

# 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 111 and 112 Oil and Fuel Filter Vessels

The Model 111 and 112 oil and fuel filtration filter vessels are designed to offer a rugged and durable, yet cost-effective, solution for general purpose industrial oil and fuel filtration applications. The vessels are constructed from heavy-duty aluminum, providing reliability and extended use. They are available with optional wall mount, floor mount and differential pressure gauge.

The Model 111 or 112 filter vessel can be installed in lube oil systems, hydraulic return line circuits, transformer oil purification systems, gearbox lube systems, coolant fluid systems, process systems or diesel fuel transfer equipment.

### 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 aluminum construction

Straightforward design

Equipment protection for oil and diesel fuel

### Benefits

Lightweight and easy to install, yet rugged, providing reliability over long-term use

User-friendly without complicated instrumentation and hard-to-use filter element sealing methods

Designed to protect components in the oil system and guard against contamination entering the diesel engine





## Specifications and Details

Flow Rate Range Maximum Flow	Model #	gpm	lpm
	111 112	25 50	95 190
Environmental Parameters	Minimum Temperature: 0° F / -17° C Maximum Temperature: 120° F / 49° C		
Materials of Construction	Metals: Aluminum and Bronze Elastomers: Buna-N Exterior Paint: Epoxy		
Inlet/Outlet Connection	1.5 inch NPT		
Maximum Operating Pressure	200 PSIG / 13.7 BAR		
Maximum Operating Temperature	250° F / 121° C		
Fluid Compatibility	Mineral Base Oils and Fuels, (Diesel #1 & #2)		
Weight (approximate)	Model #	lbs.	kgs.
	111 112	23 33	11 15
Dimensions	Model #	Inches L x W x H	mm L x W x H
	111 112	9.25 x 9 x 25 9.25 x 9 x 43	235 x 228 x 635 235 x 228 x 1095

All design specifications are subject to change without notice.

