

## Solvent Recovery Systems

### ECONOMY LINE: Series VRA

For medium and large distillation rates

- Profitable from > 100 l/day
- Low investment costs
- Short lead time
- Fully automatic operation, 24/7
- Technically mature
- Integrated heating and vacuum unit
- Water-cooled vapour condenser
- Explosion-proof according to ATEX-Directive 94/9/EC
- Made in Germany



Photo: VRA-250 with optional equipment



## Solvent Recovery Systems

Model	VRA-250	VRA-400	VRA-800	VRA-1200
Distillation rate, depending on solvent, water content and type and degree of pollution	40 – 100 l/h <sup>*1</sup>	60 – 140 l/h <sup>*1</sup>	80 – 250 l/h <sup>*1</sup>	120 – 300 l/h <sup>*1</sup>
Operating temperature	max. 200 °C	max. 200 °C	max. 200 °C	max. 200 °C
Operating vacuum, medium water at 15 °C	max. 40 mbar <sup>*</sup>	max. 33 mbar <sup>*</sup>	max. 33 mbar <sup>*</sup>	max. 33 mbar <sup>*</sup>
Type of protection	⊕ II 2 G T3 <sup>**</sup>	⊕ II 2 G T3 <sup>**</sup>	⊕ II 2 G T3 <sup>**</sup>	⊕ II 2 G T3 <sup>**</sup>
Average energy consumption per hour approx.	8.5 – 10 kWh <sup>*</sup>	15 – 17.5 kWh <sup>*</sup>	22 – 30 kWh <sup>*</sup>	27 – 35 kWh <sup>*</sup>
Width	1500 mm	1850 mm	2000 mm	2250 mm
Height	2650 mm	2750 mm	2850 mm	3100 mm
Depth	910 mm	1400 mm	1550 mm	1800 (+800) mm
Empty weight approx.	530 kg	1000 kg	1100 kg	1550 kg

Model	VRA-1600	VRA-2000	VRA-3000	VRA-4000
Distillation rate, depending on solvent, water content and type and degree of pollution	200 – 400 l/h <sup>*1</sup>	300 – 500 l/h <sup>*1</sup>	400 – 1000 l/h <sup>*1</sup>	400 – 1300 l/h <sup>*1</sup>
Operating temperature	max. 200 °C	max. 200 °C	max. 200 °C	max. 200 °C
Operating vacuum, medium water at 15 °C	max. 33 mbar <sup>*</sup>	max. 33 mbar <sup>*</sup>	max. 33 mbar <sup>*</sup>	max. 33 mbar <sup>*</sup>
Type of protection	⊕ II 2 G T3 <sup>**</sup>	⊕ II 2 G T3 <sup>**</sup>	⊕ II 2 G T3 <sup>**</sup>	⊕ II 2 G T3 <sup>**</sup>
Average energy consumption per hour approx.	40 – 50 kWh <sup>*</sup>	50 – 60 kWh <sup>*</sup>	65 – 80 kWh <sup>*</sup>	80 – 100 kWh <sup>*</sup>
Width	2250 mm	2250 mm	2600 mm	2600 mm
Height	3450 mm	3800 mm	4300 mm	4400 mm
Depth	1800 (+800) mm	1800 (+800) mm	2150 (+950) mm	2150 (+950) mm
Empty weight approx.	1700 kg	2100 kg	3000 kg	3800 kg

Technical specifications are subject to alteration and are to be considered as an orientation, since each system is engineered and manufactured specifically according to your requirements. Other sizes available on demand.

\* Values can only be guaranteed after testing your original waste product.

<sup>1</sup> Non-binding approximate values for liquid-solid distillation of organic solvents with a maximum boiling point of 210 °C and a maximum solids content of 5%.

\*\* Optionally available with ⊕ II 1/2 G T3

