

HYDRAULIC OIL FILTRATION SKID SYSTEMS

The KP10 and KP30 stationary skid systems are supplied with two large filters in a double-stage arrangement, providing an extra level of fluid purity. As an option, a portability kit can be added to the KP10 and KP30 lube oil and hydraulic oil filtration systems.



KP Series Oil Filtration System



The KP10-2-S-V636 and KP30-001-V636 oil filtration systems support long-term equipment operation by reducing the probability of oil-related failures or unscheduled maintenance due to contaminated oil.

A factor in industrial oil reliability is the control and removal of undesired contamination. When contamination invades oil, protection of the rotating components is placed at risk and equipment performance is jeopardized.

Kaydon Filtration manufactures oil filtration systems to remove harmful contamination from lube oil used at industrial locations, such as steam, combustion, or hydroelectric power plants, steel/aluminum mills, or paper mills. The Kaydon Filtration KP series of oil filtration systems provide continuous and persistent oil filtration service and adds additional benefit during shutdown by quickly preparing the oil for equipment start-up.

The KP10-2-S-V636 and KP30-001-V636 oil filtration systems are available with a wide array of options. Contact Kaydon Filtration technical support to discuss your specific requirements.

Applications

Lube Oil

Hydraulic Oil

Features

Sample Port

Air Release Valve

Single-skid Mounting with Forklift Points

On/Off Control Switch for Motor

Benefits

Allows for oil sampling during system operation for test and analysis

Efficiently remove trapped air in the filter vessels to enable complete use of the element

Conveniently designed on a single skid for accessible system positioning; includes drip containment rim, drain port and mounting tabs



KP Series Oil Filtration System

Specifications and Details

Flow Rate (Maximum)	Part #	gpm	lpm
	KP10-2-S-V636 KP30-001-V636	10 30	38 114
Reservoir Sizing	Part #	Gallons	Liters
	KP10-2-S-V636 KP30-001-V636	≤ 600 ≤ 1,800	≤ 2,270 ≤ 6,810
Environmental Parameters	NEMA 4 / IP54 Minimum Temperature: 32° F / 0° C Maximum Temperature: 104° F / 40° C		
Operating Voltage	460 VAC / 3 PH / 60 HZ / 35 AMPS		
Pump/Motor Assembly	Part #	Pump	Motor
	KP10-2-S-V636 KP30-001-V636	Gear - positive displacement Gear - positive displacement	2 HP / 1.49 KW 5 HP / 3.7 KW
Materials of Construction	Metals: Carbon Steel, Bronze, Stainless Steel Elastomers: Buna-N Paint: Epoxy		
Pressure Vessel	Carbon Steel Elastomers: Viton Paint: Epoxy		
Inlet/Outlet Connections	Type	Inlet	Outlet
	NPT	2 inch / 51 mm	1.5 inch / 38 mm
Dimensions	Part #	Inches (L x W x H)	mm (L x W x H)
	KP10-2-S-V636 KP30-001-V636	48 x 35 x 55 54 x 35 x 51	1220 x 889 x 1397 1372 x 889 x 1303
Weight (approximate)	475 lbs / 215 kg		
Maximum Operating Pressure	100 psig 7 BAR		
Fluid Compatibility	Mineral base lube oils (maximum viscosity = ISO 460)		
Performance	Part #	Particulate	
	KP10-2-S-V636 KP30-001-V636 System pre-installed : 11μ and 7μ filter elements	ISO Cleanliness Code 18/16/13 ¹ ISO Cleanliness Code 17/15/13 ¹	
Filter Stages	1st Stage	particulate removal	
	2nd Stage	water removal or polishing	

1. As measured with in-line automatic particle monitor calibrated to ISO 11171 and influent no greater than ISO 22/19/17.
All design specifications are subject to change without notice.