



Oil and Fuel Filter Vessels

Model 511 and 512

The Model 511 and 512 oil and fuel filtration filter vessels are designed to offer an operator friendly solution for industrial oil and fuel filtration applications. The 511 and 512 vessels are rugged, heavy-duty, carbon steel constructed, and utilize an unique "T" top handle for filter element replacement. The Model 511 and 512 vessels are designed to provide oil filtration or fuel filtration for a wide range of industrial applications. The Model 511 and 512 vessels can be used in the following locations:

Power Plants – turbine oil, gear oil, and diesel fuel
 Pulp & 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 – lube oil, hydraulic oil, transformer oil, and diesel fuel



BENEFITS

- o Operator Friendly: The "T" top handle makes the element change-out procedure quick and simple. No tools are required. Element change-out is performed in two minutes.
- o Positive Element Sealing: As the operator is closing the vessel lid by twisting the "T" top handle, the "T" top spring compresses against the element sealing plate, which provides a secure seal against fluid bypass.

o Reduced Fluid Resistance: Pressure drop through the 511 or 512 vessel is minimized, creating longer element life, and less strain on the pumping assembly.

Diesel Fuel # 2:

Model 511 with KM6018-2 at 50 gpm = less than 3 psid

Model 512 with KM6036-2 at 100 gpm = less than 4 psid

o Equipment Protection: The Model 511 and 512 vessels can be used in oil or diesel fuel applications

- > Oil - Protects components in your oil system
- > Diesel Fuel - Guards against contamination entering your diesel engine.

FOOTNOTES

(1) As measured with inline automatic particle monitor calibrated to ISO 11171 and influent no greater than ISO 20/19/16

(2) Required for element changes.

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SPECIFICATIONS & DETAILS

Pressure and Temp.	500 PSIG (35 BAR) at 250 F (121 C) (maximum allowable operating pressure)
Environmental Parameters	Minimum Temperature: 0 F (-17 C) Maximum Temperature: 120 F (49 C)
Materials of Construction	Metals: Ductile Iron, Carbon Steel and Bronze Elastomers: Buna-N Exterior Coating: Epoxy (weather and corrosion resistant) Interior Coating: Rust Preventative (Epoxy - option)
Inlet/Outlet Connections	Standard: 2 inch NPT Optional: 2 inch or 2.5 inch SAE 4-Bolt Flange
Fluid Compatibility	Mineral Base Oils and Fuels (diesel # 1 and #2)
Weight	511: 88 lbs (40 kgs) / 512: 123 lbs (56 kgs)
Dimensions	511: 10 inches L x 10 inches W x 29 inches H (254 mm L x 254 mm W x 740 mm H) 512: 10 inches L x 10 inches W x 47 inches H (254 mm L x 254 mm W x 1200 mm H)
Element Selection Model 511	General Purpose Oil or Fuel Filtration: KF6018-05 / KF6018-5 / KF6018-10 / KF6018-25 Critical Purpose Oil or Fuel Filtration: KM6018-02 / KM6018-05 / KM6018-2 / KM6018-3 / KM6018-8 / KM6018-15 Water Absorption from Oils or Fuel: KQD6018-6NS (max. flow for KQD6018-6NS: 15 gpm with ISO 32 oil)
Element Selection Model 512	General Purpose Oil or Fuel Filtration: KF6036-05 / KF6036-5 / KF6036-10 Critical Purpose Oil or Fuel Filtration: KM6036-02 / KM6036-05 / KM6036-2 / KM6036-3 / KM6036-8 / KM6036-15 Water Absorption from Oils or Fuel: KQD6036-6NS (max. flow for KQD6036-6NS: 30 gpm with ISO 32 oil)
Performance ⁽¹⁾	ISO Cleanliness Codes: KF60XX-05 - ISO 15/13/11 ISO Cleanliness Codes: KF60XX-5 - ISO 18/16/13 KM60XX-02 - ISO 15/13/10 KF60XX-10 - ISO 19/17/14 KM60XX-05 - ISO 15/13/11 KF6018-25 - ISO 19/18/15 KM60XX-2 - ISO 16/14/12 KM60XX-3 - ISO 16/15/13 KQD60XX-5 - ISO 18/16/13 KM60XX-8 - ISO 18/17/14 Water Removal to less than 200 ppm KM60XX-15 - ISO 19/18/15
Vessel Lid Seal ⁽²⁾	54M99 (Model 511 and 512)

OPTIONS

Description	Description	Description
Port Size (2 or 2.5 inch SAE flange)	Differential Pressure Device Inlet/Outlet Gauges or DP Gauge (switch optional)	Viton Seals
By-Pass Valve (15, 25, or 40 psid)		

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