

1820 Series

Your Partner in the Field



Superior craftsmanship, quality componentry and long-lasting durability make the 1820 Series compact electric pump an exceptional value when choosing a pump for aboveground tank installations. Uniquely designed for private fuel dispensing applications, the 1820 is engineered to make your job easier. The 1820 is the only compact electric pump equipped with a unique interlock register, which prevents use of the pump without first resetting the register to zero.

The 1820 pump, driven by a powerful 1/3 HP motor, fuels gasoline, diesel, kerosene and up to 15% methanol or ethanol blends. The Model 1820 features a pump that is separate from the motor assembly. This design prevents the possibility of product leaking into the motor due to worn pump seals.

Each time the nozzle opens, the pump bypass valve slams shut. While competitive models use an inexpensive plastic bypass valve, the 1820 features a heavy-duty, stainless steel bypass valve to provide trouble-free operation.

For a pump that provides value and durability, contact your local Gasboy distributor.

1820 Series Standards and Specifications

STANDARD FEATURES

- Delivery Rate: up to 18 GPM (68 LPM 60 Hz models, 57 LPM 50 Hz models).*
- Exclusive interlock register resets the register to zero when pump is turned on.
- Pump and motor are separate units to increase reliability and make servicing easier.
- Motor is equipped with an auxiliary AC line to control a solenoid valve in remote mount installations or for switch detect for card or key systems (1820RC only).
- Exclusive install-a-socket eliminates the need to install the pump with a suction pipe attached.
- Heavy-duty 23 PSI (1.6 bars) stainless steel bypass valve features a brass sleeve for smooth travel and reliable operation.
- Internal nozzle boot protects the nozzle spout from rain.
- Vacuum breaker located in the discharge casting to prevent accidental siphoning when the nozzle is open and lower than the product level.



Model 1820 with optional vacuum breaker return line kit



Model 1820-V

Options

- Liter measure 3 digit with tenths standard, optional is whole liters.
- 4-wheel liter measure register (1820R series only).
- Vapor recovery (VR) models include a nozzle boot to accommodate a vapor recovery nozzle. Supplied less hose, nozzle and splitter.
- Shelf kit for mounting pump on the front of an aboveground tank.
- Farm type automatic nozzle fits the standard nozzle boot.
- Vacuum breaker return line kit includes tubing and fittings to return vapor from the vacuum breaker to the tank.
- Rear or side mount (for shelf mount installations) filter kits.

Model Nomenclature

Model 1820 - Basic pump with 3-wheel meter/register with hose and nozzle.

Model 1820A - Model 1820 with automatic nozzle hanger, less nozzle.

Model 1820R - Model 1820 with square cabinet and 4-wheel push-button register.

Option Suffix

A - Automatic nozzle hanger, less nozzle.

C - Includes 10:1 pulser (1820R series only).

L - Liter registration in tenths.

WL - Liter registration in whole units (1820 only).

SS - Stainless steel cabinet (1820R series only).

VR - Vapor recovery nozzle boot, less hose, nozzle and splitter.

25 - 230 VAC, 50 Hz motor.

Delivery Rate

Up to 18 GPM (68 LPM 60 Hz models, 57 LPM 50 Hz models).*

Register

3-wheel volume-only register. Lever type reset with interlock. Includes 6-digit master totalizer. Optional: 4-wheel register with push-button reset (interlock not available) available on the 1820R.



Model 1820R

Meter

Nutating disc phenolic measuring chamber in aluminum die cast housing. Adjustable calibration +/- .5% at full flow.

Pumping Unit

Self-priming, direct drive rotary vane. 23 PSI (1.6 bars) stainless steel bypass. Check valve with pressure relief valve.

Strainer

100 mesh nylon.

Motor And Power Requirements

Explosion proof, 1/3 HP, 1725 RPM, 115 VAC, 60 Hz motor with thermal overload protection and auxiliary AC line. Optional: 230 VAC, 50 Hz.

Cabinet Finish

High-gloss urethane, painted red or specify color.

HOSE AND NOZZLE

12' (3.66 m) hose with integral static discharge wire. Manual self-closing nozzle.

Connections

2" (5.08 cm) NPT for tank opening.

Suction: 1" (2.54 cm) NPT.

Discharge outlet: 3/4" (1.91 cm) NPT.

Packing dimensions

1820 Series: 19 7/8" x 16 3/4" x 13"

(50 cm x 42 cm x 33 cm)

1820R Series: 24 3/4" x 22" x 27"

(62 cm x 56 cm x 69 cm)

Shipping Weight

Model 1820: 63lbs. (28.6 kg)

Model 1820R: 81 lbs. (36.7 kg)

Approvals

UL listed, cUL listed

WARNING

Failure to follow these instructions may result in property damage, personal injury or loss of life. Gasboy products must be installed by a qualified installer and used in conformance with all building, fire, and environmental codes and other safety requirements applicable to its installation and use, including, but not limited to, NFPA 30, NFPA 30A, NFPA 395, and NFPA 70. This product is only part of a fuel dispensing system, and additional equipment and accessories, such as, but not limited to, breakaway connectors, shear valves, pressure regulators, and other safety devices may be necessary to meet the applicable codes. Qualified installers shall be familiar with fuel systems installations under the above stated building, fire, and environmental codes and other safety requirements required for the particular type of installation. Gasboy dispensers shall not be used for the direct fueling of aircraft. All sales subject to Gasboy standard warranty.

* GPM/LPM ratings are based on tests under ideal conditions. Filters, automatic nozzles, longer hoses, etc. will reduce the flow rate.