

Super fine filter

The super fine filter is a separate filter that temporarily replaces the redundancy filter to improve the cleanliness of the hydraulic oil.

The lubricating and cooling oil systems supply oil to the complete hydraulic system, the moment compensator and the torsional vibration damper, unless the engine has a separate system for hydraulic oil.

The ME engine consists of many expensive and fine-tolerance components, such as the hydraulic power supply, the FIVA and ELFI valves, the fuel booster, the exhaust actuator, etc. If the hydraulic oil is not sufficiently clean, the risk of damage to the engine components will be increased.

Cleaner hydraulic oil can lead to longer service life of engine components

The super fine filter improves the cleanliness of the hydraulic oil, and it helps to maintain the required oil cleanliness level for ME engines. The super fine filter is now part of the standard design for new ME engines.

The super fine filter cartridges have an extremely good beta ratio of 75 particles sized 6 microns or more so only one out of 75 particles passes through, whereas the beta ratio of the standard auto-filter is 5 particles sized 6 microns or more so one out of six particles passes through. The actual filter efficiency of the super fine filter is 98.7%, compared with 80% for the auto-filter.

The super fine filter is very easy to insert as a temporary replacement for the redundancy filter.

Using this filter once a month for 2 hours will reduce the risk of damage, which can result in extended service life of the engine components.

Please contact your Everllence PrimeServ office for more details.

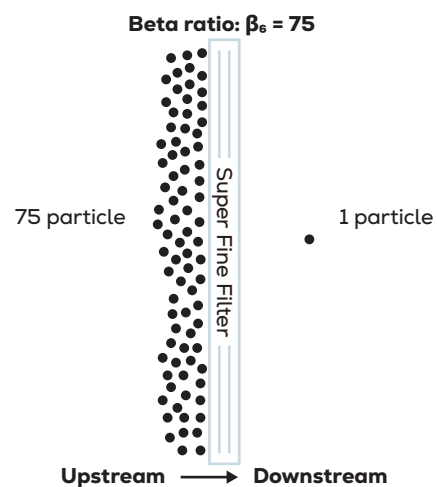


Figure 1: Schematic diagram of beta ratio mode

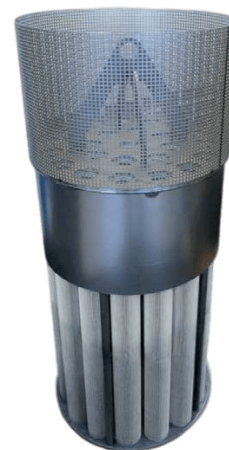


Figure 2: Super fine filter

Super fine filter

Preventive solution that improves cleanliness of the hydraulic oil

Key benefits

- Significantly reduced risk of damage to engine components and internal lubrication parts
- Improved cleanliness of hydraulic oil
- No need to install a separate hydraulic oil system
- Low-cost solution
- Easy to insert and remove

Scope of supply

- Super fine filter with cartridges mounted on a cartridge holder

Applicable to

All Everllence B&W ME/ME-C/ME-B engines with a specific filter type

More information

Contact your local Everllence PrimeServ office for more information about the product and how the upgrade can improve your specific engine.

Everllence PrimeServ

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