

Cat[®] Non-Pressurized Fast Fill Fuel Kits



For faster, safer, more accurate filling

Now there are non-pressurized fast fill fuel kits available for Cat and non-Cat equipment. These quality, easy-to-install kits do not depend on a traditional pressure-sensing nozzle to shut off fuel flow, but instead rely on a valve to control fuel shut-off.

Cat[®] Non-Pressurized Fast Fill Fuel Kits are available through your Caterpillar dealer. Kits can be used to retrofit existing pressurized fast fill systems or added to machines without fast fill provisions.



CATERPILLAR[®]



Better technology for better results

Environmentally Friendly

- Prevents over/under-filling of tank (does not rely on the automatic nozzle for shut-off)
- Provides tank fill with greater accuracy
- Improves contamination control through a closed loop system
- Incoming air is now filtered through a separate breather, allowing for cleaner fuel
- Closed vent lowers risk of fuel spilling during severe operations, side slope and rollover conditions

Reduced Costs and Maintenance Time

- Eliminates pressure in the fuel tank
- Fast refueling rates up to 150 GPM. Fills in 1/10th of the time over standard gravity fill rates
- Minimizes fueling downtime
- Eliminates need to drain fuel tank for receiver servicing
- Improved vent performance, resulting in less risk of fuel leaks

Safer Work Environment

- Ground-level fueling eliminates dangerous climbs to reach the fuel cap on the top of tank
- Fuel tank is not pressurized during nozzle shut-off
- Shut-off levels are consistent

Durable Components

- Vent and inlet valve have a long life
- Receiver connects to industry-standard fuel nozzles

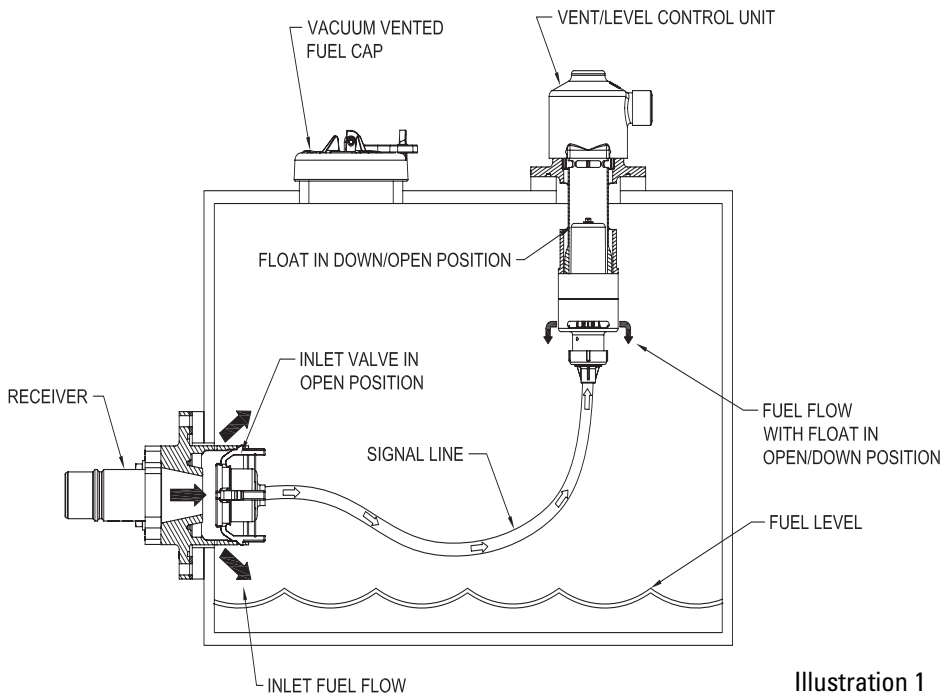


Illustration 1

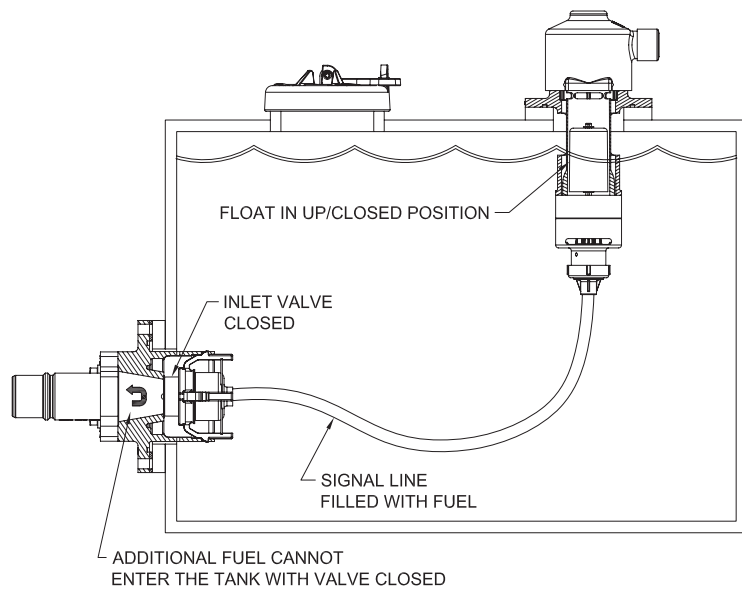


Illustration 2

How it works

- During filling, the inlet valve opens allowing a small amount of fuel to pass through an orifice. (Illustration 1)
- Fuel flowing through the valve continues to flow up a signal line and out into the tank. (Illustration 1)
- When the fuel level reaches the full tank level, the float shutoff valve closes and fuel flow through the signal line is stopped. (Illustration 2)
- The closed valve builds backpressure between the shutoff valve and the receiver, which causes the refueling nozzle to shut off. (Illustration 2)
- Fuel cannot flow to the level control vent, causing the inlet valve to close. (Illustration 2)

Machine models and additional literature

Caterpillar Machine Model Supported by Non-Pressurized Fast Fuel Kit		
Machine Type	Machine Number	Serial Number Prefix
Off-Highway Truck/Tractor	769D; 773E; 776D; 777D	BBB; BDA; AFS; AGC; AGY
Articulated Truck	725; 730; 730 Ejector; 735; 740; 740 Ejector	B1L; AFX; AGF; B1M; B1W; B1N; AWR; AXM; B1P; B1R; AZZ
Excavator	385B; 385C; 5090B; 5110B; 5130B	BKF; BLY; EDA; KBC; SBE; T2E; T2F; JCM; MNZ; CLD; SJY; AAA; AAK; AAT; 4CS
Quarry Truck	771D; 775E	BCA; BEC
Wheel Dozer	844; 844H; 854G; 814F	BBN; 2KZ; BTW; A4W; BGF
Wheel Loader	980H; 988G; 988H; 990 Series II; 990H; 992G; 994F; 994D	JMS; BNH; 2TW; BXY; BCR; BWX; AZX; 442; 3TZ

Media Number	Title	Type
REHS3062-00	Fast Fill System—Fuel	Special Instructions
PELJ0713	Fast Fill Fuel Kits Available for Cat Equipment	Information Release Memo
PELJ0282	GU04-02 Kits Available to Convert Caterpillar Or Wiggins Fast Fuel System Threaded Receivers To Cat Flange Mounted Receivers	Information Release Memo
PELJ0566	GU05-01 Fuel Caps 00	Information Release Memo
PEHJ0053	Cat Fast Fill Fuel System Conversion Kits	Datasheet

CAT® DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

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.

