

Kidney Loop - Compact

**Filter highly contaminated hydraulic fluid effortlessly
with the NEW KLC Offline Filters**



Schroeder's new series of Kidney Loop- Compact (KLC) filters are designed to filter highly contaminated hydraulic oils efficiently and cost effectively offline. The KLC is designed for use containing up to 100 gallons and is perfect for retrofit situations when additional filtration is required. This compact filter is easy to install and ideal for gear boxes. They are supplied as ready to install offline unit complete with pump/motor assembly.

Benefits

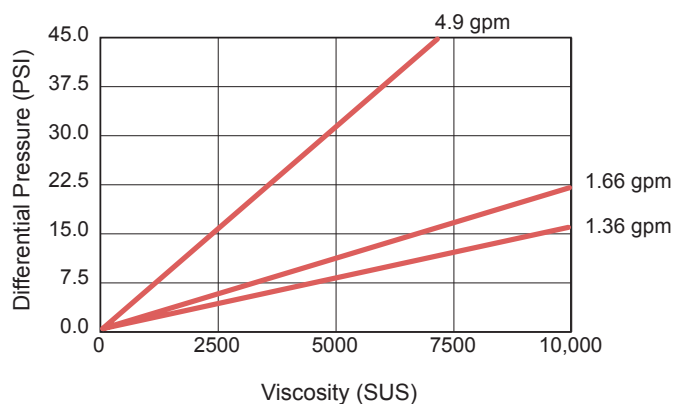
- Lower operating costs
- Extended element service life
- Extended fluid life
- Cleaner and more efficient systems
- Incinerable elements
- Easy Installation
- High dirt holding capacity
- Require low volume of oil

Applications

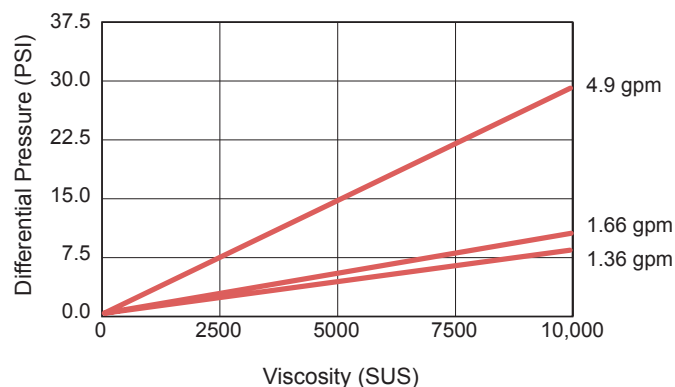
- Injection molding machines
- Machine tools
- Gear boxes
- Mobile equipment
- Filtration of fluids for intermittently operated hydraulic systems and test stands

Pressure Drop Curves

KLE02 (2m element without water retention)



KLE20 (20m element without water retention)



Kidney Loop Compact Specifications

Operating Range

Viscosity: KLC04 KLC05 KLC15	to 10,000 SUS to 700 SUS to 3,000 SUS
Operating Pressure:	45 psi (3 bar) max.
Suction Pressure:	11" Hg (-0.4 to 0.6 bar) max
Fluid Temperature:	32 to 175° F (0 to 80° C)
Ambient Temperature:	-4 to 104° F (-20 to 40° C)
Seals:	NBR (standard)
Maximum Flow Rate: KLC04 KLC05 KLC15	1.3 gpm 1.6 gpm 4.9 gpm
Fluids:	Standard Mineral Oils, Water/Oil Based Fluids (min. 40% oil in fluid), Consult Factory for Other Fluids

Element

Media	Membrane With or Without Water Removal Capability - (2µm, 20µm)
Dirt Holding Capacity	200g ISO MTD (N5DM...) / 185g ISO MTD (N5AM...)
Water Retention	Approximately 0.5 quarts (0.5 liters)
Beta Ratio	βx > 1000
Maximum ΔP	45 psi (3 bar)
Connections with pump/motor KLC04 KLC05 KLC15	Inlet & Outlet: SAE 16 (BSPP G1) Inlet & Outlet: 3/4 SAE 8 (BSPP G1/2) Inlet & Outlet: SAE 8 (BSPP G1)
Weight KLC04 KLC05 KLC15	24.3 lbs (11.0 kg) 15.5 lbs (7.0 kg) 24.3 lbs (11.0 kg)

Note: SAE connections when using supplied adapters; BSPP connections when supplied adapters are not used. Housing drain standard on all models.

Model Number Selection

Model	Pump Type	Voltage	Element	Indicator
KLC04 KLC15	V= Vane Pump	1= 12VDC 2= 24VDC 3= 115V single phase 4= 220V single phase 5= 220/440V 3 phase	2= 2 micron 20= 20 micron A02= 2 micron w/ water removal A20= 20 micron w/ water removal	F= Static Electrical Switch VD= Differential Visual ED= Differential Electrical EVD= Differential Visual/Electrical
KLC05	V= Vane Pump F= Flow Control Valve (pump & motor not included)	1= 12VDC 2= 24VDC 3= 115V single phase 4= 220V single phase 5= 220/440V 3 phase	2= 2 micron 20= 20 micron A02= 2 micron w/ water removal A20= 20 micron w/ water removal	G= Standard Gauge F= Static Electrical Switch

Example: KLC04-V-3-20-VD



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