

Wayne Select™ Diesel Exhaust Fluid (DEF) Dispenser
Specially designed for DEF
compatibility



Wayne
FUELING SYSTEMS



- ▶ Wayne DEF dispensers use a patent-pending heated hose and nozzle enclosure with automatic door operation for easy access.



The Wayne Select™ Diesel Exhaust Fluid (DEF) Dispenser

Specially Designed for DEF Compatibility

The Wayne Diesel Exhaust Fluid (DEF) dispenser added to a diesel island allows customers the convenience to simultaneously fill their DEF tanks and diesel tanks in the same place. DEF helps meet EPA 2010 NOx emissions standards. Most new, large diesel vehicles use DEF injected into the exhaust stream to reduce NOx in the engine's exhaust.

Unlike diesel fuel, DEF freezes at 12° Fahrenheit and if not completely pure can harm exhaust system components, reducing their lifespan and increasing the likelihood of expensive repairs. The Wayne DEF dispenser is designed to protect against cold temperatures and protect hoses, nozzles and other components from freezing.

High-grade internal components prevent DEF contamination and help protect exhaust systems from the harm that can come from an impure product.

High Quality, User-Friendly Dispensers

Wayne DEF dispensers use a patent-pending heated hose and nozzle enclosure with automatic door operation for easy access.

The user-friendly hose is tension-free for a six-foot stretch, and has an automatically retractable 12-foot total reach. The hose and nozzle doors that protect components and DEF product in cold weather can be locked in the open position to allow easy access in warmer weather.



Integrates Into Your Existing Operation

The same electronics interface as found in our fleet fueling dispensers allows seamless integration into your operation. Our narrow 40-inch wide DEF dispensers install easily onto existing diesel fuel islands and can be used with above ground or underground tanks.

- DEF-compatible hydraulics help ensure DEF purity
- Innovative hose handling provides user-friendly operation
- Heated nozzle and hose cabinet keeps DEF from freezing during cold weather
- Remains accurate during low flow metering

- ▶ The Select DEF dispenser combines Wayne's proven DEF technology with exceptional design features for easy integration into any fleet operation.





Proven Technology Helps Ensure DEF Quality

- Special DEF-compatible hydraulics with internal 5 micron filter, proven during five years of field experience in Europe, help ensure DEF quality
- Heated and insulated cabinets allow installation anywhere at your fueling site without the need for additional temperature-controlled enclosures
- All components, including hose and nozzle are heated to keep the DEF from freezing
- Thermostatically-controlled heater only runs as needed to limit operational costs.
- Self-closing doors help make sure the nozzle and hose stay heated and help eliminate concerns that doors will be left open

Wayne Electronics

- Wayne iGEM™ electronics used in Wayne petroleum dispensers
- Weights & Measures sealable for resale applications
- Standard Wayne current loop interface for connection to fleet control systems

Optional Features

- Optional pulse output interface for simple interface alternative for fleet control systems
- Right or left side hose cabinet allows easy hose maintenance with adjacent placement of above ground tanks. Right hand standard.
- Heater-less option for warm weather climates.



- ▶ Sleek styling, rugged construction and advanced DEF compatibility make the Select DEF fleet dispenser a reliable choice for environmentally friendly, regulations-compliant diesel fueling.

Easy-to-use Hose and Nozzle

- Hose doors automatically open when the nozzle door is lifted, providing open access to the environmentally protected nozzle and hose
- Clear window in nozzle door makes nozzle location easily identifiable
- User-friendly hose configuration provides the first six feet of hose reach tension-free
- Retractable hose provides 12 feet of total hose reach to easily fill tanks that are not lined up with the dispenser
- Retraction device automatically returns extended hose back into the cabinet
- Nozzle and hose doors can be locked in the open position in warmer weather for easy access
- Free-hanging hose allows plenty of space for hose accessories such as breakaways
- Heavy duty hose doors are recessed and the narrow opening helps protect against abuse
- Rollers on the hose opening ease hose handling and help protect from wear

DEF Dispenser Specification for Single Remote Dispenser

Wayne Model: Model D4/V387DV/GHJR/H1T

Fuel dispenser specification for enhanced capacity single remote dispenser with island-oriented nozzle boot, which is rated up to 10 GPM/38LPM at the discharge. Designed specifically for dispensing diesel exhaust fluid (DEF).

STANDARDS/APPROVALS

- Meets ISO 22241-3 for fluid compatibility. FCC, W&M approved for .3 to 19.5 GPM flow rates.

OPERATING TEMPERATURE

- -30°C to 55°C

ELECTRONICS FEATURES

- Wayne iGEM computer with component inter-changeability to Wayne fuel dispensers
- Transaction volume display: Back lit, 6-digit 1" liquid crystal (LCD) gallons (or liters) display
- Push to start activation button initiate dispensing of product
- Display power backup for a minimum of 15 minutes in the event of power loss
- Four-character 1/2" LCD status message display to denote authorization status, cut-off limit, etc.
- Electromechanical totalizer, 7-digit non-resettable, located on dispenser bezel for inventory control
- Electronic 6-digit non-resettable and resettable totalizers
- Diagnostics including log of last 50 errors/events. Dispenser software configurable and download-able from PC
- Hand held remote control for accessing totals, diagnostics, & configuring dispenser via LCD w/o opening cabinet

DISPENSER CABINET

- All exterior panels made from galvanized steel for corrosion-resistance
- Hose cabinet module door and lower front hose cabinet panel are stainless steel
- EDPM 4014 insulation on interior of doors and side panels to retain heat (1/2" minimum)
- Dual internal thermostatically, controlled heaters
- Finish: Powder-coated metallic silver sides, top, and base with blue lower doors

ELECTRICAL

- 120VAC 60HZ

METROLOGY

- Micro-accurate, 2-piston, positive displacement meter, specifically designed for dispensing DEF without compromise to the integrity of the product dispensed. The meter is certified by Weights and Measures for retail applications and is accurate at any delivery and pressure
- One (1) proportional solenoid valve, programmable through electronic register to set maximum flow rate (e.g. 10 gpm)

FILTER

- Inlet side, stainless steel housing with 5 micron, replaceable filter element

FUEL SYSTEM CONTROL INTERFACES

- Wayne current loop protocol or dual pulse output interface option. Pulse rate 100:1 standard with optional rate settings.

HEATED HOSE HANDLING CABINET

- Ability to lock doors in open retracted positions during warm weather
- Automatic hose retraction system returns hose to cabinet after dispensing. Standard configuration is right-hand side hose module. Optional left-hand version.
- Sliding nozzle access door with adjustable counter weight balance to access nozzle
- Electric activated doors to insulate and retain hose
- 17.4' x 3/4": DEF compatible hose (12 ft. usable reach) OPW swivel/breakaway provided
- Nozzle boot designed for OPW 21GU nozzle. Sensor to detect proper hang-up and complete transaction

PRODUCT INLETS

- 1" BSPP male or 1.5" female NPT

ELECTRICAL BOXES

- Junction box in hydraulic cabinet to make all dispenser power and control wiring terminations

WARRANTY

- Two year parts and labor except for cabinet which shall be warranted against corrosion for 4 years



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