

Distatic Professional 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.

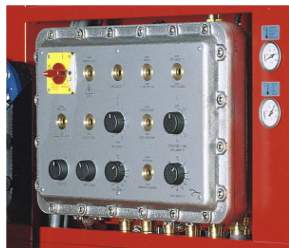
SAFE AND EASY TO USE

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.



Professional Models —Distatic

Solvent recycling is a great way to save money and the versatile range of *Professional Distatic* models lead the way in automated solvent recycling.

All models come as standard with microprocessor control of all functions. This allows numerous options to be fitted. One of the many additional features included with the *Professional* units is a drying cycle that allows higher temperatures to be set after the distillation cycle. For example, the unit could distil at 140°C for 4 hours and automatically switch to 180°C for 1 hour to dry the residues.

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 or through the optional unloading valve. 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**
- ◆ **Dramatically 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
36,000 machines installed worldwide

AUTOMATION

The microprocessor controlled machines are designed for automatic processing of waste solvents. With loading and optional unloading systems the operator only has to press start to begin one or multiple cycles.

OPTIONS

Various options are available for the Professional series Distatic models:

- Enhanced programs
- Automatic loading
- Automatic unloading
- Vacuum systems
- Fractionating valves
- Water separators
- Safety devices for nitrocellulose
- Solvent transfer systems
- Tanks
- Hoses
- Bunds
- And many more on request.

QUALITY

Machines are robust have been proven to be reliable over many years service. All equipment is manufactured in accordance with current European legislation.



Professional Distatic series

The Professional *Distatic* models are available in non-flammable (S series) and flammable (D series ATEX Certified) versions with stainless steel condensers and copper condensers as an option. The standard distillers use air cooled condensers but water cooled versions are available as a no cost option in most cases. The Professional *Distatic* distillers are available in load capacities of 60, 120, 160 and 230 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 D120 holds 120 litres but the overall capacity is 208 litres.

During a cycle, the clean distilled solvent flows out of the distiller and is collected in a drum or tank 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.

Automatic loading is available as an option and subsequent cycles can be performed automatically.



D60



D120



D160



D230



The Distatic Professional series uses a bag to collect waste residues like inks and paints. Not available on D230.

Technical Information

PROCESS PROGRAMMING

Different cycles can be selected depending on the products to be distilled, you can choose 2 different cycle times and temperatures that can be use for distilling and drying residues for example.

The enhanced program option allows up to ten process cycles to be remembered with multiple process options that can control the use of the optional vacuum at different stages, cooling between batches, drying, power options and many more making the machine completely versatile and suitable for any solvent. The program functions are displayed on a screen with time counters and fault finding options, all available in different European languages.

The machines are ideal for paint thinners, printing wash solvents, degreasing solvents and many more applications. The list is endless as we have supplied equipment into virtually every sector of industry.

YIELDS

Technical improvements developed over many years have optimised the heating system, increasing the heat by over 20%. The development of an exclusive circuit for the diathermic oil has doubled the oils life to over 2000 hours, consequently reducing the maintenance requirements. Similar advances have been made in the case of the water-cooled condensers, their water usage being reduced considerably.

VACUUM: WHEN AND HOW?

All units can be connected to a vacuum group. The vacuum is suitable for high boiling temperature solvents or for flammable solvents with auto-ignition points near the boiling point. The vacuum consists of either a pneumatic vacuum generator fed with compressed air or a liquid ring pump, depending on the application and degree of vacuum required. Vacuum can be automatically activated during every phase of the distillation process. They vacuum can be used for waste solvent loading avoiding the need for a load pump.



Distatic Units		D60	D120	D160	D230
Suitability		Flammable and non-flammable			
Electrical protection		Explosion proof. ATEX approved			
Boiler discharge		By tilting			
Vapour condenser		Air or water cooled			
Total boiler capacity	litres	103	210	222	397
Working capacity	litres	60	120	160	230
Automatic distillation program		•	•	•	•
Visual display		o	o	o	o
Performance					
Distillation temperature	°C	50-200	50-200	50-200	50-200
Distillate output	l/h	12 -20	25 – 40	30 – 45	36 - 60
Pre heating time	min	45	45	45	45
Distil cycle time	hours	4 ~ 5	4 ~ 5	4 ~ 5	4 ~ 5
Residue drying time	hours	1	1	1	1
Power	kW	5.5	9.7	9.7	17
Residue discharge by RECBAG		•	•	•	n/a
Residue discharge by tilting boiler		•	•	•	n/a
Width x depth x height	cm	900 x 1300 x 1650	1180 x 1520 x 2030	1180 x 1500 x 2100	1500 x 1800 x 2450
weight	kgs	340	534	564	1000

• standard o optional

For larger units see the Industrial Series brochure

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.

REFERENCES

With over 36,000 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..

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