FORMECO®

Distillatori per solventi
Solvent recovery systems
Lösemitteldestillationsanlagen
Distillateurs pour solvants
Destiladores para disolventes

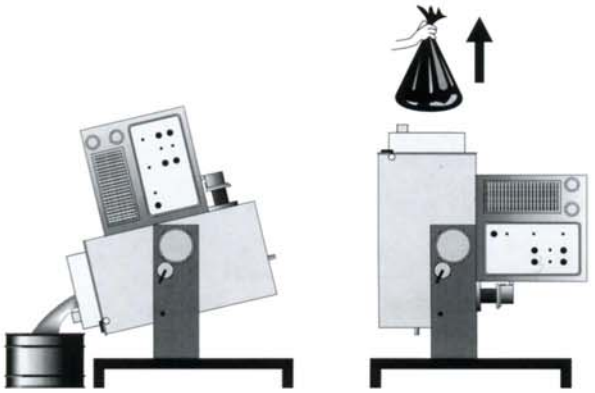
CE

TÜV PRODUCT SERVICE

Solvent distillation equipment and distillation equipment for distilling solvents

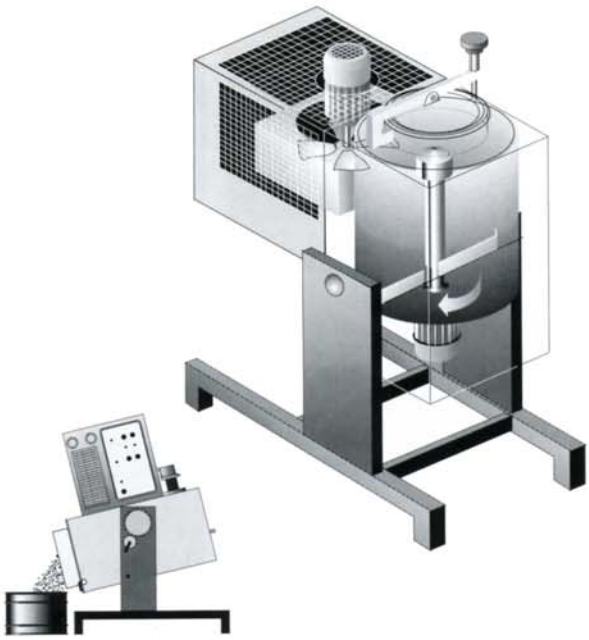
PROFESSIONAL DISTATIC

The units of the series D60-120-180 are distillers which allow the recycling and reuse of 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 can be removed by tilting the unit. The characteristics of the distilled solvent are not altered by the distillation process, which can be carried out repeatedly.



PROFESSIONAL DYNAMIC

The Dynamic units are equipped with scrapers having adjustable metallic blades which keep the product to be treated constantly in movement allowing maximum extraction of the solvent and concentration of the residues; furthermore they avoid the residues to stick to the boiler walls and bottom. This avoids also multiple interventions and the use of the disposable "Rec Bags". An automatic drying cycle will allow the residues to be extracted at the desired concentration in a solid state, with practically a total separation between solvents and contaminants.



ERGONOMICS

These units are developed in a very rational way allowing the greatest of ease of operations for loading and unloading.
Their rugged frame and simple design are a guarantee for durability.

PROCESS PROGRAMMING

The cycle can be adapted according to the products to be distilled selecting one of the 3 available standard programs :

- Program I :
  The cycle is divided in two stages by means of a timer. Every stage is controlled by different parameters according to the characteristics of the product to be distilled and its contaminants.
- Program II :
  This cycle is used to recover thinners that might degenerate if brought to particular temperature levels, or solvents bearing thermolable contaminants.
- Program III :
  Other programs are available for specific requirements of the process.

YIELDS

Technical improvements developed over many years have optimised the heating system increasing the heat by over 20%; furthermore, the development of an exclusive circuit for the diathermic oil, named "Long Life", has doubled the oil life (over than 2000 hours) consequently reducing maintenance interventions. Similar results have been achieved in the condensation, reducing considerably the usage of water for the water cooled systems.

VACUUM: WHEN AND HOW

All these units can be connected to a vacuum group "V".
The vacuum is suitable for high boiling solvents or for those flammable ones which have a boiling point close to the flash point.
The vacuum consists of a pneumatic vacuum generator fed in continuous by compressed air which allows to operate with a vacuum degree of 80% (-600 mm Hg). A pneumatic vacuostat (optional) reduces the consumption of compressed air. On request, all units can be equipped with different kind of vacuum generators. Vacuum can be automatically connected during every phase of the distillation process.

PROFESSIONAL UNITS		30	60	120	180
Distillable solvents		Flammable + Not Flammable			
Construction		Explosion proof EEx od IIB T2			
Boiler discharge		by tilting			
Vapours condenser		Air or Water cooled			
Total boiler capacity	litres	40	102	182	375
Useful boiler capacity	litres	30	60	120	180
Programmi automatici di distillazione		---	●	●	●
Programmi a microprocessore		---	○	○	○
PERFORMANCES					
Distillation temperature	°C	50 - 180	50 - 180	50 - 180	50 - 180
Distillate output	l/h	6 - 8	15 - 25	30 - 50	45 - 75
Pre-heating time	min	40	40	40	40
Distillation cycle time	hours	3 - 4.30	3 - 4.30	3 - 4.30	3 - 4.30
Residue drying time	hours	0 - 5	0 - 5	0 - 5	0 - 5
Connected power	kW	2,4	4,5	9,5	15
SERIE *Distatic*					
Maximum solid residues contents	%	---	80	80	80
Residues discharge by "REC BAG"		---	●	●	●
Residues discharge by tilting boiler		---	●	●	●
Width x Depth x Height	cm	---	90x122x161	105x152x195	180x180x220
Weight	kg	---	335	522	834
SERIE *DYnamic*					
Scraper		●	●	●	---
Maximum solid residues contents	%	15	20	20	---
Residues discarge by tilting boiler		●	●	●	---
Width x Depth x Height	cm	60x100x148	90x122x161	105x150x195	---
Weight	kg	190	470	630	---

● STANDARD --- NOT FORESEEN ○ OPTIONAL

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Contact information update:

We have begun the long arduous process of moving our office.
Please continue to direct mail to:

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All phone contact to:
423.289.6894

All other email and website information remains the same. You can contact us at any of the existing web addresses. Email is received remotely and responded to more quickly and efficiently than a phone message. If you call the office, please leave a thorough message INCLUDING your email address so that we can send you the required information as soon as possible.

Thank You.