



SOLVENT RECOVERY SYSTEMS



Professional

Industrial

Ergonomic

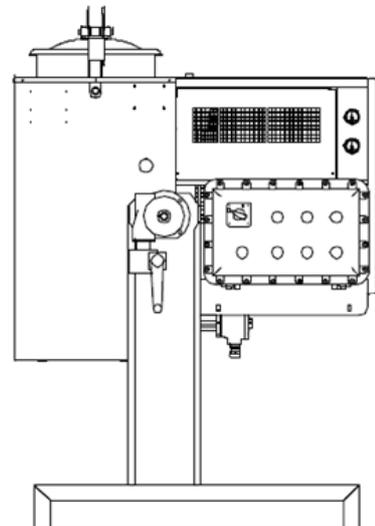
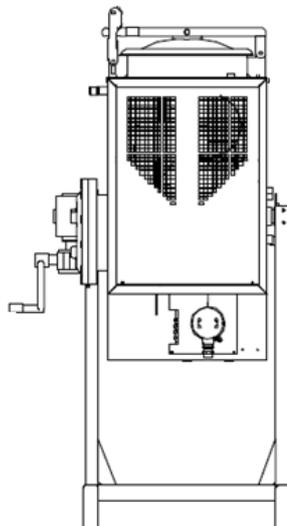
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SERIES PROFESSIONAL “DYNAMIC”

Model DQ 60 Ax



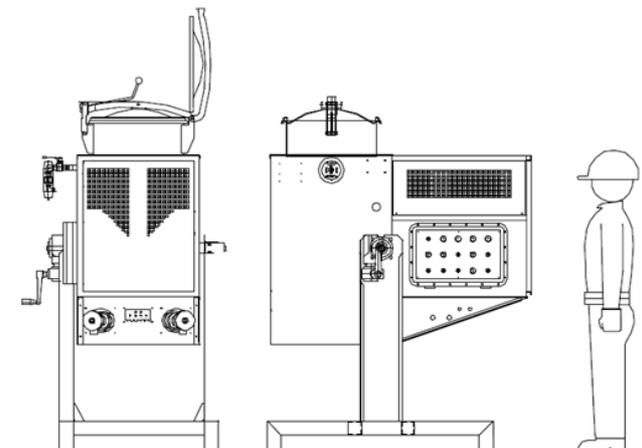
- Explosion proof version Ex ATEX approved
- For recycling of flammable and not flammable solvents
- Loading capacity: 60 litres
- Total volume of the boiler: 103 litres
- Inner diameter of the boiler: 400 mm
- Processing time: hours 4,00 - 5,30
- Working temperature: 50 - 180 °C
- Operating: atmospheric pressure
- Voltage: 400 V - 50 Hz
- Electrical supply: three phase + earth
- Connected power: 4500 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 90 x 130 x 165 H
- Weight: 420 kg
- Packing list for shipment: Cardboard on pallet
- Cm 118 x 153 x 197H - Kg. 510



SERIES PROFESSIONAL “DYNAMIC”

Model DQ 120 Ax

- Explosion proof version 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: 10500 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 118 x 152 x 203 H
- Weight: 630 kg
- Packing list for shipment: Cardboard on pallet
- Cm 175 x 135 x 217 H - Kg. 690



INNER SCRAPER

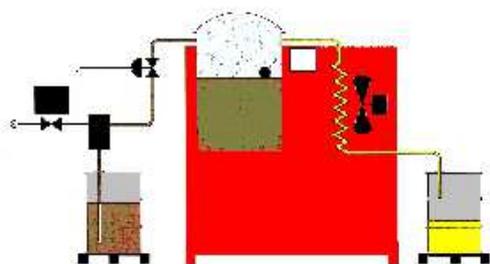
Distillation units with tilting self-cleaning boiler equipped with scraper having adjustable metallic blades for the highest concentration/drying of the process residues.

Keeping in movement the product to be treated we obtain the complete separation between solvent and contaminants, for the highest yield on distillation.

An automatic drying cycle allows the residues to be extracted as a powder. Discharge by tilting the plant.



EASY LOADING



AUTOMATIC LOADING OF POLLUTED SOLVENT

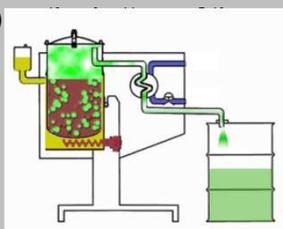
The machines can be equipped with automatic loading of solvent, set by a pc-board installed in the control board, with level control inside the boiler. Possibility of 1, 2 or more consecutive automatic cycles, or continuous loading.

AUTOMATIC UNLOADING OF THE DISTILLATE

Service tank, placed by the side of the plant, on the loading line, with pneumatic level control and membrane pump for sending the distillate to a customer's storage tank.

FUNCTIONING PRINCIPLE

The units of the Dynamic 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 concentrated residue (or powder) boiler, easy to unload by tilting the unit. The distilled solvent characteristics are not altered by the distillation process, which can be carried on repeatedly.



TERMS

D = Explosion Proof

Distillation units with explosion proof electrical protection, II2G IIA T3 to T2, for treating Inflammable and Not Flammable solvents, able to operate in the maximum danger zone (zone 1).

Q

Distillation units with tilting self-cleaning boiler equipped with scraper having adjustable metallic blades for the highest concentration/drying of the process residues.

60-120 = 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.