



# ◀◀KLEENTEK

## Electrostatic Liquid Cleaner (ELC)

### Applications

- Hydraulics
- Circulating oils
- Compressors
- Heat transfer oils
- Any non-conducting fluid can be applied.
- Turbines
- Gear oils
- Transformers

### Features

Operates on-line

Cleans to sub-micron levels

Prevents deposits and cleans machine internals

Reduces friction

Reduces leaks

Robust and reliable

### Benefits

No need for machine shutdown

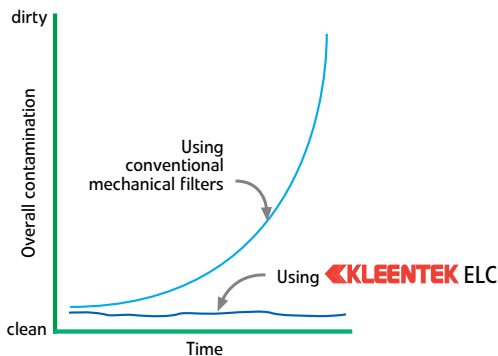
Helps prolong oil life

Reduces component failure and maintains clearances

Reduces wear and saves energy

Saves oil and improves working environment

Low maintenance costs



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

Where mechanical filtration is limited by the mesh pore size, ◀◀KLEENTEK employs a unique electrostatic system to collect all types and sizes of contaminants. This provides increased machine reliability and unrivalled levels of fluid cleanliness.



Inside each cleaning chamber is a consumable collector. 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-R10SP



ELC-R25SP



ELC-R50SP



ELC-R100SP

## Technical specification

Unit	Standard**	Cleaning capacity guide, litres hydraulic oils, ISO VG				Pump flow l/min	Dimensions l x w x d (mm)	Weight Kg	Power cons. W	Collectors	
		32	46	68	100					Type	PCs/ set
ELC-R3PSP*	EU, IS	800	560	380	210	1.2	311x361x531	20	140	CC-R3SP	1
ELC-R6PSP*	EU, IS	1600	1120	760	420	1.2	359x386x531	23	140	CC-R3SP	2
ELC-R10SP	CE, IS	5000	3400	2200	1200	2.2	675x350x915	70	150	CC-R10SP	1
ELC-R25SP	CE, IS	12400	8600	5800	3200	3.7	675x350x950	72	150	CC-R25SP	1
ELC-R50SP	CE, IS	24000	16600	11200	6000	9	710x530x1080	108	500	CC-R50SP	1
ELC-R100SP	CE, IS	48000	33200	22400	12000	12	1070x515x1080	161	600	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 85°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 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 to 500-1000 hours.



OilCare Limited  
 9 Millway, Old Mill Lane Industrial Estate  
 Mansfield Woodhouse, Nottinghamshire  
 NG19 9BG UK  
 Tel: +44 (0) 1623 889892  
 Email: enquiries@oilcare.com  
 www.oilcare.com