

All cartridges listed in this section are available in various sizes and flow rates depending on your particular application.

# Cartridge Selection Table\*

\*NOTE: This table is intended only as a useful reference tool. Final cartridge selection must also consider the ingress rate and protection requirements of the application.

Cartridge Type	Application	Fluid Types	Contaminants To Be Removed
<b>Microguard pleated paper</b>	Close tolerance hydraulic Refrigeration compressors (tube & coolant) Gas turbines Centrifugal lubrication couplings High-pressure fluid filtration Test stands	Insulating oil Lapping oil Hydraulic oil Fuel oil Coolants Bearing packing grease	Very fine particulate matter
<b>Safeguard 3 pleated paper</b>	Hydraulic systems Test stands	Hydraulic oil	Fine particulate matter
<b>Safeguard 5 pleated paper</b>	Diesel, gas, or dual fuel engines Compressors Paper machines Turbo chargers Low-pressure hydraulic Turbine lube Bearings Test stands	Ethylene Fuel oil Seal oil Quench oil Amine Gear lube Draw oil Roll oil Natural gas Nitrogen Butane	Particulate matter
<b>Safeguard 10 &amp; 20 pleated paper</b>	Diesel, gas, or dual fuel engines Compressors-lube	Fuel oil Coolant Cutting oil Seal oil Lube Oil	High contaminant level of particulate matter
<b>Hilsorb pleated paper</b>	Transformers Circuit breakers Voltage regulators Load tap changers	Insulating oil Hydraulic oil	Water and some fine particulate matter
<b>Hilite fuller's earth</b>	Transformers Vacuum pumps Diffusion pumps EDM machines Refrigeration compressors	Roll oil Heat transfer fluid Draw oil Seal oil Insulating oil Coolant	Acid Varnish Tar Lacquer Gum Particulate matter
<b>Hilite-A activated alumina</b>	Hydraulic systems Transformers Vacuum pumps Diffusion pumps EDM machines	Fire-resistant synthetic fluids Phosphate esters Per-flourinated polyester (fomblin fluids)	Acid Varnish Tar Lacquer Gum Particulate matter
<b>Selexsorb</b>	Gas turbines Steams turbines EHC control systems	Phosphate ester hydraulic fluids Lubricants	Acid Metal Water
<b>PH pleated synthetic media</b>	Diesel, gas or dual fuel engine turbine lube	Amines Lube and seal oil EDM coolants Fuel oils Glycol Hydraulic fluids	Particulate
<b>Saflow &amp; Saflow D disc</b>	Speed reducers Diesel, gas, or dual fuel engines Gas compressors w/ common lube systems Gun drilling Frequent cold starts Oil bath or air filters	Hydraulic oil Quench oil Insulating oil Lube oil Edible oil Air filter liquid	Particulate and small amount of water