



# 700 Series Small Fleet Pumps & Meters

## High performance in a compact design



Rugged but compact, Dresser Wayne's Small Fleet Pump is the ideal direct-drive transfer pump for aboveground storage tank applications involving small fleet, construction, agricultural or recreational fueling operations. Heavy-duty components and large unrestricted flow paths provide fast flow rates to quickly fuel vehicles and equipment.

### Reliable, high performance

A powerful 1/3 HP motor drives a large diameter pump rotor with 8 low-friction carbon graphite pump vanes, providing smooth, quiet performance. The 1" pump and meter discharges maximize throughput, while a spring-loaded check valve at the strainer ensures immediate dispensing. And a brass guide sleeve on the bypass assembly prevents the bypass "hang-ups" common in other designs and keeps the pump running — and fuel flowing.

The innovative design features an integral vacuum breaker at the meter discharge to prevent siphoning. The drops of fuel that normally accumulate at the vacuum breaker are routed back to the tank through a fitting in the strainer base, preventing leakage and the staining of the tank surface.

### Easy to install and maintain

The 700 Series pump's design makes it as easy to install and service as it is to operate. A spacious junction box simplifies field wiring terminations, while an auxiliary switched AC lead facilitates control of a solenoid valve in remote mount installations. And standard automatic nozzles can be stored easily in the nozzle boot and hook — no need for special nozzle models with spout hooks.

The junction box is designed with a separate compartment to house an external motor switch, allowing switches to be easily replaced without any motor teardown. The combination strainer/check valve assembly can also be easily removed for cleaning.

### Accurate recording

The high volume nutating disc meter has an accuracy of  $\pm 0.5\%$  at full flow and can be easily calibrated for either gasoline or diesel fuel. And the 4-wheel, easy-to-read register features a large reset knob for quick resets. For applications requiring higher accuracy, the 730S pump can be combined with the Dresser Wayne Reliance® S1 dispenser with its weights and measures accurate meter.



## Specifications

- Models:** 720: Pump & meter/register combination with integral vacuum breaker and vapor return tubing  
730: Pump only with discharge elbow, pipe nipple, external vacuum breaker, and vapor return tubing  
730A: Pump only with vapor return tubing; less discharge elbow, pipe nipple, and vacuum breaker  
730S: Pump only with discharge elbow, pipe nipple, external vacuum breaker, and vapor return tubing; less nozzle boot and on/off lever (for use with Reliance S1 dispenser)  
700R: Meter/register only with integral vacuum breaker and pipe nipple

**Performance:** Up to 20 GPM\*. Minimum dry vacuum – 15" of mercury.

*\*Actual flow rates received will depend upon the installation conditions and the pump accessories such as the meter, hose size and length, nozzle type, etc.*

**Compatibility:** For dispensing low viscosity petroleum fuels - diesel, including biodiesel blends up to 20%; kerosene; and gasoline, including standard oxygenated blends. Fuel must meet the applicable ASTM standard. Not for refueling aircraft.

**Meter/Register:** 4-wheel register (up to 999.9 gallons). Knob reset. 7-digit (with tenths) non-resettable accumulative totalizer. Phenolic resin nutating disc metering chamber. Accuracy  $\pm 0.5\%$  at full flow. Adjustable calibration range for different fuel types. Die-cast aluminum housing.

**Pump Assembly:** Self-priming, rotary vane pump. Cast iron construction for long life. Sintered iron rotor with 8 carbon graphite vanes. Fiber key connection to motor shaft. Key breaks in the event an obstruction impedes the turning of the motor shaft.

**Motor & Electrical:** 1/3 HP intermittent duty with thermal overload protection. Direct-drive. Explosion-proof. 115VAC 60Hz.

**Junction Box:** Weatherproof o-ring seal. AC auxiliary line for remote solenoid valve control. External motor switch in separate internal compartment. Die-cast aluminum construction.

**Strainer Assembly:** Combination strainer and spring-loaded check valve with pressure relief assembly. Cast iron housing.

**Anti-Siphon Valve:** Integral vacuum breaker in meter discharge. Duckbill design. Copper tubing returns any drips back to tank through fitting in strainer base.

**Nozzle Boot:** Zinc-plated steel. Protects nozzle from rain and dirt. Accommodates standard automatic and manual nozzles without the need for spout hooks. Easy on/off lever prevents nozzle storage in on position. Nozzle can be padlocked to prevent unauthorized use.

**Mounting/Inlet:** 2" NPT male at base of strainer assembly for tank mounting. 1" NPT female suction tube inlet.

**Discharge:** 1" NPT female at pump. With meter/register assembly, choice of (2) 1" NPT female outlets – top or back. Plug included for unused position.

**Finish:** Pump and meter painted with blue polyurethane enamel. Meter/register has a black UV-resistant lexan dial face graphic.

**Hose, Nozzle, Suction Tube:** Not included.

**Pressure:** Working pressure up to 50 psi.

**Options:** Discharge Elbow & Vacuum Breaker Kit (p/n 892507-001 - must add to model 730A to create a complete model 730); Short Spout Vapor Recovery Nozzle Boot Kit (p/n 889731-002).

**Approvals:** 730 Pump: ETL & c-ETL Listed (conforms to UL 79, 674, and 1203 and certified to CSA Standard C22.2 No's. 145-M1986, 30-M1986, and 22-M1986). 700R Register: UL Listed

## 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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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, Masonellan® 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](http://www.dresser.com).



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