



Dresser Wayne Select Series Electronic Fleet Fuel Dispensers



Advanced technology delivers enhanced fleet fueling efficiency

Getting your fleet on the road quickly is crucial to your bottom line which means fueling should be as hassle-free and fast as possible. The Dresser Wayne Select Series electronic fleet fuel dispenser keeps your operation moving at a rapid pace. In a class of its own, this dispenser harnesses leading technology and combines it with durable construction to bring you high speed, dependable fueling capabilities.

Powerfully equipped with cutting-edge electronics, the latest metering technology and field-proven components, the Select Series not only decreases fueling time significantly, it provides reliable functionality and easy management. A wide range of configuration options along with multiple feature choices give you superior flexibility.

High tech, high performance

The Select Series' outstanding performance is backed by exceptional, state-of-the-art technology. Incorporating the Dresser Wayne iGEM electronics platform, the dispenser promotes smooth operability through features like user operating messages, transaction limit controls, error monitoring, enhanced diagnostics and PC-enabled software uploads and downloads.

Additionally, a handheld remote utilizes infrared technology to allow configuration and diagnostics access without opening the dispenser. And the Select Series features a unique status display that provides at-a-glance information about the dispensers' operating status including satellite-in-use messages for master and satellite configurations. All models include sophisticated electronic calibration for precise, yet simple meter calibration.

Speed, dependability and easy-to-manage performance

- Rugged construction houses the latest technology for fast fueling
- Select family includes three high flow rate series
- Dresser Wayne iGEM electronics platform offers smooth operability and simple maintenance



Three Series delivers fast fueling options

Because reducing fueling time increases efficiency and productivity, the Select Series' superior technology supports three different high flow rate series for a swift fueling experience. This means more time on the road for your vehicles. All series include island-oriented (side) or lane-oriented front nozzle configurations so you can match your specific operational requirements.

Select EC Series - The Select Enhanced Capacity Series provides fueling speeds up to 22 GPM*. Six suction pump and six remote dispenser configurations are available. The EC Series utilizes the Dresser Wayne intelligent iMeter®, proven in demanding retail stations around the globe. The suction models features powerful one horsepower motors for maximum flow performance with gear-type pumping units for years of rugged reliability. And the remote dispenser models include internal filters to ensure product purity. All models have one-inch discharges with 3/4-inch adapters, allowing them to be easily adapted to either hose size for gasoline or higher flow diesel applications. Maximum flow can be conveniently controlled electronically through the dispenser configuration to meet spit-back and vapor recovery requirements.

Select SHC Series - The Select Super High Capacity Series offers flow rates up to 36 GPM*. It includes two iMeters and two pumps (suction models) connected to a single hose for superior performance. Choose from two suction models and eight different remote dispenser configurations including two satellite models that enable truck saddle tank fueling.

Select UHC Series - The Select Ultra High Capacity Series delivers high capacity fueling. Through a combination of advanced technology and streamlined hydraulics for amazing flow performance, it delivers a flow rate of up to 60 GPM* for master and satellite hoses combined. It is available in 12 remote dispenser configurations including three satellite models for convenient truck saddle tank fueling, and all UHC dispensers are ready for satellite connections. The Select UHC Series is designed to match your specific requirements with unique configuration options such as two hoses on the same side for easy product selection or filling double tanks located on one side of a truck. The UHC Series features a Liquid Controls® meter for high flow throughput. Plus, dual internal 40 GPM filters are placed before the meter on each hose. Fuel is efficiently filtered from one location without sacrificing flow performance before it is dispensed through the master or satellite feeds.

*Flow rates are maximum test rates at discharge. Actual rates will depend upon the installation conditions, dispenser accessories, and for remote dispensers, size of the submersible pump. Flow rates for UHC models are for master and satellite hoses combined.

Advanced technology and high capacity packaged in a heavy-duty cabinet

- Brings advanced electronics, electronic calibration and diagnostic capability to fleet fueling environments
- High speed fueling capacity supports your business goals by keeping your fleet on the road
- Highly configurable to match your exact requirements

Tailored to your needs

The Select Series electronic fuel dispensers' robust offering of optional features further enhances adaptability and configurability. Select the pulse output interface so you can connect to popular fuel control systems, or choose the hose retractor and mast to keep hoses out of fueling lanes. A factory-installed Healy VAC vapor recovery system helps meet environmental regulations, and you can select a price display for applications where dispenser price computation is necessary. What's more, all models are compatible with multiple fuel types including gasoline, kerosene, diesel and B20 biodiesel.

Strong durability for demanding fleet settings

The Select Series dispensers' powder-coated finish is incredibly durable even under harsh conditions and rugged use. All cabinet panels are galvanized steel and supports are made of galvanized steel for corrosion resistance. Additionally, heavy gauge side panels and doors stand up to the elements for years.

Investment protection through easy installation and maintenance

Built with easy maintenance in mind, the Select Series dispenser is simple to install and cost-effective to manage. Patented double bump piping on EC and SHC Series models ensures reliable connections while simplifying component replacement during servicing. Hinged doors simplify routine maintenance, and a vertical strainer minimizes spills during cleaning.

Island-Oriented: Nozzle(s) on side of cabinet for use from both lanes.

Lane-Oriented: Nozzle(s) on front bevel for use in lane nozzle faces.

Enhanced Capacity: One iMeter and one pump (suction models) per hose (except Twin I suction hoses share one pump).

Super High Capacity (SHC): Two meters and two pumps (suction models) per hose for superior flow.

Ultra High Capacity (UHC): High flow Liquid Controls meter per hose for maximum flow.

Master: Equipped with satellite connection for use with satellite dispenser. Twin Master has two connections. All UHC models are satellite ready.

Suction Pumps

Type	ENHANCED CAPACITY (EC) (UP TO 22 GPM*)		SUPER HIGH CAPACITY (SHC) (UP TO 36 GPM*)	
	Island-Oriented	Lane-Oriented	Island-Oriented	Lane-Oriented
Single	3/G7201P/2JK/W	3/G7207P/2JKR/W	3/G7221P/8JK	3/G7227P/8JKR
Twin I	3/G7202P/2JK	3/G7207P/2JK		
Twin II	3/G7203P/28JK/W	3/G7208P/28JK/W		

Remote Dispensers

Type	ENHANCED CAPACITY (EC) (UP TO 22 GPM*)		SUPER HIGH CAPACITY (SHC) (UP TO 36 GPM*)		ULTRA HIGH CAPACITY (UHC) (UP TO 60 GPM*)	
	Island-Oriented	Lane-Oriented	Island-Oriented	Lane-Oriented	Island-Oriented	Lane-Oriented
Single	3/G7201D/2GJK	3/G7207D/2GJKR	3/G7221D/GJK	3/G7227D/GJKR	3/G7231D/GJK	3/G7237D/GJKMR
Twin I	3/G7242D/2GJK	3/G7247D/2GJK		3/G7227D/GJK	3/G7232D/GJK	3/G7237D/GJKM
Twin II	3/G7203D/28GJK	3/G7208D/28GJK			3/G7233D/GJK	3/G7238D/GJKM
Single Master				3/G7227D/GJKMR		3/G7237D/GJKMR
Twin I Master				3/G7227D/GJKM		3/G7237D/GJKM
Twin II Master						3/G7238D/GJKM
Master/Satellite				3/G7228D/GJKLM		3/G7238D/GJKLM
Two-Hose, Single-Sided, Twin I Master						3/G7236D/GJKMR
Two-Hose, Single-Sided, Twin II Master						3/G7234D/GJKMR
Satellites						
Single				3/G7007/JKLR		3/G7037/JKLR
Twin				3/G7008/JKL		3/G7038/JKL
Two-Hose Single-Sided						3/G7039/JKLR

Model Number Format: 3 / Base Model / Suffix 1 Options / Suffix 2 Options (e.g. 3/G7201D/2GJK/H)

The following options are standard: 1" discharge [2 on EC models], internal filter [G] (remote models), AC j-box [J], and hose hanger [K].

Option suffixes are noted in the specifications in []. A "/" (e.g. [J]/[H]) indicates a suffix 2 option.

*Note: Specified flow rates are maximum test rates at the discharge. Actual flow rates will depend upon the installation conditions, product dispensed, dispenser accessories, and for remote dispensers, the size of the submersible pump. For Twin I suction and Twin I SHC remote models, the maximum flow rate is for only one hose operating at a time. The maximum flow rate for UHC models is for master and satellite hoses combined.



Select Series Specifications

Compatibility: For dispensing low viscosity petroleum fuels - diesel; biodiesel blends up to 20%; gasoline, including oxygenated blends; kerosene; AvGas[^], and jet fuel[^]. Fuel must meet the applicable ASTM standard.

[^]Note: Confirm with fuel supplier on any fluid path metal restrictions before use.

LCD Displays: Backlit 1" six-digit volume display and ½" four-character status display per hose. Displays each side of cabinet, except models with lane-oriented nozzle boot only display on corresponding nozzle boot side. Configurable 0-4 digits to right of decimal. Programmable gallons or liters. In event of power loss, displays remain visible for approximately 15 minutes.

Totalizers: 7-digit electromechanical non-resettable totalizer per hose (EC twin I is per product). Two electronic 6-digit totalizers per hose - non-resettable and resettable - show on display using infrared remote control.

Fuel Control System Interfaces: Dresser Wayne protocol. Optional pulse output.

Meter:

EC & SHC - Reliable, micro-accurate 2-piston positive displacement Dresser Wayne iMeter with integral intelligent pulser. Unique, compact design with two meters in one housing. Electronic calibration.

UHC - Liquid Controls[®] high volume, positive displacement, rotary meter. Dresser Wayne optical pulser with quadrature output. Electronic calibration.

Pumping Unit++: Positive displacement, self-priming, gear-type pumping unit with integral centrifugal air separator and adjustable bypass valve. Suction strainers at inlet connection.

Motor++: 1-HP continuous duty with thermal overload protection. Adjustable V-link belt connects to pump pulley.

Electrical: 120VAC 60Hz. Motors*: 120/240VAC 50/60 Hz.

Inlet Connection:

EC - 1 ½" (3.8 cm) male NPT.

SHC Remotes: 1 ½" male or 2" (5.1 cm) female NPT.

SHC Suctions: 2" female NPT.

UHC - 2" male NPT.

Internal Filter [G]: Standard on remote dispensers. UHC - dual internal filters per hose with 40 GPM/151 LPM, 30 micron elements (80 GPM/303 LPM total filter capacity per hose). Optional dual internal 100-mesh disposable strainer canisters in place of UHC filter elements.

Discharge:

EC - 1" (2.5 cm) NPT. Includes ¾" (1.9 cm) reducing bushing.

SHC - 1" (2.5 cm) NPT. UHC - 1 ¼" (3.2 cm) NPT. Includes 1" (2.5 cm) reducing bushing

Flow Control Valve:

EC & SHC - Proportional 7/8" (2.2 cm) valve. Standard on remote dispensers, Twin I suction, and SHC suction. Optional on other suction models [delete //W suffix to include valve on suction model].

UHC - Two-stage 1 ½" (3.8 cm) valve.

Satellite Connection [M]:

SHC - SHC master models include satellite down-piping and 1 ½" (3.8 cm) NPT connection.

UHC - All UHC models are satellite-ready. The discharge assembly includes internal port for 1 ½" (3.8 cm) satellite piping connection (piping not included).

Cabinet Finish: Powder-coated metallic silver sides, top, and base. Doors painted blue (optional black, brown, green, red, silver, yellow, white, or stainless steel). Black register face with black decal with white lettering.

Cabinet Construction: All exterior panels are fabricated from heavy gauge galvanized steel for superior weather and corrosion resistance. Hinged doors for convenient service access.

Lighted Product ID Panels: Light for displays also illuminates product ID panel. Specify product names with order.

Nozzle Boot: Fits UL interchangeable nozzles and Emco Wheaton 4015 and Husky V short spout balance vapor recovery nozzles. Lift nozzle hook for activation. Hook extension kits+ for OPW 11VF (p/n 892081-001) and Healy 400 (p/n 892080-001) long spout vapor recovery nozzles.

Hose Hanger [K]: Keeps hose off of island when not in use.

Actual Dimensions: 32.25" W x 19.38" D x 63.3" H (81.9 cm W x 49.2 cm D x 160.8 cm H)

Approvals: UL. CSA. FCC. Sealable by U.S. Weights & Measures

Options

Pulse Output Interface [H]: Emulates mechanical dispenser interface for connection to fuel management and tank monitoring systems. Includes two outputs.

Price Displays [1]: Total sale and unit price displays for cardlock applications. Includes satellite-in-use display [I] on master models and solenoid valves on suction models [delete //W].

Preset Keypad [S]: Requires price display option. 12-button preset. Can select money or volume. Displays on total sale or volume display as applicable.

Hose Mast [//J]: Raises hose to ease hose handling and helps keep stored hose out of the fueling lane. Optional hose mast clamp kit+ (p/n 890898-001) for Goodyear[®] balance vapor recovery hose.

Stainless Steel Panels: Ideal for very corrosive environments. Stainless steel lower cabinet with black galvanized steel top and stainless [//S3] or painted galvanized steel doors [//S4], or stainless steel doors only [//S2].

HealyVac Vapor Recovery: Remote dispensers only. Factory-installed Healy vapor recovery components for ORVR and EVR applications. One hose [D3] or two-hose [D4] options. Does not include hanging hardware

Other Options: Heater for electronics [//L], internal hose retractor [//H], electromechanical totalizer per hose on EC twin I [//K], solenoid valves on suction models [delete //W], 890467-001 external filter kit+ , 890467-002 SHC external filter kit+ , liters display graphic, automatic temperature compensation [C], and 240VAC 50/60 Hz operation of register and light [Z].



Satellite Specifications

Note: SHC satellites require SHC masters, and UHC satellites require UHC masters.

Cabinet Finish: Metallic silver sides and top with blue doors (optional black, brown, green, red, silver, yellow, white, or stainless steel doors).

Cabinet Construction: Heavy gauge galvanized steel.

Inlet Connection: EC - 1 1/2" (3.8 cm) male NPT.

SHC - Remotes: 1 1/2" male or 2" (5.1 cm) female NPT. Suctions: 2" female NPT.

UHC - 2" male NPT.

Flow Control Valve:

SHC - (2) proportional 7/8" (2.2 cm) valves per hose

UHC - (1) two-stage 1 1/2" (3.8 cm) valve per hose.

Electrical: 24VDC from master dispenser.

Discharge:

SHC - 1" (2.5 cm) NPT.

UHC - 1 1/4" (3.2 cm) NPT. Includes 1" (2.5 cm) reducing bushing.

Nozzle Boot: See nozzle boot specification in main section.

Hose Hanger [K]: Keeps hose off the island when not in use.

Actual Dimensions: 32.25" W x 19.38" D x 44.75" H (81.9cm W x 49.2cm D x 113.7cm H)

Approvals: UL, CSA.

Options: Hose mast [//J]. All stainless steel cabinet with stainless [//S] or painted galvanized steel doors [//S1].

^Note: Applies to suction models only. SHC suction models must be run at 240VAC.

+Note: Kits require field assembly



Master and satellite models allow for the convenient and quick fueling of trucks with saddle tanks



Select SHC Series utilizes two Dresser Wayne electronic iMeters manifolded to each hose for superior flow performance



Price display option adds Total Sale and Unit Price displays for cardlock applications



Select UHC Series features high flow Liquid Controls meters, dual internal 40 GPM filters per meter, and a streamlined flow path to provide maximum flow performance and clean fuel

About Dresser Wayne

With offices on five continents, manufacturing facilities on four, and thousands of employees worldwide, Dresser Wayne has shaped the retail and fleet fueling industry ever since its modest beginnings in 1891. Known for combining cutting-edge technology with exceptional customer focus and win-win industry partnerships, Dresser Wayne has become the leading supplier of integrated solutions to its customers in the retail and fleet petroleum industry. Dresser Wayne—headquartered in Austin, Texas—is largely responsible for the innovations that contribute to the look and functionality of the modern service station. From dispensers and POS systems to retail intelligence and after-sale support services, Dresser Wayne is committed to continuing its long tradition of providing innovative, customer-centric solutions in all facets of the industry. Dresser Wayne is a business segment of Dresser, Inc.



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About Dresser, Inc.

Dresser, Inc. is a leader in providing highly engineered infrastructure products for the global energy industry. The company has leading positions in a broad portfolio of products including valves, actuators, meters, switches, regulators, piping products, natural gas-fueled engines, retail fuel dispensers and associated retail point of sale systems and air and gas handling equipment. Leading brand names within the Dresser portfolio include Dresser Wayne® retail fueling systems, Waukesha® natural gas-fired engines, Masoneilan® control valves, Mooney® regulators, Consolidated® pressure relief valves, and Roots® blowers and rotary gas meters. It has manufacturing and customer service facilities located strategically worldwide and a sales presence in more than 100 countries. The company's website can be accessed at www.dresser.com.

