

## Genuine filters



Komatsu Genuine Parts

Engine oil filter  
Fuel filter  
Air cleaner filter  
Hydraulic filter  
Cab/airco filter  
Maintenance kits

## About filters

### Importance of filters

Among the daily maintenance items, there is a surprising tendency to place little importance on the handling of the air cleaner and filters, most likely due to their simple structure. But despite this apparent simplicity, air cleaner and filters do play a vital role.

No matter how good the machine, it cannot perform well when it is used in a dusty environment without high quality filters, with unclean oil, or with fuel contaminated with dirt or water. The Komatsu air cleaner and filters remove dirt, dust, wear particles and other items that could potentially impact the overall performance of your Komatsu machine.

Superior quality Komatsu Genuine filters are designed and manufactured especially for Komatsu machines for absolute efficiency in high-pressure applications. Other 'will fit' products might indeed fit, but are not engineered to meet Komatsu's strict engineering specifications.



**Engine oil filter**

Removes dirt and moisture to enable oil to lubricate, clean, cool and seal moving engine parts.



**Fuel filter**

Removes dirt and moisture in the fuel before fuel enters the injection pump and injection nozzles.



**Air filter**

Prevents dust from entering while providing clean air to the engine.



**Hydraulic filter**

Removes metal contaminants caused by wear of sliding parts in hydraulic circuit of machine.



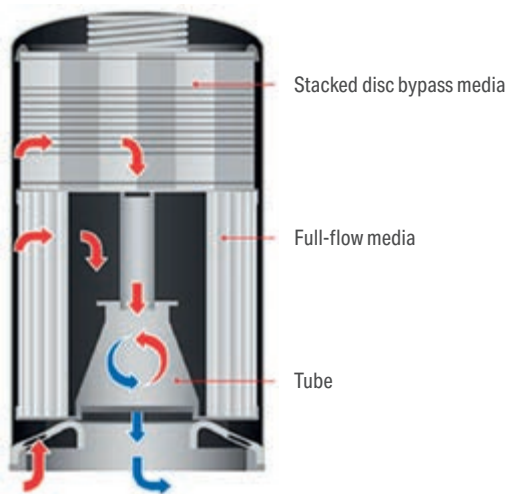
**Cabin air filter**

Keeps dust from entering machine cab, providing fresh air for operator.

## Komatsu engine oil filter

### Full-flow combination filters

- Bypass stacked disks made from compressed fiber media that removes 3 times as much contaminants as full-flow media. Effective against organic contaminants such as sludge and soot.
- Full-flow, multi-layered media designed for finer filtration. Effective against inorganic contamination such as dust and engine wear particles.
- Conical shaped tube outlet allowing 3-4 times more total capacity than full-flow only type filters.
- Heavy internal spring provides excellent pressure to ensure internal gaskets are sealed properly.



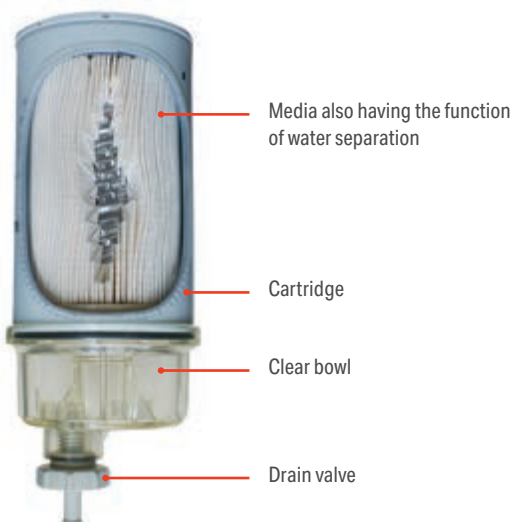
# Komatsu fuel filter



### Fuel filters

- Two filtration stages, an outer element providing protection against coarse or large particles and an inner element for fine or smaller particles. Both elements made of 100% polymer media.
- Inner support center tube is non metallic which leaves no chance for corrosion or metal burrs.
- Main filter is designed to endure high pressure and provides a high efficiency, particulate filtration.
- Pre-fuel filter removes water and bigger particles before entering the pump.

#### Fuel pre-filter



## Komatsu air filter

### Air filters

#### Outer main element

- Heavy duty radial seal gasket does not degrade under extreme temperatures, changes in restrictions or vibration.
- Raised ring holds the filter in place to prevent vibration.
- Metal outer liner provides a solid design to keep the element in good shape, even under the most extreme conditions.
- Optimised media spacing ensures uniform pleat spacing to prevent filter media from bunching during operation and promotes longer filter service life.
- Heavy duty end cap is designed to protect the filter media and provide structural integrity.

#### Inner safety element

- Provides additional protection if the outer main element is damaged.
- Air filters become more efficient over time.



# Komatsu hydraulic filter

### Hydraulic filters

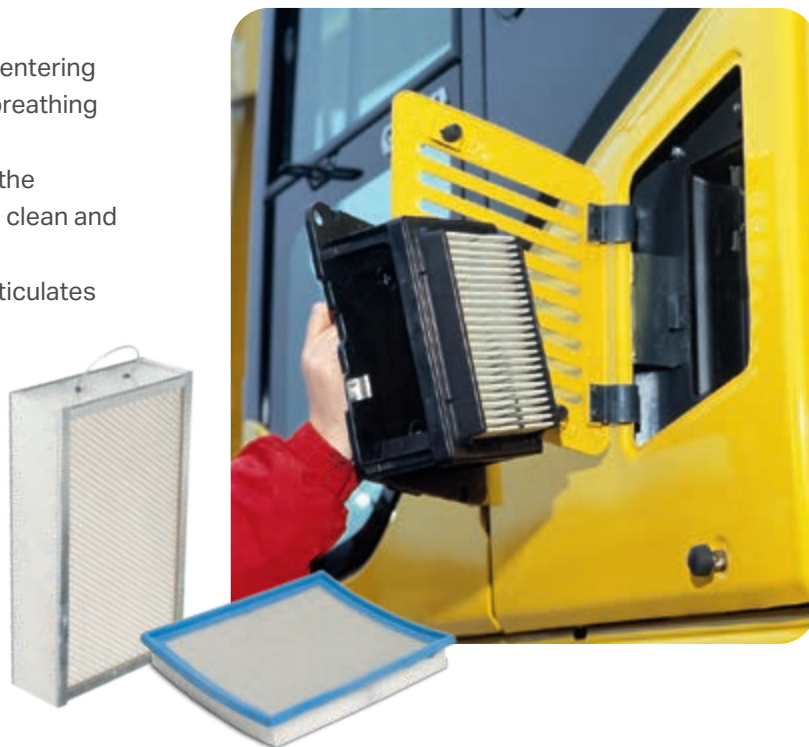
- Glass media is triple layered, providing a better filtration and higher efficiency.
- Easier and cleaner exchange process due to the smaller size and position of the return filter in the hydraulic tank.
- Rubber seals are added to the top and bottom plates of the filter for additional protection.



## Komatsu air conditioner filter

### Air conditioner filters

- Fresh air filter helps keep dirty air from entering the cabin for a clean and comfortable breathing environment for the operator.
- Recirculated air filter helps to maintain the breathing environment inside the cabin clean and comfortable for the operator.
- Both filters help capture dirt, diesel particulates and soot.



## Komatsu maintenance kits

### Quick, easy, cost effective

- Komatsu's maintenance kits are an ideal cost-effective way to ensure you have the right parts when you plan your maintenance intervals. These unique kits are in line with most operation and maintenance manuals. You do not need to go through the parts book and search for each required part number.

### Why use a maintenance kit?

- All parts required for each service interval (500, 1000 and 2000 hours), can be ordered with one part number.
- Ensures all warranty conditions are met. Also just one part number to order all relevant Komatsu Genuine Parts in one box for extended warranty.
- Cost effective.



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