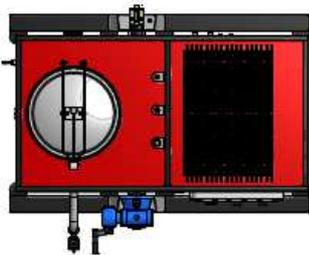
- Explosion proof version Ex ATEX approved
- For recycling of flammable and not flammable solvents
- Loading capacity: 120 /160 litres
- Total volume of the boiler: 210 / 222 litres
- Inner diameter of the boiler: 500 mm
- Processing time: hours 4,00 - 4,30
- Working temperature: 50 - 180 °C
- Operating: atmospheric pressure
- Voltage: 4000 V - 50 Hz
- Electrical supply: three phases + earth
- Connected power: 9700 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)
- Cover gasket: universal
- Dimensions: Cm 152 x 118 x 203 / 223 H
- Weight: 534 / 540 kg
- Packing list for shipment: Cardboard on pallet
Cm 175 x 135 x 217 / 225 H - Kg. 583 / 588



SERIES PROFESSIONAL “DISTATIC”

Model D 230 Ax

- Explosion proof version Ex ATEX approved
- For recycling of flammable and not flammable solvents
- Loading capacity: 230 litres
- Total volume of the boiler: 410 litres
- Inner diameter of the boiler: 510 mm
- Processing time: hours 4,00 - 4,30
- Working temperature: 50 - 180 °C
- Operating: atmospheric pressure
- Voltage: 400 V - 50 Hz
- Electrical supply: three phases + earth
- Connected power: 17000 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)
- Cover gasket: standard
- Dimensions: Cm 180 x 150 x 245 H
- Weight: 1000 kg
- Packing list for shipment: Cardboard on pallet
- Cm 190 x 200 x 270 H - Kg. 1100



ADDITIONAL

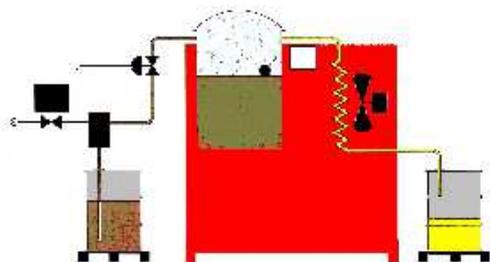
“REC BAG” Bags for Distillation Residues

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 50 pieces package

OPTIONAL



AUTOMATIC LOADING OF POLLUTED SOLVENT

The machines can be equipped with automatic loading of solvent, set by a pc-board installed in the control board, with level control inside the boiler. Possibility of 1, 2 or more consecutive automatic cycles, or continuous loading.

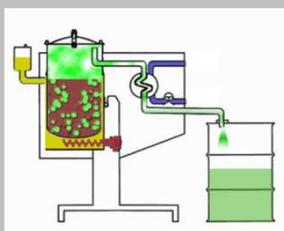
AUTOMATIC UNLOADING OF RESIDUE

The machines can be equipped with automatic bottom valve for residue unloading.

FUNCTIONING PRINCIPLE

The units of the Dstatic 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. For the 60 and 120 litres unit 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

Dstatic

Distillation units with tilting boiler: residue unloading by means of mono-use bags “Rec Bag” (for solid contaminants – 60 and 120 litres units) or tilting the unit (liquid contaminants – 230 litres units). 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.

D = Explosion Proof

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

60-120-230 = 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.