

Cat® Bowl-less Advanced Efficiency Fuel/Water Separators



Exceptionally Clean, Dry Fuel

Cat® Advanced Efficiency Fuel/Water Separators (FWS) provide clean, dry fuel in some of the harshest conditions that Cat machines operate in.

The new FWS's have a one piece, all-metal canister construction that does not require a detachable water collection bowl. Each new FWS comes equipped with a drain valve for easy servicing of the element.



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Diesel fuel acts as a lubricant in unit injectors. Undissolved water quantities greater than 0.1% can cause major damage. The film strength of diesel fuel prevents metal-to-metal contact between the plunger and barrel. Water can compromise film strength, resulting in scuffing and eventual seizure. Cat Fuel Water Separators have greater water removal capabilities essential for better protection of unit injectors. Fuel Water Separators also deliver longer secondary fuel filter life.

- Remove more than 98% of debris 10 microns and larger
- Virtually eliminate free water in fuel
- Remove 87% of dissolved water

Check the fuel water separator daily for water and drain as needed. In some applications such as marine and underground mining, a metal drain valve is a safety requirement.



Standard Drain Valve



Optional Metal Drain Valve



The new Advanced Efficiency FWS's have the same fit and equivalent performance to the existing Advanced Efficiency FWS's which use a detachable water collection bowl. There are numerous advantages to utilizing the bowl-less FWS instead of the current FWS design with the detachable water collection bowl...

- Eliminates potential fuel leaks from the detachable water bowl due to poor sealing
- Eliminates cracking of the bowl during use in extreme cold temperatures
- Eliminates melting of the bowl during use in extreme heat applications
- Use in applications where non-metallic fuel system components are prohibited
- Every new FWS element comes with a drain plug... no expensive bowls to replace
- The stepped can design isolates the collected water from the filter element.

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We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.



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