

Portable Fuel Dispensing Equipment



(Model 107 Fuel Conditioning Drum Cart)



(Model 106 Fuel Service Cart)

Webber EMI offers a full line of fuel dispensing & handling equipment, from fuel conditioning drum carts, portable service carts, Smart cats, as well as custom fuel systems and storage.

Since 1975 Webber EMI has built hundreds of these fuel carts – many of which remain in daily service today – a tribute to their proven design, rugged construction and unmatched durability.

While all of these high performing systems are configured to handle the various forms of diesel or gasoline (California Phase II, Indolene, special high volatility blend & standard pump grade fuels and gasoline fuels containing up to 15% ETBE & MTBE alcohol blends), we also are pleased to offer options to use more exotic fuels such as alcohol fuels E100, M100, E85 & M85, Kerosene, and others.

Naturally, all Webber EMI portable Fuel Conditioning and portable Fuel Dispensing Systems conform to applicable Federal EPA and California ARB regulations.

Portable Fuel Conditioning & Dispensing Systems



(Model 107 Fuel Conditioning Cart with Drum & caddy)

The Webber EMI Model 107 portable FC Cart is designed to temperature-condition fuel to any operator-selected temperature and to precisely dispense fuel at that temperature via a conventional fuel dispensing nozzle. This Cart incorporates a 'closed fuel system' design to facilitate minimal loss of 'high end' hydrocarbons.

In addition to precisely dispensing temperature conditioned fuel, this Cart can also function as a safe, portable, transfer pumping system to quickly move fuel from an in-ground or above-ground fuel storage tank into a standard 55 gallon fuel drum, the optional onboard fuel tank or another external fuel storage container.

Our exclusive interface system allows an operator to quickly switch operations between different standard 55-gallon drum of test fuels and to easily mount these drums onto the Cart's accompanying mobile drum dolly. This Cart can also be ordered with an onboard stainless steel tank in various sizes. In either configuration, a specially constructed thermal jacket is included as standard equipment.

Portable Conditioning & Dispensing Systems



(Shown with 27 gallon onboard tank)

Alcohol

The new line of (AC) Fuel Conditioning Cart comes equipped with the same standards as our gasoline cart, but includes a nickel-plated alcohol nozzle, 12' alcohol-capable hose, alcohol-fuel filter, alcohol-compatible alloy fuel pump.

These alcohol carts are also capable of operating with both alcohol / gasoline blends and 100% gas but cannot be built with an optional vapor recovery fuel hose and nozzle.

Gasoline

Our standard gasoline version Fuel Conditioning Cart includes a 12' long unleaded gasoline-specific fuel hose, auto-shutoff unleaded fuel nozzle; anti-static grounding reel; anti-flashback screen fuel cap, and; charcoal-media, vapor absorbing canister.

These Carts are available with either an onboard fuel tank or to interface with a std. 55 gallon drum of fuel and can be ordered with an optional vapor recovery fuel hose and nozzle.



(Alcohol FCCart)

Specialty Fuels

The specialty fuels line of Fuel Conditioning Carts incorporates most of the features outlined above, but also include a standard stainless steel fuel tank & fuel fittings; nickel-plated fuel filter housing & fuel nozzle; high corrosive-compatible special alloy fuel pump, and special fuel delivery hose. These Carts are capable of running with 100 % standard gasoline, but, because of the corrosive nature of some fuels, these Carts are not available with optional vapor recovery hose & nozzle.

Portable Fuel Conditioning & Dispensing System Features

Standard features

- *Wheeled drum dolly & customized insulating jacket.*
- *¾" / 19mm non-collapsible 12ft / 3.7m fuel hose with installed nozzle recirculation block.*
- *Brand name, auto-shutoff, unleaded fuel nozzle.*
- *Canister-style, screw-on fuel filter.*
- *Digital flow meter with either gallons- or liters-per-minute display*
- *10ft / 3.1m x 1" / 25mm I.D. non collapsible siphon hose*
- *Color based on fuel type with powder coated frames & panels*
 - *Gasoline – Flat 'BLACK' frame with textured 'RED' cover panels.*
 - *Alcohol – Flat 'BLACK' frame with textured 'YELLOW' cover panels.*
 - *Diesel – Flat 'BLACK' frame with textured 'GREEN' cover panels.*

Safety Equipment

- *Class I, Div. II (Group D) explosion-proof pump & motor.*
- *Self-retracting, reel-mounted, anti-static grounding cable.*
- *Air-tight, lockable, spring-loaded, self-closing fuel cap with anti-flashback screen.*
- *Two-way fuel tank vent with spark arrester & charcoal vapor absorbing canister.*
- *Over-temperature cut-off switch.*
- *Low fuel circulation flow cut-off switch.*
- *Onboard fire extinguisher.*

General Specifications

- *50 - 90 °F / 10 - 32 °C temperature range.*
- *3 – 12 GPM / 11 – 45 LPM flow rate.*
- *Dimensions: 54in / 1.4m W x 36in / 91 cm L x 75in / 1.9m H*
- *Weight: 1,000lbs / 454kg dry ~ 1,200lbs / 544kg wet.*
- *Power requirements: 220 VAC, single phase, 60Hz, 40 Amps.*

Optional features

- *Onboard Fuel tank. Capacity up to 50 gallons / 189 liters*
- *Expanded temperature operating range*
- *Vapor recovery delivery hose & nozzle on gasoline model.*
- *Custom color*

Portable Fuel Service Carts



(Model 107 Fuel Conditioning with 27 Gal On-board Tank)

Webber EMI Fuel Service (FS) Carts are designed to safely store and accurately dispense liquid fuels typically used in vehicle manufacturing & test laboratories. They can be quickly filled from any drum or stationary fuel storage container and then moved to another location. They are capable of both draining fuel from a tank and also accurately dispensing fuel.

This Fuel Service Cart is light weight, highly maneuverable and designed for routine movement by a single operator. This Cart includes high pressure, inflatable rear pneumatic tires, hard rubber heavy-duty front swivel caster w/foot brake, electrical grounding reel and an onboard-mounted fire extinguisher as standard equipment.

Portable Service Carts



Gasoline

For gasoline use, our Fuel Service Carts come equipped with a standard unleaded fuel nozzle, level indicator, auto shutoff nozzle; overfill safety cutoff switch, anti-static grounding reel, and a bottom-located draining plug.

Carts are available in standard sizes from 40 – 60 gallons with special order sizes available. All Gasoline carts can also be upgraded to include a vapor recovery hose and nozzle upon request

Diesel

Our diesel fuel service carts are designed to address the specific needs associated with both light- & heavy-duty diesel fuels. These Carts are available with larger tank sizes – up to 150 gallons

- incorporate a dedicated diesel fuel delivery system, diesel fuel hose and standard diesel fuel nozzle. Because of the additional weight when full, these carts come standard with both heavy-duty, roller bearing casters and welded fork lift rails to facilitate easy movement.



Specialty Fuels

The specialty fuels line of Service Carts incorporates most of the features outlined above, but also include a standard stainless steel fuel tank & fuel fittings; a nickel-plated fuel gauge, high level cutoff switch, fuel filter housing & fuel nozzle; high corrosive-compatible special alloy fuel pump, and special fuel delivery hose. These Carts are capable of running with 100 % standard gasoline, but, because of the corrosive nature of some fuels, these Carts are not available with optional vapor recovery hose & nozzle.

Portable Fuel Service Cart Features

Standard features

- 40 gallon / 151 liter fuel tank capacity.
- Non-collapsible 12ft / 3.66m fuel hose.
- Brand name auto-shutoff, unleaded fuel nozzle.
- Canister-style, screw-on fuel filter.
- Mechanical; 1/10 gallon resolution flow meter.
- 10ft / 3m x 1.00in / 25mm I.D. non collapsible siphon hose w/ 1in / 25mm NPT ends
- Color based on fuel type:
 - Gasoline – High gloss ‘RED’ with white vinyl ‘GASOLINE’ decals on tank.
 - Alcohol – High gloss ‘YELLOW’ with white vinyl ‘ALCOHOL’ decals on tank.
 - Diesel – High gloss ‘GREEN’ with white vinyl ‘DIESEL’ decals on tank

Standard Safety Equipment

- Class I, Div. II (Group D) explosion-proof pump & motor.
- Self-retracting, reel-mounted, anti-static grounding cable.
- Air-tight, lockable, spring-loaded, self-closing fuel cap with anti-flashback screen.
- Two-way fuel tank vent with spark arrester & charcoal vapor absorbing canister.
- Over-fill safety cutoff switch
- Onboard fire extinguisher.

General Specifications

- Fixed flow rates:
 - 12 GPM / 45 LPM dispense rate.
 - 8 GPM / 30 LPM transfer rate.
- Dimensions: 20in / 50cm W x 56in / 1.4m L x 48in / 1.2m H
- Weight: 335 lbs./152 kg (60 gallon tank) Dry Weight
- Power requirements: 120 VAC 60Hz, 10 Amps.

Optional features

- Fuel tank capacities up to 150 gallons / 568 liters.
- Vapor recovery delivery hose & nozzle on GASOLINE models only.
- Mechanical flow meter in liters (1/10 liter accuracy).
- 220VAC 50-60Hz, 7.5 Amp
- Custom color

Custom Fuel Conditioning & Dispensing Systems



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In addition to its standard fuel handling equipment Webber EMI also manufactures a wide range of specialized and custom equipment. From individual parts, storage, to full systems.

Webber EMI offers the capabilities to build many types of custom projects to meet any needs you may have. Whether it is designed by the customer, or by us. We have the knowledge and ability to meet your fuel handling needs.

'Smart Cart' Portable Fuel Conditioning & Dispensing System



(Model 108 Smart Fuel Conditioning Cart)

The Webber EMI Model 108 'Smart Cart' represents a marriage of state-of-the art mechanical, electrical and computer controls into a consummate fuel conditioning & fuel dispensing system.

While others manufacturers rely on hard wired, 'low power electrical cabling to reach an 'intrinsically safe' level of code conformity, the Model 108 'Smart Cart' transfers information from a potentially hazardous location to the user via a wireless protocol.

Available for use with various fuels and with varying internal capacities, this Smart Cart serves to address the most demanding, Class 1, Division 1-rated, customer applications. In its standard form, the Cart can be configured to offer local- or remote-system-control and data collection via a 'touch screen' control system.

This Cart is rated for non-continuous, indoor usage and conforms to all applicable Federal EPA and California ARB regulations.

'Smart Cart' Fuel Conditioning & Fuel Dispensing Features

Standard features

- 60 gallon / 227 liter onboard fuel tank.
- On board Computer Control system with Webber EMI operating software.
- 3/4in / 19mm Non-collapsible 12ft / 3658mm fuel hose with installed nozzle recirculation block.
- Brand name Auto-shutoff, unleaded fuel nozzle.
- Canister-style, screw-on fuel filter.
- Digital; 1/10 gallon resolution flow meter with rate & total display.
- 10ft / 3.1m x 1" / 25mm I.D. non collapsible siphon hose
- Color based on fuel type with powder coated frames & panels
 - Gasoline – Flat 'BLACK' frame with textured 'RED' cover panels.
 - Alcohol – Flat 'BLACK' frame with textured 'YELLOW' cover panels.
 - Diesel – Flat 'BLACK' frame with textured 'GREEN' cover panels

Safety Equipment

- Class I, Div. I (Group D) explosion-proof pump & motor.
- Self-retracting, reel-mounted, anti-static grounding cable.
- Air-tight, lockable, spring-loaded, self-closing fuel cap with anti-flashback screen.
- Two-way fuel tank vent with spark arrester & charcoal vapor absorbing canister.
- Over-temperature cut-off switch.
- Low fuel circulation flow cut-off switch.
- Onboard fire extinguisher.

General Specifications

- 50 - 90° F / 10 - 32° C temperature range.
- 3 - 16 GPM / 11 – 45 LPM flow rate.
- Dimensions: 88in / 2265mm W x 34in / 864mm D x 65in / 1.7m H
- Weight: 1,800lbs / 816kg dry ~ 2,200lbs / 998kg wet
- Power requirements: 220 VAC, Single Phase, 60Hz, 50 Amp.

Optional features

- Customer-specified onboard fuel tank size.
- Wireless computer communication function.
- Extended temperature range.
- Vapor recovery delivery hose & nozzle on gasoline model.
- Flow meter in liters (1/10 liter accuracy)
- Custom color.