



DataFill Diesel Fuel / DEF Fill

The DataFill Diesel Fuel Fill, Primer, and DEF Fill Systems are full featured , PLC controlled and PC managed systems capable of performing:

- Pressure regulated diesel fill
- Fuel pump and fuel line priming
- Scavange of excess back to supply tank
- DEF tank fill

Our diesel fuel fill systems consolidate and automate the diesel fuel fill process, resulting in increased safety, cost savings, and environmental compliance. These systems are available with supply pumps, filtration, pressure regulation, volume filling, and equipped with scavenge lines, fuel system priming, and standard fuel nozzles. The fuel primer option is a unique, automated sequence that draws fuel from fuel tanks during the fill process, through fuel lines, and into fuel pump. Multiple fuel tanks can be filled, with amounts tracked in DataServ 3.0.

Combining these process features with our New DataServ 3.0 software optimizes the quality and efficiency of your Diesel and DEF filling process. This software provides web based remote access to system process configuration, bar code and model configuration, production data, calibration, PC and PLC programming updates, troubleshooting, and production scheduling. New features include a Dashboard that can display multiple DataServ systems, key production values, production analysis reports, process alerts, notifications, and system events.

Product Detail

STANDARD FEATURES:

- Web based data acquisition and process control software
- Automatic process set-up, initiation, cycle completion, and return to standby
- Hand held CCD or RF bar code scanner
- Allen Bradley PLC machine control integrated with PC Operator Interface
- Dell PC running Windows®, 20" flat screen LCD
- Back-up Allen Bradley Panelview® Touchscreen Operator Interface
- NFPA 70E Arc Flash compliant
- Equipped with standard fuel filling nozzles
- High flow filling
- Quick connect fuel primer tool
- Individual flow sensors for each fuel tank
- Scavenge pump recycles excess fuel and eliminates tool dripping
- S/S piping and fill tool for DEF

CONFIGURATION OPTIONS:

- Stop station
- Mobile station
- Base station with track mounted, vehicle towed tool console
- Base station with motorized, VFD, line synchronized, track mounted tool console
- Dual overhead tool consoles for left and right side tank fill

CONFIGURATION OPTIONS:

- Volume fill
- Standard cycle includes:
 - Tool hookup
 - Diesel fuel fill
 - Fuel line and pump prime
 - Scavenge, and tool disconnect
 - DEF tool hookup
 - DEF fill
 - Tool disconnect

TOOL PRESENTATION OPTIONS:

- Simple track mounted tool balancer
- Swinging boom and tool balancer
- Automatic, air actuated drop and retract balancers

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DataFill Diesel Fuel / DEF Fill (continued)



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Diesel Fill Nozzle



DEF Fill Station and Nozzle

TYPICAL DATA DISPLAYED AND RECORDED:

Process Screen

- Product ID#
- Operator ID#
- Base ID#
- Time/Date
- Fuel Volume
- Fuel Type
- DEF Volume Filled
- DEF Fluid Type
- Fuel Prime
- Primer Time
- Pass / Fail Code
- Total Fluid Usage

Set Up Screen

- Set Model #
- Set Model Description
- Rev. #
- Set Author
- Set Fill Volumes
- Set Calibration
- Set Volume Max / Min
- Set Prime Time
- Set Cycle Time Max
- Set Trap Purge Time
- Set Tool Purge Time
- Reset Total Fluid
- Set Max Cycle Time

Calibration Screen

- Set Calibration Volume
- Set Comments
- Set Fluid Type
- Set Fluid Pressure
- Set Password
- Calibration History

Fault Screen

- Low Air Pressure
- Low Fluid Pressure
- Fluid Fill Reject
- High Trap Level
- Cycle Overtime

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