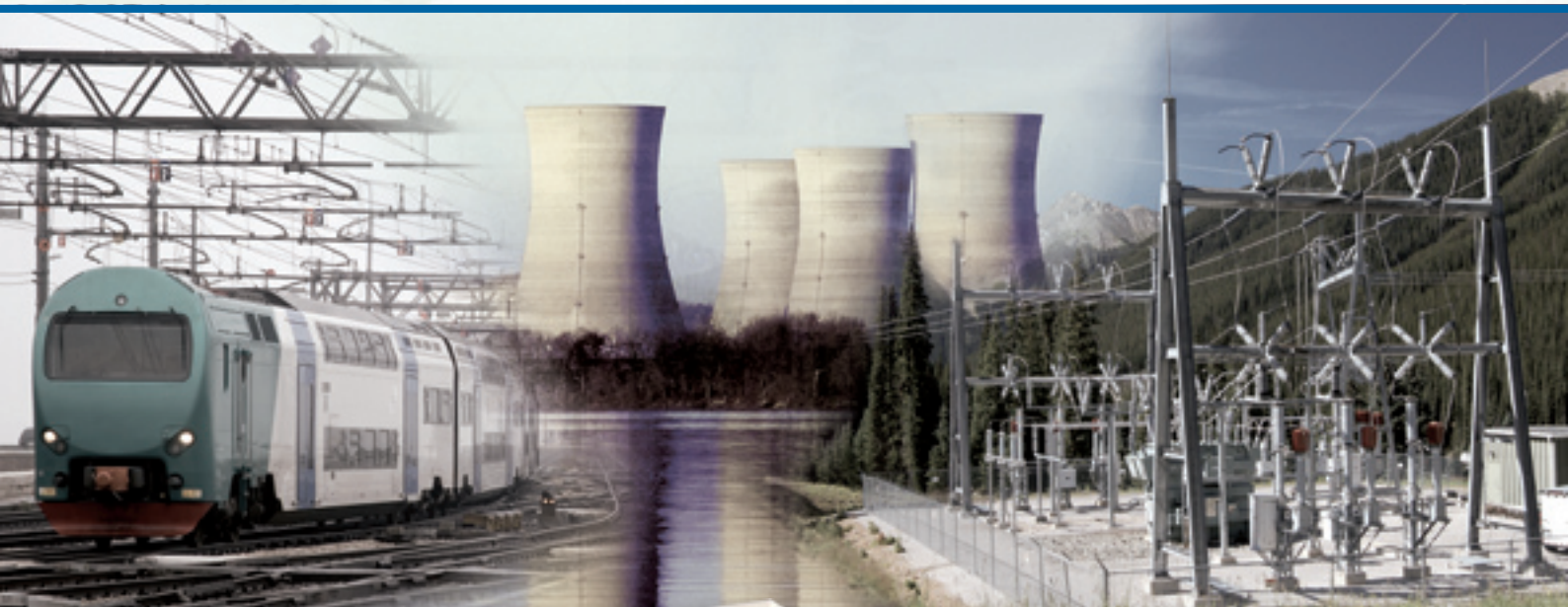


**VOKES**  
vokes-rpa.com



**Stream-Line®**  
Insulating Oil Treatment



## VOKES Stream-Line®



Stream-Line® Oil Treatment Plants have been manufactured for over eighty years and are in service with power generating, transmission and distribution authorities in over sixty countries worldwide.

Proven to be extremely efficient and economical to operate, continued research and development by VOKES means that Stream-Line® plants are still the most effective method of oil treatment available.

Although Stream-Line® plants are suitable for use with a wide range of oil based fluids, they are primarily supplied for the treatment of electrical insulating oil. Passing insulating oil through a Stream-Line® plant removes virtually all solid particles by either 'Edge-Type' (SL Range) or Cartridge (C Range) filtration, and dissolved water and gases by vacuum degassing.

### Applications for Stream-Line® Oil Treatment

Regular reconditioning using a Stream-Line® plant provides an economical alternative to replacing with new oil or using a contract oil treatment service. Stream-Line® plants can be used in the following ways to ensure the efficient operation of electrical equipment:

- **The reconditioning of oil and drying of electrical equipment by recirculation, as part of a regular maintenance programme**

This helps to ensure the reliability of electrical equipment by maintaining its optimum performance standards.

- **Subject to the observance of safety procedures, Stream-Line® plants can be used for the 'on-line' treatment of live transformers**

As a consequence transformer performance can be maintained without shutting-down and losing the capacity of the installation.

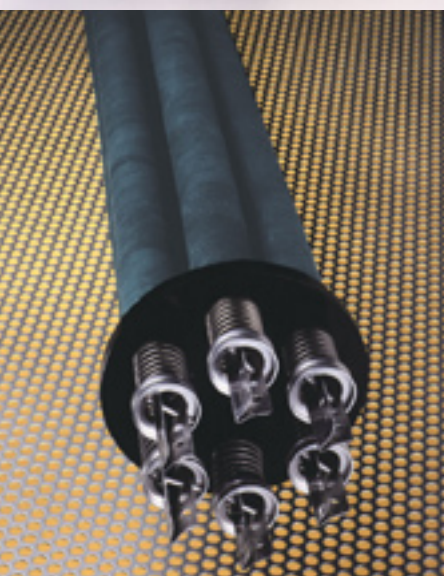
- **Full regeneration of the oil by removing accumulated acids using an additional deacidification unit**

The removal of accumulated acids avoids the risk of corrosion and the subsequent breakdown of critical components within electrical equipment.

- **Evacuating or 'drawing-down' transformers to remove contaminants prior to filling with clean oil**

Available as an optional extra, an additional vacuum pump can be fitted to remove moisture, gases and other contaminants prior to filling, and during filling and oil treatment.

Stream-Line® plants are also widely used for the filling of new and reconditioned transformers.



## Model Range

	Stream-Line® SL Range				Stream-Line® C Range		
Filtration Type	Backflushable Edge Type Pack				Disposable Filter Cartridge		
Model	SL05	SL10	SL20	SL40	C2000	C4000	C6000
Rated Capacity (litre/hour)	500	1000	2000	4000	2000	4000	6000

### Available Types - All Models

- **Fully Mobile**

Supplied with road going undergear suitable for normal paved roads. All Fully Mobile units are fitted with a weatherproof canopy as standard.

- **Semi Mobile**

Supplied with heavy duty industrial castors for movement on hard even surfaces.

- **Fixed**

Supplied on a fabricated base for permanent installation in a fixed location.

### Performance – All Models

- Water removal with BS148 mineral insulation oil from 50ppm to less than 5ppm in a single pass.
- Water removal with BS148 mineral insulation oil from 50ppm to less than 3ppm in three passes.
- Gas removal with BS148 mineral insulation oil from 10% by volume to 0.25% by volume in a single pass.
- Gas removal with BS148 mineral insulation oil from 10% by volume to 0.1% by volume in three passes.

### Standard Equipment – All Models

- Low Watt density heaters.
- Differential pressure measurement for filter vessel.
- Vacuum gauge for dehydration vessel.
- Thermostat and temperature gauge.
- Low flow alarm.
- High level [in vacuum chamber] alarm.

### Optional Extras

- Weatherproof Canopy for Semi Mobile and Fixed units.
- Flow Meter indicating litres of oil passed through the plant.
- Hose Sets for connection of plant to the transformer.
- Additional Vacuum Pump for transformer evacuation.
- Fuller's Earth deacidification unit.

# Stream-Line® Over 80 Years in Service



**VOKES** have been manufacturing **Stream-Line®** for over 80 years with thousands of units being installed worldwide.

Using state-of-the-art technology, **VOKES** carries out continuous testing and improvement to ensure **Stream-Line®** plants meet or exceed our customers' requirements.

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