



CAT® WATER DELIVERY SYSTEM

- » Improves haul road safety
- » Delivers fuel and water savings
- » Improves productivity
- » Reduces maintenance
- » Yields quick payback

THE CAT® WATER DELIVERY SYSTEM IS AN EFFICIENT WAY FOR MINING AND QUARRY OPERATIONS TO CONTROL DUST ON HAUL ROADS.

This automated system controls the amount of water and spray patterns to help prevent the hazards common with overwatering.

This fully integrated Cat® design employs a self-contained hydraulic system that controls spray patterns and allows for consistent water coverage regardless of engine RPM — capable of spraying up to 0.8 L / m² at speeds ranging from 3 to 25 mph (4 to 40 kph), covering an 80 foot (24 m) wide road in one pass.

Factory option for Cat 777, 785D, 789D WTR truck bare chassis. Retrofit kits for 777F, 777G, and 785D trucks.



IMPROVES SAFETY

- » Cat WDS provides variable water flow based on truck speed, eliminating overwatering, which can lead to poor traction.
- » Because water delivery is automated, the operator can focus on driving and traffic.
- » Remote tank fill control allows the operator to stay in the cab during refilling, reducing slips hazards.
- » Includes auto shutoff when the water tank is full to prevent overfilling, resulting in increased component life.
- » The automatic start and stop, based on truck speed, eliminates overwatering at road intersections.

SAVES FUEL

- » Efficient pump control reduces fuel consumption by *14%.
- » The water cannon operates at idle, reducing fuel consumption by *50%.

CONSERVES WATER

- » The uniform spray of large water droplets delivers optimal gallons per square yard (liters per square meter) across the haul road to reduce water consumption by *25-50%.

IMPROVES PRODUCTIVITY

- » An efficient variable hydraulic pump allows the truck to spend more time on the road controlling dust and less time returning to or sitting at the refilling station.
- » Factory-installed, integrated and durable ergonomic cab controls are user-friendly and easy to learn.
- » Auto Mode: turn on the heads you want, then turn on the water, and the truck will regulate the coverage set on the screen.
- » Spray patterns are customizable to meet specific haul road needs.

DELIVERS RELIABILITY

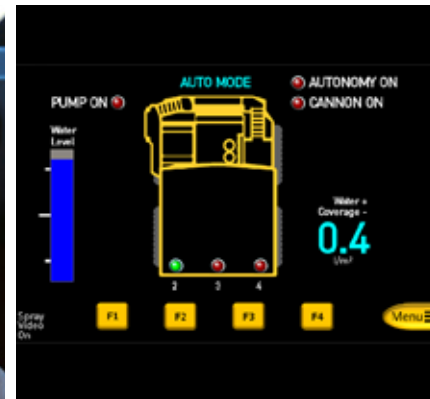
- » Self-cleaning spray head nozzles allows the operator to purge debris on-the-go to reduce maintenance.
- » Pump features soft startup and shuts off automatically when the tank is empty, eliminating damage and preventing the pump from running dry.
- » Monitor automatically displays diagnostic messages regarding water, hydraulics and electrical issues to allow quick resolution and keep the system running.
- » Patented spray head design eliminates diaphragm and associated maintenance.

*Results shown from Cat WDS cannon output. Testing was conducted at the Caterpillar Tucson Proving Ground with data captured from a production study. Results may vary.



THE SYSTEM INCLUDES:

- » Factory-installed controls
- » Programmable display
- » Variable hydraulic pump drive
- » Stainless steel spray heads
- » Independent hydraulic cooling system
- » Hydraulically controlled water cannon with optional nozzles



- » Parts and service are available through the global Cat dealer network.
- » Water tank sourced through local suppliers.

FOR MORE INFORMATION: [CAT.COM/WATERSOLUTIONS](https://www.cat.com/watersolutions)