

OLF Compact

Offline Filtration Systems

Formally Known as "KLC - Kidney Loop Compact Systems"



Features and Benefits

- 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

Applications

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

Description

Schroeder's OFFLINE FILTRATION SYSTEMS - OLF are designed to filter highly contaminated hydraulic oils efficiently and cost effectively off-line. The OLF is designed for use on hydraulic systems with a reservoir of up to 1000 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.

Specifications

Viscosity:	OLF-5/4	to 10,000 SUS
	OLF-5	to 700 SUS
	OLF-5/15	to 3,000 SUS
Operating Pressure:	45 psi (3 bar) max	
Suction Pressure:	-6 psi to 87 psi 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:	OLF-5/4	1.3 gpm
	OLF-5	1.6 gpm
	OLF-5/15	4.9 gpm
Fluids:	Standard mineral oils, water/oil based fluids (min 40% oil in fluid), Consult factory for other fluids	
Media:	Dimicron with or without water removal capability - (2 µm, 20 µm)	
Dirt Holding Capacity:	200g ISO MTD (KLExx particulate elements) / 185g ISO MTD (KLEAxx water elements)	
Water Retention:	Approximately 0.5 quarts (0.5 liters)	
Beta Ratio:	β _x > 1000	
Maximum ΔP:	45 psi (3 bar)	
Connections with Pump/Motor:	OLF-5/4	1 5/16" -12 SAE Female Straight Thread
	OLF-5	3/4" -16 SAE Female Straight Thread
	OLF-5/15	1 5/16" -12 SAE Female Straight Thread
Weight:	OLF-5/4	24.3 lbs (11.0 kg)
	OLF-5	15.5 lbs (7.0 kg)
	OLF-5/15	24.3 lbs (11.0 kg)

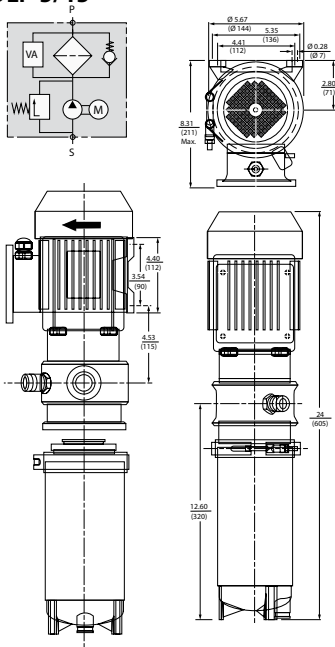
Note: SAE connections when using supplied adapters; BSPP connections when supplied adapters are not used. Housing drain standard on all models.

Offline Filtration Systems

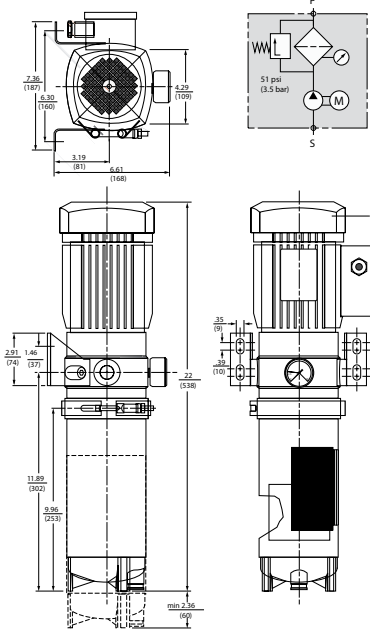
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OLF-5/4 | OLF-5/15

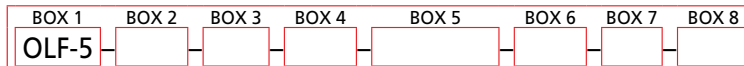


OLF-5

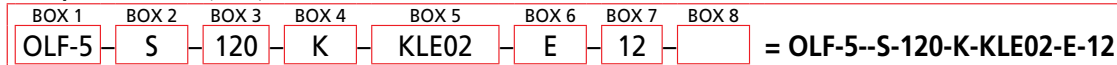


Metric dimensions in ().

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



Example: NOTE: One option per box



Model Number Selection

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	BOX 8	
Series OLF-5 = Series 5 (1.6 gpm) OLF-5/15 = Series 15 (4.9 gpm) OLF-5/4 = Series 15 (1.3 gpm) OLFCM-5/15 = With Fluid Condition Monitoring	Pump Type S = Vane Pump* (standard) TV = Toploader with Motor (available for OLF-5/15 & OLFCM-5/15 only) E = Flow control valve (series 5 only)	Power Consumption 120 = 120W for all OLF-5 200 = 200W for all 24VDC 370 = 370W for all Series 5/15 & 5/4 Z = without pump/motor (series 5 only)	Voltage K = 115V single phase M = 220V single phase N = 440V 3 phase T = 12VDC U = 24VDC	Element KLE02 = 2 micron KLE05 = 5 micron KLE10 = 10 micron KLE20 = 20 micron KLEA02 = 2 micron with water removal KLEA20 = 20 micron with water removal	Clogging Indicator E = Standard gauge (series 5 & 5/4 only) BM = Differential visual C = Differential electrical D = Differential electrical/visual D4 = Differential electrical/visual with 24VDC Lamp DL110 = Differential electrical/visual with 115VAC Lamp	VM2BM.1 (series 5/15 & 5/4 only) VM2C.0 (series 5/15 & 5/4 only) VM2C.0L... (series 5/15 & 5/4 only)	Mechanical Connections 12 = SAE Connections (standard)	Supplementary Details C = with ContaminationSensor CS 1310 (without display; OLFCM only) CD = with ContaminationSensor CS 1320 (with display; OLFCM only) AC = with ContaminationSensor CS 1310 and AquaSensor AS 1000 (without display; OLFCM only) ACD = with ContaminationSensor CS 1320 and AquaSensor AS 3000 (with display; OLFCM only)

Consult Factory for special options. Not all combinations available.

- CS 1000
- CS 1939
- CSI-C-11
- HY-TRAX®
- RBSA
- CSM
- FCU
- MCS
- AS
- SMU
- CTU
- EPK
- Trouble Check Plus
- HMG2500
- HMG4000
- ET-100-6
- HTB
- RFSA
- HFS-BC
- HFS-15
- MFD-BC
- MFS, MFD
- HY-TRAX® Retrofit System
- MFD-MV
- MFS-HV
- AMS, AMD
- FS
- AMFS
- KLS, KLD
- MCO
- AKS, AKD
- LSN, LSA, LSW
- X Series
- OLF Compact**
- OLF
- OLF-P
- NxTM
- VEU-F
- IXU
- Triton-A
- Triton-E
- NAV
- SVD01
- SVD
- OXs
- Appendix