Distatic Standard Solvent Recycling Systems

SAVES MONEY

In most cases they can pay for themselves in a few months with savings on new solvents and waste disposal.

ENVIRONMENT FRIENDLY

Recycle solvents and reduce waste. Less waste for removal from site. Less new and waste solvents required to be stored on site, lower hazard. No emissions from plant. Can be part of ISO 14000.

SAFE AND EASY TO USE

All machines CE approved and models for flammable solvents are ATEX certified.

Simple controls for ease of use.

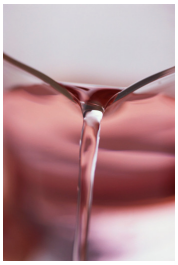
FREE DEMONSTRATION

We are so sure that once you have seen a distiller in action you will want one, that's why we are happy to provide a free on site demonstration with no obligation.

Distatic Standard Models

Solvent recycling is a great way to save money and the range of economic *Distatic* models allows small or large solvent users to benefit. The *Distatic* range from 15 litres to 160 litres capacity is suitable for any solvent. Solvent recycling provides a means to close loop waste streams for ink, paints, adhesives, degreasing solvent or almost any wash solution. Recovered solvents have the same properties as new solvent . By recycling, solvent purchases can be reduced dramatically and waste disposal is minimised. Machines can distil up to 99% of the waste and because of the significant savings they can pay for themselves in a few months!

The automatic units are easy to use and produce clean wash solvents, ready for reuse. In the *Distatic* series the solid contaminants remain as a residue inside a disposable bag. Liquid waste residues can be removed by simply tilting the unit itself. The distilled solvent characteristics are not altered by the distillation process, which can be carried out repeatedly. A distillation unit reduces the volume of hazardous materials on site and all but eliminates the need to transport liquid hazardous waste off site.



- Saves money
- Helps the environment
- Instant reuse of recycled solvents
- Reduce purchases of new solvent
- Reduce waste to a minimum
- Reduce your stock, reduce the risk
- Wide range of options available
- Leasing plans available

The number one choice with over 37,000 machines installed worldwide

Distatic Standard Models Available

ROTATING BOILER

All models feature a boiler that can easily be rotated. This allows user's to unload liquid residues or perform maintenance easily. On large models power assistance is provided.

OPTIONS

A wide range of options are available including:

Vacuum systems

Easy loading systems

Unloading valves

Water separators

Fractionating valves

Bunds

Tanks

Hoses

REFERENCES

With 37,0000 units installed worldwide you can be sure that there is a unit working in a similar application to yours. Many of the worlds leading companies can testify to the quality, reliability and cost effectiveness of the equipment..

Si/Di15A
15 litre

Si/Di30A
30 litre

Si/Di60A
60 litre

Si/Di120A
120 litre

Si/Di160A
160 litre

The Standard *Distatic* models are available in non-flammable (S series) and flammable (D series ATEX Certified) versions with copper or stainless steel condensers. The standard distillers use air cooled condensers but water cooled versions are available as a no cost option in most cases.
The *Distatic* distillers are available in load capacities of 15, 30, 60, 120 and 160 litres. The actual load capacity should not be confused with the total boiler capacity which is always greater. Our distillers are constructed in a way that always provides sufficient free space inside the boiler to ensure efficient operation. The model number denotes the load capacity, a Di60 holds 60 litres but the overall capacity is 109 litres.

During a cycle, the clean distilled solvent flows out of the distiller and is collected in a can ready for reuse. The cycle time depends on the solvent used and the contaminants within but generally is between 3 and 5 hours. The cycle is automatic and will stop after the preset time allowing the distiller to be left unattended. The waste residues such as paint, inks and oils etc are collected in a disposal bag called a *Recbag*. Using a bag eliminates the need for boiling cleaning after every cycle and is a quick and easy method that takes only a few minutes.

LCD Display

SERVICES AVAILABLE

Technical Support

Installation and Setup

Maintenance

Spare parts supply

Guaranteed Warranty

Technical Information

TECHNICAL SUPPORT

Help and advice is available free before, during and after purchase. We will help you select the right machine and advise on installation. We can also install, commission and train operators if required.

SERVICE

Like any machinery, our distillers require servicing periodically. Our engineers are equipped to perform services at your premises if required. Consumable items and spare parts are readily available from stock.

The units use the principle of distillation which allows the recycling and then the re-use of solvents. Through this simple distillation process, they separate the contaminants (resins, pigments, paints, oils inks, etc.) from the original solvent. The condensed solvent is collected in a tank ready for its reuse. The characteristics of the processed solvent are not altered in any way by distillation which can be repeated indefinitely.

WORKING PRINCIPLE

The boiling of the polluted solvent takes place in a boiler made of stainless steel that forms a unique unit together with a heating jacket filled with diathermic oil that is heated by one or more electrical heating elements. The vapours are conveyed to a condenser cooled by air or water. The solvent flows into a container ready for reuse. There are no solvent emissions from the unit during operation.

OPERATING

The distillation cycle is fully automatic. The operator's work is limited to simply loading the solvent (1), setting the distillation time and temperature (2). The plant automatically discharges the solvent into a Can or tank (3). Finally, unloading the solid or liquid residues (3-4).

CLEANING

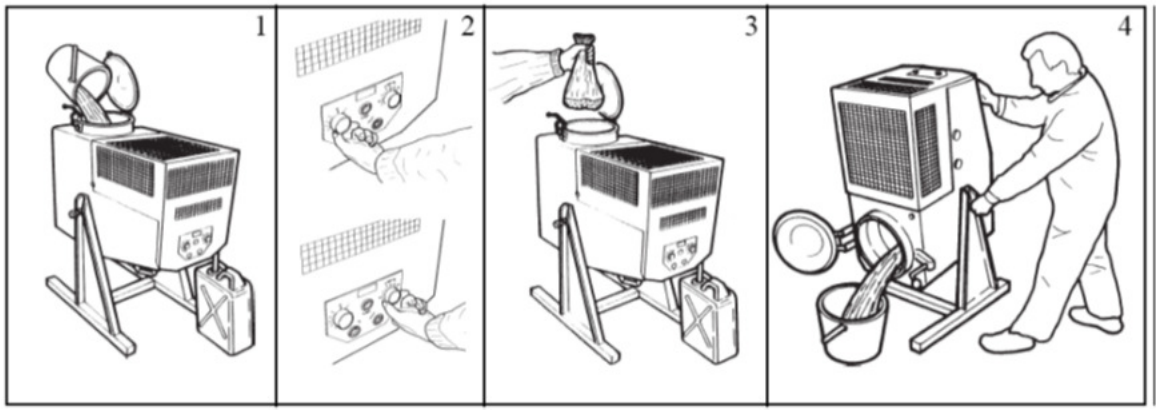
Cleaning of the unit is quick and easy. For liquid residues, the boiler is easily rotated to discharge the contents (5). In the case of solid residues (paints, resins, polymers, pigments etc.) the concentrate is collected inside a special disposable bag named *Recbag*, this avoids manual cleaning of the boiler surface.

SAFETY

The unit operates at atmospheric pressure. Safety devices monitor heating and distillate temperatures and the machine stops automatically if a fault is detected. All units are manufactured in accordance with European standards concerning distillation units: CEI 64-2 and EN 50014-15-18. The machines are constructed with all components ATEX approved and are CE marked.

VACUUM DISTILLATION (OPTION AS REQUIRED)

The units can be connected to a vacuum unit when it is necessary to recycle thermally unstable solvents (e.g. chlorinated), in order to avoid their decomposition or solvents with a boiling point higher than 200 ºC and solvents with flash points close to that of the boiling point such as White Spirit for example.



MODEL	BOILER CAPACITY	LOADING CAPACITY	POWER	PROTECTION	FLAMMABLE SOLVENTS	NON-FLAMMABLE SOLVENTS	DIMENSIONS	WEIGHT
	LITRES	LITRES	kW				mm	kg
Si15 Ax	20	15	0.81	AD-T IP44	X	●	630 x 730 x 1450	67
Si30 Ax	40	30	1.62	AD-T IP44	X	●	650 x 1000 x 1500	110
Di15 Ax	20	15	1.04	ATEX	●	●	550 x 650 x 1650	67
Di30 Ax	40	30	2.04	ATEX	●	●	650 x 1000 x 1160	142
Di60Ax	103	60	3.3	ATEX	●	●	690 x 1100 x 1600	212
Di120Ax	210	120	6.8	ATEX	●	●	1518 x 1144 x 2060	393
Di160 Ax	250	160	11	ATEX	●	●	1518 x 1200 x 2105	465

X not suitable ● Suitable Models available with copper condenser (A) or stainless steel (Ax).