

A comprehensive solution for cleaning & analysis of hydraulic & lubricating oils

KLEENTEK FERROCARE

ELC

Electrostatic Liquid Cleaners

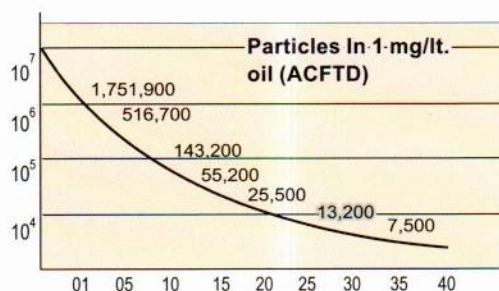
Electrostatic Liquid
Cleaning does efficiently
what mechanical
filtration can never do.

For removal of solid contaminants from oil

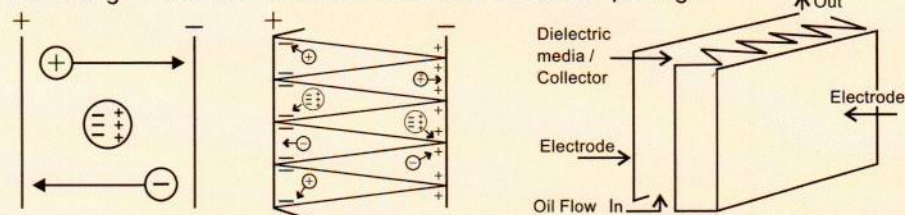
ELC 50C

ELC 100LP

ELC 25A

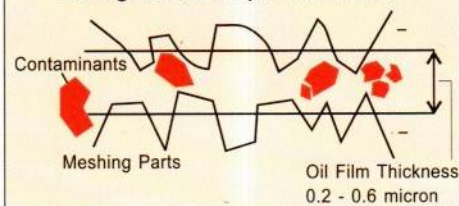


Working: The ELCs effectiveness lies in its simplicity.



As fluid flows through the cleaning cell, the particles deposit on either the negative or positive electrode. The ELC removes all sizes & types of particles including bacteria & virus.

Damage that small particles can do



KLEENTEK FERROCARE Cleaning range

Size	100µm	50µm	10µm	1µm	0.1µm	100°A
Strainer	→					
Filtration	→	→				
Centrifuge	→	→	→			
ELC Cleaning	→	→	→	→	→	→
						Virus & Carbon Black

Operating Conditions:

Mineral base oils, except IC engine oil
Moisture content 500 ppm max. for hydraulic oils. Temperature 60°C max.

Standard power source: 415V 3ø 50Hz

For high temperature applications & fire resistant fluids, suitable models are available.

Introducing the ELC -® Series



®600

- Engineered with enhanced Capacity & Speed.
- IOT enabled.



®200



®100

SELECTION GUIDE All figures are indicative only

Conventional Hydraulics (max. quantity)							
ISOVG	32	46	68	100	Dimensions (mm) (L x W x H)	Weight (kg)	Pump Flow (lit / min)
Type							
ELC 8LP	2500L	1700L	1100L	600L	610 x 480 x 540	70	2
ELC 25A	6000L	4200L	2800L	1500L	800 x 505 x 680	100	3.5
ELC 50C	12000L	8300L	5600L	3000L	780 x 505 x 880	140	10
ELC 100LP	30000L	20000L	14000L	7600L	920 x 630 x 950	180	10
ELC R25	7,000L	5,000L	3,000L	2,000L	690 X 450 X 800	90	3.5
ELC 50R	15,000L	10,000L	7,500L	4,000L	690 X 450 X 800	110	10
ELC R100	30,000L	20,000L	14,000L	7,600L	690 X 500 X 1100	120	10
ELC R200	30,000L	20,000L	15,000L	8,000L	1140 X 500 X 1170	180	20
ELC R400	60,000L	40,000L	30,000L	16,000L	1250 X 1060 X 1170	360	30
ELC R600	1,20,000L	80,000L	60,000L	32,000L	1705 X 1060 X 1200	450	50

Specifications subject to change without prior notice.

NAS 1638 Contaminants' Specifications (per 100 mL)

	00	0	1	2	3	4	5	6	7	8	9	10	11	12
5-15µm	125	250	500	1,000	2,000	4,000	8,000	16,000	32,000	64,000	128,000	256,000	512,000	1,024,000
15-25µm	22	44	89	178	356	712	1,425	2,850	5,700	11,400	22,800	45,600	91,200	182,400
25-50µm	4	8	16	32	63	126	253	506	1,012	2,025	4,050	8,100	16,200	32,400
50-100µm	1	2	3	6	11	22	45	90	180	360	720	1,440	2,880	5,760
> 100µm	0	0	1	1	2	4	8	16	32	64	128	256	512	1,024

For Missiles

For Servo Valves

For CNC M/c

New Oil

For NAS 7 and better, derate the above max. quantities by 50%.

All ELC units
offered with IOT &
MODBUS Processors

Transmit data to your android
phone or computer in real time.