GILBARCO VEEDER-ROOT

Prime PHX-I
Prime PHX-I AV

Low Hose Electronic Pump or Dispenser – industrial use

Prime PHX-I Pumps and Dispensers are indicated for use in factories, transporters, garages and other establishments that need a fuel filling point.

They are certified by Inmetro in accordance with current regulations and ordinances for safety and legal metrology, assembled with international standard components and they benefit from a design that complies with the most demanding needs, providing perfect operation, low cost maintenance and a robust, high-strength structure, which you can see even after a long time of use. Prime LHI Pumps and Dispensers have high performance and durability, advanced technology and features that make the difference in handling and filling control.

BENEFITS

- Prepared for integration with automation systems, fleet control, among others.
- 400 lpm pumps and dispensers provide quick operation and, therefore, are especially suitable for filling equipment with large storage tanks, such as harvesters, tractors, trucks, trains, buses, vessels, aircraft and road transport.
- Robust structure free of welding spots, which minimizes corrosion and with rounded corners, which increases the life of the hose.
- 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.

Secure. Connected. Profitable.

Main features

ELECTRONICS

- 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.
- Flow indication on the Liters display.
- Internal clock with 10-year autonomy.
- It has 2 totalizers, one electronic and another electro mechanical (optional), for each product.
- LED-illuminated display
- High strength stainless steel keyboards for preset and management programming trough access code. The managerial keyboard have an alphanumeric display to indicate the programming and error codes.

FINISHING

- Steel finishing panels coated using the coll coating process that offers the most efficient surface coverage and greater durability..

HYDRAULICS

Pump / dispenser 50/75/130 lpm

- Gear pumping unit, designed and manufactured by Gilbarco Veeder-Root, with built-in air suppressor. A stainless steel mesh filter (washable) is provided as well as an integrated chamber for air and gas separation, which provides stability in pumping and fuel measurement.
- Gilbarco Veeder-Root HD meter, calibrated electronically, positive displacement with 4 pistons and stainless liners, which increase the life of the block.
- Solenoid valve with high degree of precision in predetermination operations.
- 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.

Pump / dispenser 400 lpm

- Vane pumping unit.
- Lobe gear meter with electronic calibration.
- Shielded pulser, attached to the head of the meter block, which ensures the accuracy of the fuel measurement.

Models

Nominal Flow	Models	Type	No. of Products	Number of Nozzles	Number of Simultaneous Supplies	Gross Weight (kg)*	Net Weight (kg)*
50 lpm	PHX-1120-I	Single	1	1	-	137	122
	PHX-1220-I	Dual | side nozzles	1	2	2	155	140
	PHX-2220-I	Double	2	2	2	188	173
75 lpm	PHX-1120-I-HG	Single	1	1	-	140	125
	PHX-1220-I-HG	Dual | side nozzles	1	2	2	158	143
	PHX-2220-I-HG	Double	2	2	2	191	176
130 lpm	PHX-1120-AV	Single	1	1	-	187	172
	PHX-1220-AV	Dual | side nozzles	1	2	2	197	182
400 lpm	PHX-1120-I	Single	1	1	-	207	192

HG = Average Flow, AV = High Flow

*Weight can vary up to 5kg.

Dimensions: pump 1.73 x 0.82 x 0.50, packaging 1.92 x 1.17 x 0.74 (Brazil) | 1,92 x 1,15 x 0,65 (Export) Dimensions H x W x D, in meters.

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"
130 lpm	1"
400 lpm	1 1/2" (hose) / 2" (nozzle)

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. Contact our authorized representative and get more information.

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