



**GILBARCO
VEEDER-ROOT**



Prime PHR

Electronic High
Hose Pump or
Dispenser -
chassis with up to
4 nozzles

Prime PHR pumps and dispensers offer high performance, durability and advanced technology that enable great ease and control for the filling operation.

The Prime range of pumps and dispensers is certified by Inmetro, according to the current standards and ordinances of safety and legal metrology, all models are assembled in a robust and high resistance structure, with global components of international standard, providing a perfect operation through a design that meets the most severe needs and has high performance even after a long time of use.

BENEFITS

- Its cutting-edge technology has the lowest maintenance cost in the market.
- Prepared to receive various upgrades, and meet current demands and future trends.
- Its high hose design and extremely robust aluminum construction add value to the image of the service station.
- It uses the same sump as a low pump allowing the modernization of service stations with less investment.
- The models with 2 or 4 nozzles make it possible to simultaneously fill up to 2 vehicles per pump, simplifying and speeding up customer service.

Secure. Connected. Profitable.

Main features

ELECTRONICS

- High-tech computer, with CPU and separate hydraulic interface (lower replacement cost).
- It has a standard current loop interface for automation and, optionally, RS-485. Other communication options for peripherals on request.
- Record of the last 54 supplies.
- Record, with date, of the last 54 adjustments (electronic calibration).
- Record of electronic totals and value shift and liter totals.
- Indication of several pump operation failure messages on the managerial keyboard display.
- Flow indication on the Liters display.
- Internal clock with 10-year autonomy.
- It has 2 totalizers, one electronic and one electromechanical (optional), for each product, for double conference.
- Liquid crystal display with LED illumination.
- High strength stainless steel keyboards for preset and management programming through access code. The managerial keyboard have an alphanumeric display to indicate the programming and error codes.

HYDRAULICS

- Gear pumping unit, designed and manufactured by Gilbarco Veeder-Root, with built-in air suppressor. It has a stainless steel (washable) mesh filter and an integrated chamber for air and gas separation, which provides stability in pumping and measuring the fuel.
- Gilbarco Veeder-Root HD meter, calibrated electronically, positive displacement with 4 pistons and stainless steel liners, which increase the life of the block.
- Double stage solenoid valve with a high degree of precision in predetermination operations.
- Aluminum motor manufactured to operate in continuous regime (ventilated).
- Optimized hydraulics: reduced number of connections and electrical cables and easy access for maintenance.
- Prepared for installation of a Vapor Recovery system (VaporTek3).

FINISHING

- Anodized aluminum structure, which has strong resistance against the weather. This resistance is even more relevant for coastal regions, where the probability of corrosion is greater due to atmospheric salinity.
- Robust structure free of welding spots, which minimizes corrosion and with rounded corners, which increases the life of the hose.
- Steel finishing panels coated using the coil coating process that offers the most efficient surface coverage and greater durability.

Mode

Nominal Flow	Models	Type	No. of Products	Number of Nozzles	Number of Simultaneous Supplies	Gross Weight (kg)*	Net Weight (kg)*
50* or 75** lpm	PHR-1220	Dual	1	2	2	210	170
	PHR-2220	Dual	2	2	2	232	192
	PHR-2421	Quadruple	2	4	2	258	218
120* lpm - (DISPENSER)	PHR-1221-D-AV	Dual	1	2	2	193	153

The dimensions of the pumps are 2.38 x 0.82 x 0.50 | The package dimensions are 2.53 x 1.60 x 0.83 (Brazil) | 2.53 x 1.47 x 0.83 (Export) Dimensions H x W x D, in meters.

*Weight can vary up to 5kg.

Gilbarco Veeder-Root reserves the right to change one or more characteristics of its products, without prior notice, whenever necessary in order to improve them.

Consult all the characteristics in force at the time of purchase of your Gilbarco Veeder-Root equipment.

*The nominal flow is a reference value. This flow is achieved under ideal laboratory conditions, with controlled pressure (altitude) and temperature, without considering the use of accessories such as swivel, breakaway and others. The flow achieved when the pump is installed depends on other factors such as: method and devices used to measure the actual flow, type of fuel, distance between the pump and tank, tank depth (if it is underground), suction pipe diameter, ambient temperature, altitude of the installation site, whether the internal filter of the pumping unit is clean or not, whether there is a line filter or other external type in the installation and the status of the respective filter elements and any existing accessories (such as swivel and breakaway). In the case of filling solutions using dispensers and submerged pumps, the power and quantity of dispensers connected to the same submerged pump are also factors that influence the results obtained.

Nozzle and Hose Diameter	
Nominal Flow	Suction Pump or Dispenser
50 lpm	3/4"
75 lpm	1"
120 lpm	1"

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You need solutions and technology to make your business a success. Someone who understands your needs, your customers. We have the products and services you need. You can count on us. Get in touch with our authorized representative and get more information.



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