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.

**Applications**

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

**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.

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.
## Technical specification

<table>
<thead>
<tr>
<th>Unit</th>
<th>Cleaning capacity guide, litres hydraulic oils, ISO VG</th>
<th>Pump flow l/min</th>
<th>Dimensions l × w × d (mm)</th>
<th>Weight Kg</th>
<th>Power cons. W</th>
<th>Type</th>
<th>Collectors PCs/ set</th>
</tr>
</thead>
<tbody>
<tr>
<td>EOC-R3PSP*</td>
<td>32 46 68 100</td>
<td>1.2</td>
<td>311x361x531</td>
<td>20</td>
<td>140</td>
<td>CC-R3SP</td>
<td>1</td>
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<tr>
<td>EOC-R6PSP*</td>
<td>1600 1120 760 420</td>
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<td>359x386x531</td>
<td>23</td>
<td>140</td>
<td>CC-R3SP</td>
<td>2</td>
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<tr>
<td>EOC-R10SP</td>
<td>5000 3400 2200 1200</td>
<td>2.2</td>
<td>675x350x915</td>
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<td>EOC-R25SP</td>
<td>12400 8600 5800 3200</td>
<td>3.7</td>
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<td>72</td>
<td>150</td>
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<tr>
<td>EOC-R50SP</td>
<td>24000 16600 11200 6000</td>
<td>9</td>
<td>710x530x1080</td>
<td>108</td>
<td>500</td>
<td>CC-R50SP</td>
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<td>EOC-R100SP</td>
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<td>1070x515x1080</td>
<td>161</td>
<td>600</td>
<td>CC-R50SP</td>
<td>2</td>
</tr>
</tbody>
</table>

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. Fortum 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.