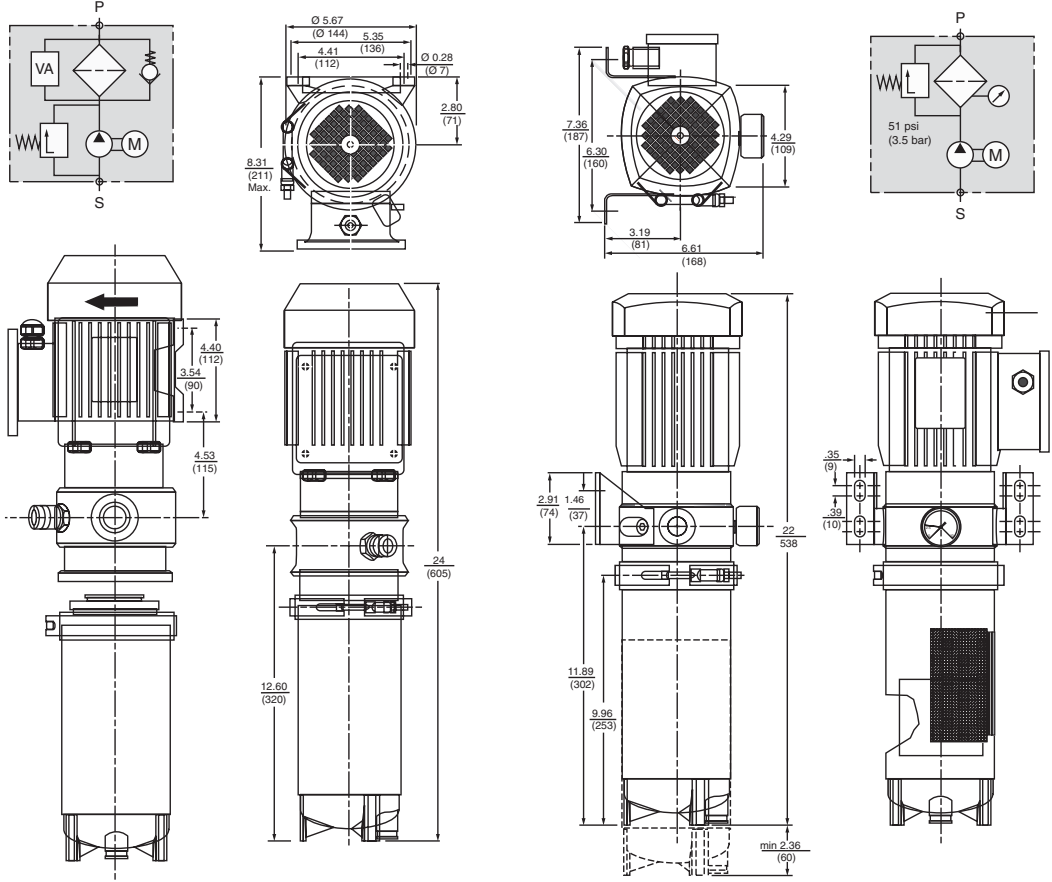


Kidney Loop Systems

KLC



Metric dimensions in ().

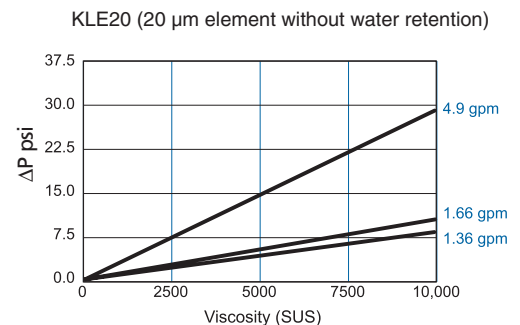
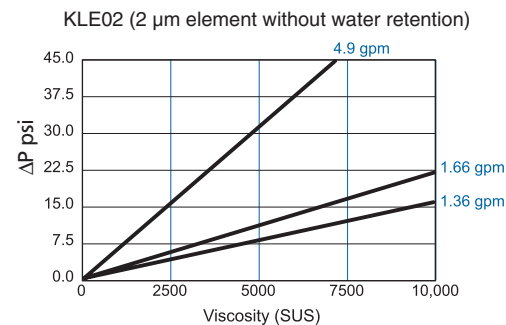
Description

Schroeder's new series of Kidney Loop - Compact (KLC) filters are designed to filter highly contaminated hydraulic oils efficiently and cost effectively off-line. 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 off-line units complete with pump/motor assembly.

Features

- Lower operating costs
- Extended element service life
- Extended fluid life
- Cleaner and more efficient systems
- Easy installation
- High dirt-holding capacity
- Requires low volume of oil

Pressure Drop



Kidney Loop Systems

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

Applications

TCM
TCM-FC
TMU
TPM
TIM

Specifications

CTU
TWS-C
ET-100-6
HMG 3000
EWC
EPK
HTB
GS

Viscosity:	KLC04 to 10,000 SUS KLC05 to 700 SUS KLC15 to 3,000 SUS
Operating Pressure:	45 psi (3 bar) max
Suction Pressure:	11" Hg (-0.4 to 6 bar) max
Fluid Temperature:	32°F to 175°F (0°C to 80°C)
Ambient Temperature:	-4°F to 104°F (-20°C to 40°C)
Seals:	Buna N
Maximum Flow Rate:	KLC04 1.3 gpm KLC05 1.6 gpm KLC15 4.9 gpm
Fluids:	Standard mineral oils, water/oil based fluids (min 40% oil in fluid), Consult factory for other fluids
Media:	Membrane with or without water removal capability - (2 µm, 20 µm)
Dirt Holding Capacity:	200g ISO MTD / 185g ISO MTD
Water Retention:	Approximately 0.5 quarts (0.5 liters)
Beta Ratio:	βx > 1000
Maximum ΔP:	45 psi (3 bar)
Connections with Pump/Motor:	KLC04 Inlet & Outlet: SAE 16 (BSPP G1) KLC05 Inlet & Outlet: SAE 8 (BSPP G1/2) KLC15 Inlet & Outlet: SAE 8 (BSPP G1)
Weight:	KLC04 24.3 lbs (11.0 kg) KLC05 15.5 lbs (7.0 kg) KLC15 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.

How to Build a Valid Model Number for a Schroeder KLC:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
KLC04	V	3	20	VD

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
Model	Pump Type	Voltage	Element	Indicator
KLC04 KLC05 KLC15	V = Vane Pump F* = Flow Control Valve (pump and motor not included)	1 = 12VDC 2 = 24VDC 3 = 115V single phase 4 = 220V single phase 5 = 220/440V 3 phase	2 = 2 micron 10 = 10 micron 20 = 20 micron A02 = 2 micron with water removal A20 = 20 micron with water removal	F = Static Electrical Switch VD** = Differential Visual ED** = Differential Electrical EVD** = Differential Visual/Electrical G* = Standard Gauge

Notes:

*Only available with KLC05.

**Only available with KLC04 and KLC15.

Model Number Selection

Trouble Check Plus
Test Points
Adapters
Hose Joiners
Microflex Hose
Pressure Limiters
Pressure Gauges
Test Kits
Probalizer
Filtration Station
MFS, MFD
AMS, AMD
KLS, KLD
AKS, AKD
KLC
X Series
MTS
HFS
SVD
TDS
IXU
Appendix