



# «KLEENTEK

## Electrostatic Liquid Cleaner

«KLEENTEK ELCs employ a unique electrostatic cleaning method to remove all types and sizes of contaminants, providing unrivalled levels of oil cleanliness and machine reliability

### Removes Varnish

«KLEENTEK removes varnish deposits from system internals. If left inside the system these gradually reduce clearances and increase friction, leading to wear and erratic machine operation

- Reduces oil change costs by **90%**
- Reducing filter replacement costs by **80%**
- Reducing machinery failure costs by **56%**
- Reducing downtime costs by **80%**
- Reducing machine maintenance costs by **70%**



### Applications

- Turbine Lubes
- Hydraulics
- Compressors
- Gear Oils
- Transformers
- Heat Transfer Oils
- Paper Machine Oils

### Features

- Portable
- Operates On-line
- Low Running Costs
- Low Maintenance
- Cleans Oil to Sub-Micro Levels
- Removes Varnish

### Benefits

- Improves Reliability
- Extends Oil Life
- Protects Oil Additives
- Reduces System Wear
- Improves Work Environment
- Reduces Waste



### How it Works

Inside each cleaning chamber is a consumable Collector Element. Polar contaminants are attracted out of the oil by positive (+) and negative (-) electrodes and are then held in the collector





ELC-R3PSP



ELC-R6PSP



ELC-R10PSP



ELC-R25TP



ELC-R50TP



ELC-R100TP

## Technical Specification

Unit	Cleaning capacity guide, litres	Pump	Dimensions	Weight	Power	Collectors					
						Hydraulic oils, ISO VG	flow	l x w x d (mm)	Kg	cons	Type
	Standard**	l/mm			W						
ELC-R3PSP*	EU, IS	800	560	380	210	1.2	311 x 361 x 531	20	200	CC-R3SP	1
ELC-R6PSP*	EU, IS	1600	1120	760	420	1.2	359 x 386 x 531	23	200	CC-R3SP	2
ELC-R10SP	CE, IS	5000	3400	2200	1200	2.2	675 x 350 x 915	70	270	CC-R10SP	1
ELC-R25TP	CE, IS	12400	8600	5800	3200	3.7	675 x 350 x 950	72	320	CC-R25SP	1
ELC-R50TP	CE, IS	24000	16600	11200	6000	9	710 x 530 x 1080	108	760	CC-R50SP	1
ELC-R100TP	CE, IS	48000	33200	22400	12000	12	1070 x 515 x 1080	161	1000	CC-R50SP	2



Standard units are suitable for Mineral Oils, PAO, Di- and Polyol Esters and Vegetable Oils (for Phosphate Esters and Polyglycols special units are available)

Standard units available in 240V and 110V, or 3 phase on request

Max. temperature: 60°C (special units available for 80°C)

Max. viscosity: 600 cSt

Max. water content: 500ppm (=0.05%)

The above table shows the maximum oil cleaning capacity based on a continuous application. The values are approximate and are valid for normal hydraulic and lube systems.

\* This type of unit is also available without a pump.

\*\* The ELC-units are manufactured in the following standards:

IS = International Standard; CE = CE-marked for EU countries;

EU = dedicated units (for European machine makers)

Note! For systems with servo valves the above values should be reduced by 20%

For oils with detergents/dispersants of metal or amine type the above values should be reduced. OilCare can advise accordingly.

The life of the collector is normally 2000 hours. When initially cleaning a relatively high contaminated system, the life of the collector can be reduced

