

10315 Brighton Lane  
Houston, TX 77031

P.O. Box 965  
Stafford, TX 77497

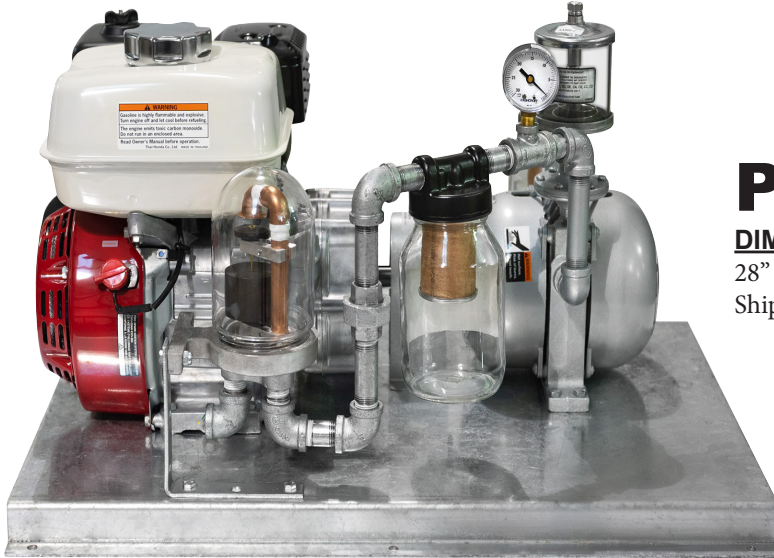
PH: (800) 610-8670  
(713) 667-6691

sales@protekspecialty.com  
www.protekspecialty.com



# PP SERIES

## POWER PRIMER



## PP35GS HONDA

### DIMENSIONS

28" x 20" x 16"

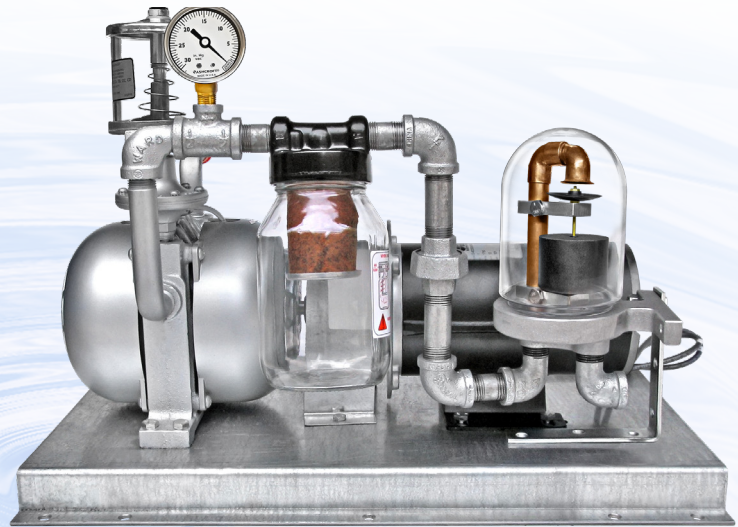
Shipping Wt. - Approx. 100 lbs

## PP35DC

### DIMENSIONS

23" x 13 7/8" x 11 1/2"

Shipping Wt. - Approx. 84 lbs

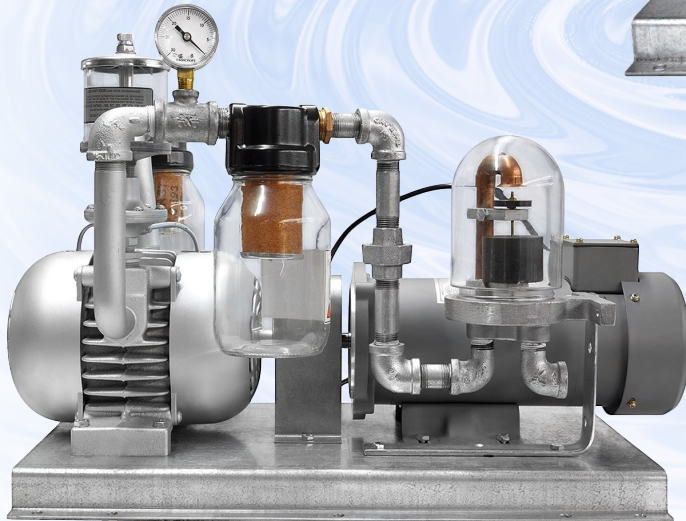


## PP35DC HC 12V

### DIMENSIONS

25" x 13 3/4" x 14"

Shipping Wt. - Approx. 100 lbs



*\*Gas model Power Primer is also available upon request, using part #PP35GS.*

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**PP** **SERIES**  
**POWER PRIMER**

The POWER PRIMER is built for fast and efficient priming in pump installations with high suction lifts or extra suction lines. Our motorized line of power primers come in AC, DC or gasoline models and work well for a variety of applications. They are ideal for large, diesel-powered irrigation pumps.

## **FEATURES:**

- Vacuum Pump self-lubricating vanes make maintenance easier
- Vacuum Pump dual fan guards meet OSHA's safety requirements
- Clear, plastic water trap housing indicates when priming is completed
- AC single phase model has 8' electrical cord with switch
- Solid base provides a sturdy mounting platform
- Standard ½" NPT vacuum connection

## **COMPARISON**

	CFM	PSI (max.)
PP35AC/DC/GAS	8.5	25
PP35HC	17	15

*\* Both the standard Power Primer and the High Capacity have a vacuum capability of 28" HG Max.*

## **INSTALLATION & OPERATION:**

1. Mount the Power Primer securely to a plate on the engine or centrifugal pump.
  - *NOTE: Primer should be high enough to allow water to drain back into pump suction line.*
  - *Position the unit to provide easy access to lubricators, filters and mufflers.*
2. Install oil reservoir, vacuum gauge, filter jar and muffler. See vacuum pump manual, included.
3. Fill oil reservoir with quality SAE 10 or 10W-30 motor oil.
4. Install hand valve between the power primer and the volute of the pump.
5. To start priming, open priming line valve and turn primer ON.
6. Watch for water to appear in water trap. Then turn pump OFF and CLOSE priming line.

## **SAFETY & RECOMMENDATIONS:**

- Make sure that electrical connection is grounded.
- Do not operate primer without drive guard.

## **MAINTENANCE:**

- The Vacuum Pump requires occasional flushing. Remove the pressure gauge and run ¼ cup of flushing solvent (GAST AH 225 or equivalent) through pump.
- A brief warm-up may be required for pump to produce a vacuum.
- Perform initial inspection after 500 hours.
- Use engine oil with viscosity of SAE10 when refilling oiler.
- Clean or replace air filters as needed.
- Keep water trap clear of debris.
- Replace parts that show evidence of dryness or cracks, esp. for parts such as cork gaskets and rubber gaskets for the oiler.



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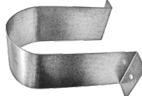
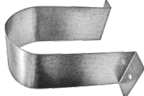
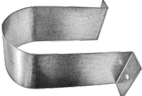
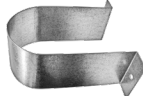










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## POWER PRIMER

	PP35GS HONDA		PP35AC		PP35DC		PP35 HC 12V		DESCRIPTION
1	E0333		E0333		E0333		E0333		Vacuum Gauge
2	MP2000		MP2000		MP2000		MP2000		Water Trap (See MP Series)
3	P0003R		P0003		P0003		P0001		Vacuum Pump
4			P0011						8' Power Cord with Switch
5	P0018		P0018		P0018		P0018		Drive Coupling Guard
6					P0020		P0020		Battery Disconnect Switch Lever, 12V, 100amp
7	P2019		P2019		P2019		P2019		1/2" NPT Pipe Union
8	X0P67		X0P67		X0P67		X0P67		3/8" NPT Street Elbow

### AVAILABLE MOTORS FOR PP SERIES

PART#	DESCRIPTION
P5001	5.5 HP, Gas Engine w/ Gear Red., Honda
P5004	1 HP, 1 Phase
P5004-1	1 HP, 3 Phase
P5009	1 HP, 12 Volt DC Direct, 1750 RPM

*\*Parts for the Vacuum Pump (as a sub-assembly within the Power Primer) are on next page.*

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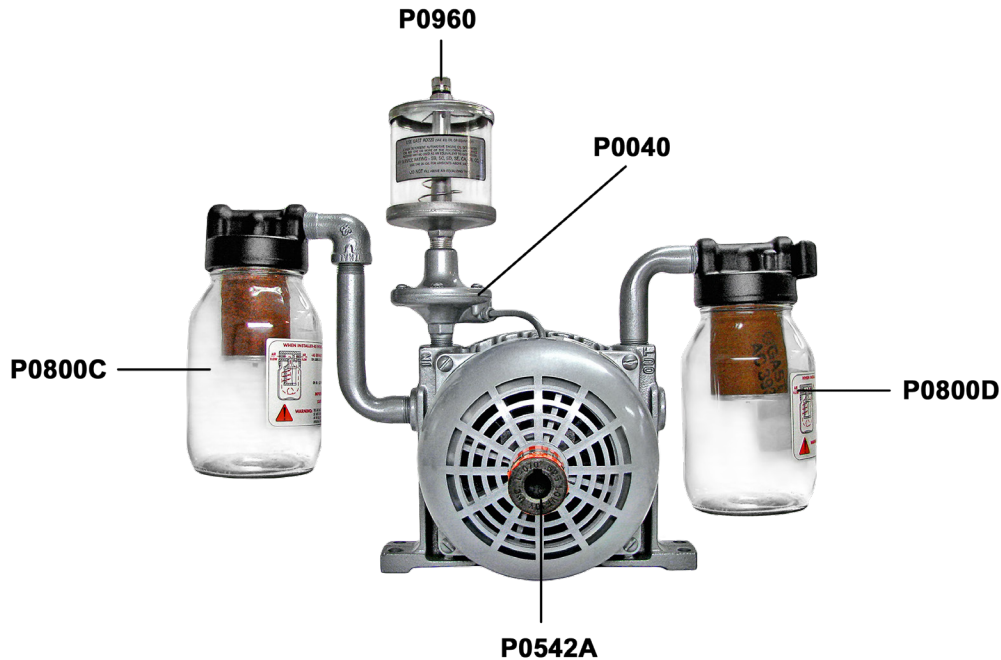
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POWER PRIMER

# VACUUM PUMP BREAKDOWNS



## P0960 - OIL RESERVOIR ASSEMBLY

PART #	DESCRIPTION
P0273	Feed Wick
P0967	Oil Cylinder

## P0040 - MUFFLER/OIL TRAP ASSEMBLY

PART #	DESCRIPTION
P0031	Fitting (2 Req.)
P0033	Diaphragm
P0339	Tube
P0970	Connector

## P0800C - FILTER ASSEMBLY

PART #	DESCRIPTION
P0393	Cartridge
P0401	Glass Jar
P0405	Cover Gasket

## P0800D - MUFFLER/OIL TRAP ASSEMBLY

PART #	DESCRIPTION
P0393	Cartridge
P0401	Glass Jar
P0405	Cover Gasket

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#### STANDARD PARTS FOR THE VACUUM PUMP

PART #	DESCRIPTION	
P0150	Shaft Seal	
P0273	Feed Wick	
P0316	Bearing Spacer	
P0326	Cooling Fan	
P0327	Bearing	
P0335	Vane (4 Req.)	
P0446	Retainer Ring	
P0542A	Coupling Assembly	
P0567	Body Spacer	
P0968	Gasket	

#### SERVICE KIT - #P0297

PART #	DESCRIPTION
P0150	Shaft Seal (2 Req.)
P0273	Feed Wick
P0316	Bearing Spacer
P0327	Bearing (3 Req.)
P0335	Vane (4 Req.)
P0393	Cartridge (2 Req.)
P0567	Body Spacer

\*Service kit for vacuum pump P0001 2065-V2A also available upon request under part number P0295. Ask a representative for details.

\*Aluminum jars may be offered as an alternative to glass jars under part number P0132.