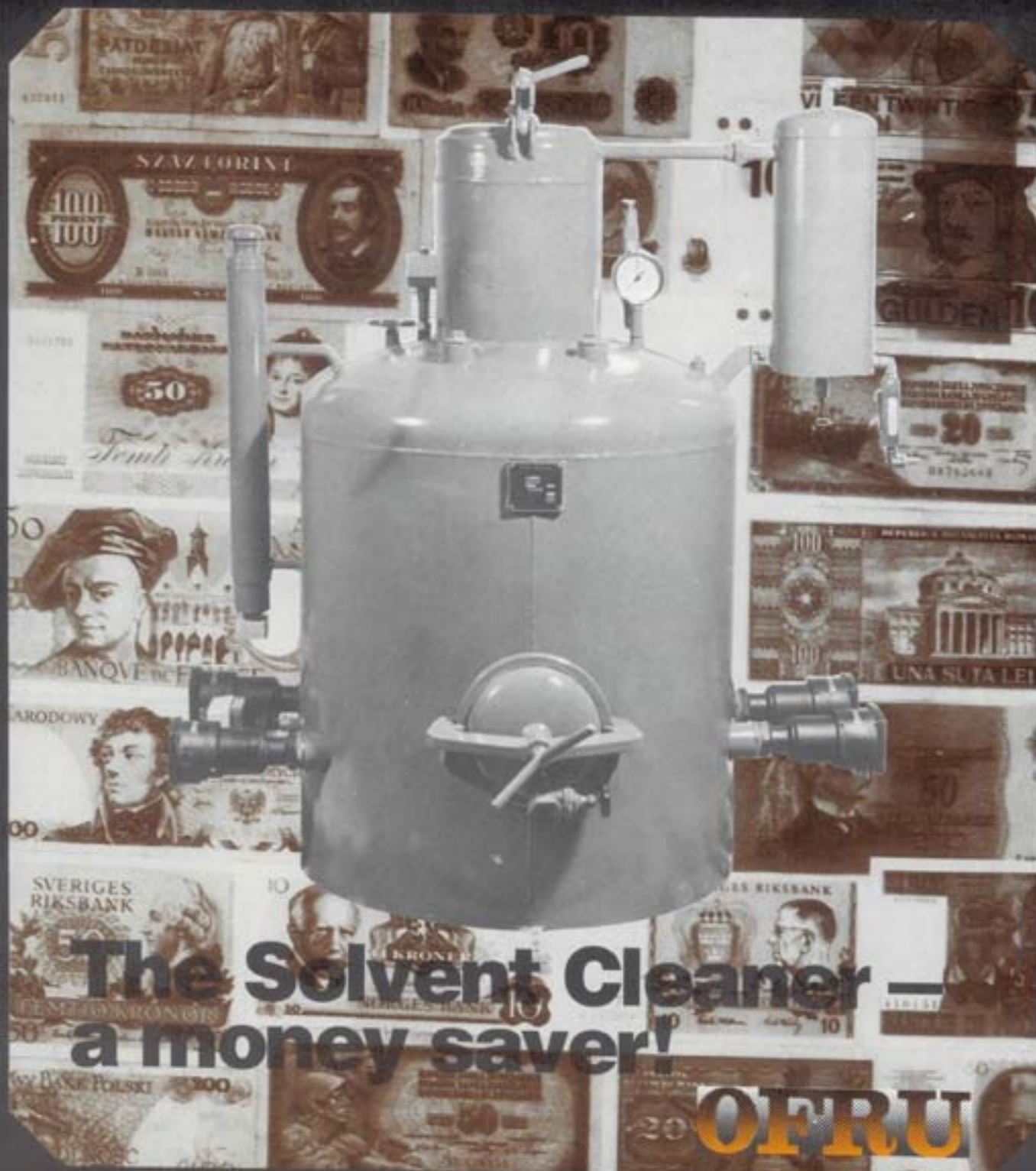


**OFRU – Regeneration Systems
for inflammable solvents**

Solvent Cleaner

**SC 50, SC 100, SC 200,
SC 400, SC 500**



**The Solvent Cleaner –
a money saver!**

OFRU

From used to fresh solvents in one step. Less environmental pollution – higher pay-back

Many factories and work shops are regularly confronted with used solvents including those of easy inflammability.

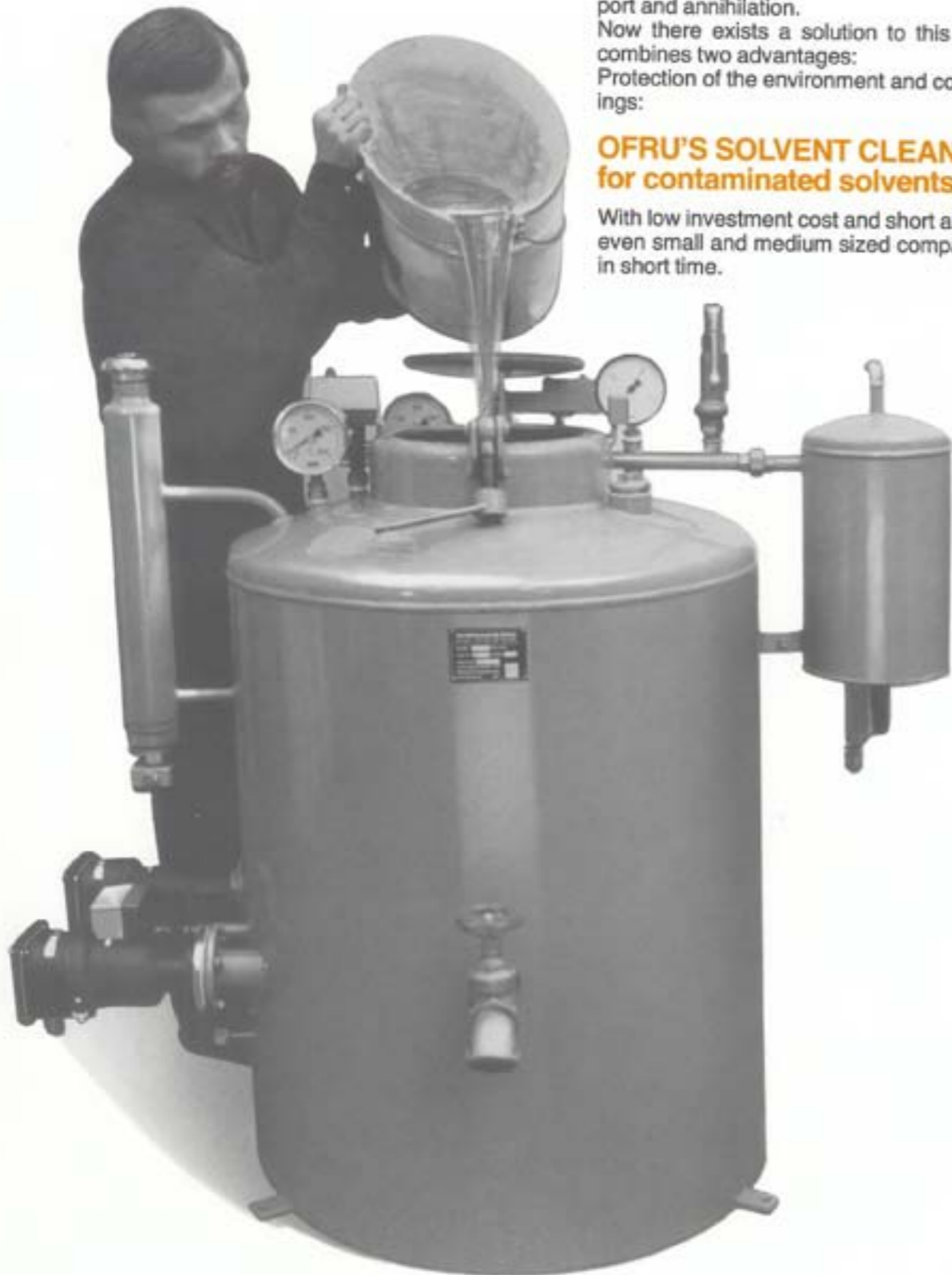
What to do with them? Up to this point they had to be disposed off in a rather costly operation for transport and annihilation.

Now there exists a solution to this problem which combines two advantages:

Protection of the environment and considerable savings:

OFRU'S SOLVENT CLEANER for contaminated solvents.

With low investment cost and short amortisation time even small and medium sized companies earn cash in short time.



Easy to handle!

According to the size the solvent cleaner is filled with 100, 200 or 500 liters of contaminated solvent. Then the automatic control is switched on. From now on everything works without supervision.

The solvent cleaner reaches the predetermined temperature. The solvent evaporates according to its boiling point, condensates in the high capacity condenser and is collected in a tank. From here the colourless and clean solvent can be taken for re-use. After the distillation is finished the apparatus turns off automatically. The discharge of residues has to be done by opening the drain cock by hand and can be cleaned by a large opening.

High yield – up to 90%!

The quantity of reusable solvent depends on the kind of solvent and its contamination. With a solvent cleaner installed contamination can be kept at a minimum thus reaching yields of 90% and more.

Explosion-proof!

The solvent cleaner is made of normal steel or stainless steel on request. The electrical equipment is explosion-proof. This assures the safe distillation even of inflammable solvents with a flash point below 21°C and an ignition temperature of 250°C and above.

There are no moving parts which means:
no wear of the apparatus.

Fast amortisation

Do a simple calculation and you realize how short the pay-off time of a SC unit is. Write down the purchase prize for 100 liters of new solvent. Add the cost for transport and disposal of the used solvent. Now you have the total cost which you are paying now.

In case you have a SC unit the running cost for recycling 100 liters of solvent are about:
DM 8,00 / S 3.50 / £ 2.00 / FF 18.00.

The difference is your earning per filling. Usually a SC unit is paid for with only 35 fillings!

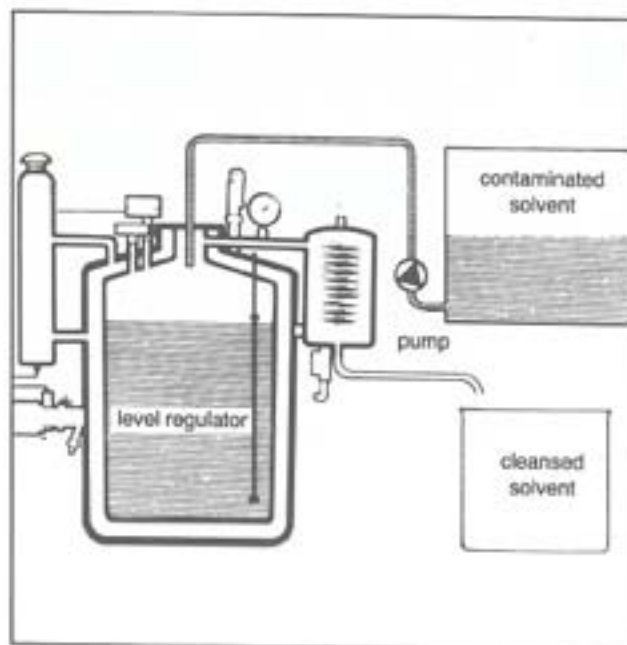


Technical description

The system consists of a tank 1 with a further tank inside. This inner tank can hold 100, 200, or 500 liters of liquid to be regenerated or cleaned by distillation. The inner tank is immersed in a heat-transfer fluid which is equally heated by explosion-proof heating cartridges 2. The thermostat 3 regulates the temperature. The float switch 4 warns of any loss of heat-transfer fluid. The thermometer 5 indicates the boiling temperature. The pressure gauge 6 shows the pressure. The safety valve 7 opens at 0.5 bar. The vapours are condensed in the watercooled high capacity condenser 8. A flow water safety valve 9 constantly controls the addition of water for cooling. After the distillation process the safety thermostat 10 switches the system off automatically. The residue is removed manually by opening the drain cock 11. The switch board 12 regulates the whole system. The solvent cleaner SC 400 and SC 500 is working with a pump circulation of the heat-transfer fluid.

Continuous operation

This is also possible.
The picture below shows a separate solution.



Continuous flow with pump and level regulator

Technical data

	SC 50	SC 100	SC 200	SC 400	SC 500
Tank capacity / liters	100	100	200	500	500
Distillation capacity / liters/h	approx. 20	approx. 30	approx. 60	approx. 100	approx. 150
Heating-up time	approx. 1 hour				
Heating capacity (temp.)	up to 200° C				
Voltage	380 V 3 PH				
Power consumption / kW	4.5	9.0	18.0	30.0	35.0
Cooling water flow m ³ per fill	0.7	1.0	2.0	6.0	8.0
Dimensions in cm Width / Depth / Height	130x60x110	140x70x125	150x115x160	170x150x170	170x150x170
Weight / kg	280	300	400	500	550

We reserve the right to make changes in construction.

