

PARTICULATE AND COALESCING FILTRATION

Kaydon designs and manufactures oil and fuel filtration vessels applicable for almost any low-pressure hydrocarbon filtration application.

The Model 980 and 981 are durable and robust inline pressure or return line (1,200 psig maximum) filter assemblies used for oil and fuel filtration applications. The Model 980/981 vessels are suitable for use with hydraulic systems used in small industrial hydraulic power units, small lube systems, and diesel fuel transfer where larger filtration assemblies are not practical. The Model 980/981 series is a substitute for spin-on type filters where extra protection and a more rugged design are desired.

The Model 111 and Model 112 oil and fuel filtration filter vessels are designed to offer a cost-effective solution for general purpose industrial oil and fuel filtration applications. The vessels are constructed of aluminum, making them lightweight and easy to install, yet rugged and durable to withstand corrosive environments. The Model 111 and Model 112 filtration vessels provide an economical solution for general purpose oil and fuel filtration applications.

The Model V-618 and V-636 oil and fuel filtration filter vessels are engineered to offer a high quality solution for industrial oil and fuel filtration applications. The V Vessels are rugged, heavy-duty, carbon steel constructed. The Model V vessels are designed to provide oil filtration or fuel filtration for a wide range of industrial applications.

The VKS Vessel family of filtration vessels are all carbon steel construction and designed to the latest edition of the ASME pressure vessel code. VKS filtration vessels are designed for in-line flow applications where a heavy-duty design, rugged construction, and long-term durability are required. Operating conditions, such as repeated shock and vibration, do not affect the filtration element or its secure seating.



Model VKS and VKS Duplex Oil and Fuel Filter Vessels

The Model VKS and VKS Duplex oil and fuel filtration filter assemblies are designed to offer a high quality solution for a wide range industrial oil and fuel filtration applications. They are rugged, heavy-duty, carbon steel constructed; designed and built per ASME Code to provide reliable and long-term use in any industrial environment. The VKS vessels work with a variety of Kaydon elements used in general or critical purpose oil or fuel filtration as well as water absorption from oils or fuel. Contact Kaydon technical support for specific element selection, particle performance ratings, and ISO Cleanliness Codes.

Applications

Power Plants –	turbine oil, gear oil, and diesel fuel
Pulp and Paper Mills –	paper machine oil and hydraulic oil
Steel and Aluminum Mills –	rolling mill lube system oil, gear oil, hydraulic oil, and cutting oil
Marine –	engine oil and diesel fuel
Mining –	crusher lube system oil and diesel fuel
Refinery and Chemical Plants –	compressor and turbine oil
Fueling Terminals –	diesel fuel
General Industry –	industrial oils and diesel fuel

Features

Heavy-duty, carbon steel, ASME Code construction

Straightforward, standpipe design

Single-piece element hold-down tool

Equipment protection for oil and diesel fuel

Benefits

Provides reliability over long-term use in any industrial environment

Prevents fluid by-pass with proper element alignment

Secure element sealing and allows for quick element replacement



VKS-1



VKS-2



VKS-6



VKS-10



VKS-1-DP / VKS-2-DP

Model VKS and VKS Duplex Oil and Fuel Filter Vessels

Specifications and Details

Environmental Parameters	Minimum Temperature: 0° F / -17° C Maximum Temperature: 120° F / 49° C			
Materials of Construction	Metals: Carbon Steel / Bronze Elastomers: Viton Exterior Paint: Epoxy Interior Coating: Epoxy			
Inlet/Outlet Connection	Model #	Inlet	Outlet	Type
	VKS-1	1.5 inch	1.5 inch	NPT
	VKS-2	2 inch	2 inch	NPT
	VKS-6	3 inch	3 inch	150 lb. RF Flange
	VKS-10	4 inch	4 inch	150 lb. RF Flange
	VKS-16	6 inch	6 inch	150 lb. RF Flange
	VKS-1-DP	1.5 inch	1.5 inch	150 lb. RF Flange
	VKS-2-DP	2 inch	2 inch	150 lb. RF Flange
Maximum Operating Pressure	150 psig / 10.3 BAR			
Maximum Operating Temperature	250° F / 121° C			
Fluid Compatibility	Mineral Base Oils and Fuels, (Diesel #1 & #2)			
Weight (approximate)	Model #	lbs.	kgs.	
	VKS-1	100	46	
	VKS-2	130	59	
	VKS-6	450	205	
	VKS-10	825	375	
	VKS-16	1,125	510	
	VKS-1-DP	415	190	
	VKS-2-DP	480	220	
Dimensions	Model #	Inches (L x W x H)	mm (L x W x H)	

All design specifications are subject to change without notice.

