

Cat® Fuel Water Separators and PrimeTime™ Priming Pumps



Protect your fuel system

Advanced High Efficiency Fuel Water Separator

Diesel fuel acts as a lubricant in unit injectors. 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

PrimeTime Priming Pump

Cat PrimeTime Priming Pumps are easily installed on the frame or engine as retrofits. They prime the filter and fuel system with a flip of the switch.

- No need to pre-fill filter and risk debris reaching injectors
- Primes fuel filter in two to six minutes
- No time-consuming, difficult manual pumping

While these two products are available separately, you will get the best results when they are used together.

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Cat® Fuel Water Separators and PrimeTime Priming Pumps

Retrofit Information

Axial seal filters are designed to retrofit engines in the field while radial seal filters have an exclusive Cat design for improved sealing performance on new engines. Both will upgrade the durability and water removal performance over previous Caterpillar offerings and other brands.

Engine	PrimeTime Pump Full Flow Configuration	Hand Priming Configuration	Fuel Water** Separator Basic Configuration
Small Engines C12 & smaller	Kit 206-5756*	- Base 128-8557 with 1R-0769 (axial seal) or - Base 202-9871 with 1R-0770 (radial seal)	- Base 195-1068 with 1R-0769 (axial seal) FWS or - Base 177-9778 with 1R-0770 (radial seal) FWS**
Medium Engines C15-C16, 3408	Kit 206-5756* The 1R0770, included in the kit, can be replaced with the 1R0771 for additional capacity	- Base 128-8557 with 1R-0781 (axial seal) or - Base 202-9871 with 1R-0771 (radial seal)	- Base 195-1068 with 1R-0781 (axial seal) FWS or - Base 177-9778 with 1R-0771 (radial seal) FWS**

Engine	PrimeTime Pump Prime Only Configuration	Fuel Water** Separator Basic Configuration
3508	Kit 206-5756* (for priming only)	Base 175-7060 with 200-4139 (axial seal)
3512-3516	Kit 206-5756* (for priming only)	232-5263 group, each include (2) base 225-6404 with (2) 200-4139 (axial seal)
3524	Kit 206-5756* (for priming only)	232-5263 group, each include (3) base 225-6404 with (3) 200-4139 (axial seal)

* 270-5320 Water Collection Bowl—220-8678 Bowl/Can Seal
** Install the kit 206-5756 per Special Instruction media# REHS1037-01

Model Specific Electric Priming Pump Kits:

Model	Part No.
D11	205-6452
777	205-6453
793	205645

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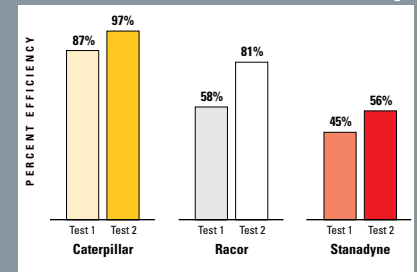


Extend the life of unit fuel injectors



Undissolved water quantities greater than .1% can cause major damage. Excess water caused metal-to-metal contact between the plunger and barrel in the fuel injector on the left. A Cat Fuel Water Separator protected the injector on the right, preventing damage and extending its life.

Water removal efficiency*



Cat Fuel Water Separators are much more efficient than those produced by other manufacturers. This efficiency minimizes barrel-to-plunger scuffing and significantly reduces the chance of fuel injector failure.

Check the collection bowl daily and drain as needed. In some applications such as marine and underground mining, a metal collection bowl is a safety requirement.

* Test procedures and results are on file and certified to represent the parts actually tested. Caterpillar implies nothing further, and no one should infer that these parts typify the maker's overall production.

Easy to Install Pump

Electric priming pump works with the flip of a switch, priming in two to six minutes.

Resilient mounting extends pump life and absorbs some of the shock load.

Primary fuel filter removes more than 98% of debris 10 microns and larger.

Water separator removes virtually all free water and 87% of dissolved water from diesel fuel.

Reusable water collection bowl has capacity of 90ml, is transparent for easy monitoring and drains in less than one minute.