



**MAGH POWERPOINT PUMPS INDIA PVT. LTD.**

**21A, Canning Street, Ground Floor, Kolkata – 700001, (W.B) India**

**Ph.: (033) 22308125, 22628392, Mob:8877990087**

**Fax: (033) 2230 – 8125, E- mail: [powerpointpumps@yahoo.co.in](mailto:powerpointpumps@yahoo.co.in)**

**Website: [www.lpgpump.in](http://www.lpgpump.in)**

## **LPG PUMP SPECIFICATIONS**





## **AC LPG PUMP WITH SPARES**

### **AC LPG PUMP TECHNICAL SPECIFICATIONS:-**

*Pump Type:- AC (Electric supply) LPG Diaphragm Pump,*

*Pump Make:- “PowerPoint”*

*Pump Model:- AC-1 ,*

*Suction x Delivery Sizes:- ¼ ” x ¼ ”,*

*Pump Capacity :- 15 kg/7 Minute I.E 2.14 kg/Minute,*

*Maximum Pressure :- 22 kg/cm<sup>2</sup>,*

*Pump Weight :- 16 kg approx*

### **Material Of Construction:-**

*Standard Cast Iron Construction*

### **AC Motor Specifications:-**

*0.5 hp x 1450 rpm , **Non Flame Proof Motor** Totally enclosed Fan cooled Squirrel cage Induction Motors Horizontal Foot mounted B3 Construction, Continuously rated S1 Duty suitable for single phase , 220 volts , 50 Hz , AC Supply (110 volts or 60 Hz Available on request) with ambient 45°c & class “F” Insulation.*

### **SCOPE OF SUPPLY:-**

*Ac LPG Pump with Suction and Delivery Pipes with Valve, Regulator and extra Diaphragm.*

## **DC LPG PUMPS**



### **DC LPG PUMP TECHNICAL SPECIFICATIONS:-**

***Pump Type:-** 12 Volt DC (Battery Operated) LPG Diaphragm Pump,  
**Pump Make:-** “POWERPOINT”*

**Pump Model:- DC-1,**

**Suction x Delivery Sizes:- 1/4 " x 1/4 ",**

**Pump Capacity: - 15 kg/7 Minute I.E 2.14 kg/Minute,**

**Maximum Pressure: - 22 kg/cm<sup>2</sup>,**

**Pump Weight: - 6 kg approx**

**Material Of Construction:-**

**Standard Cast Iron Construction,**

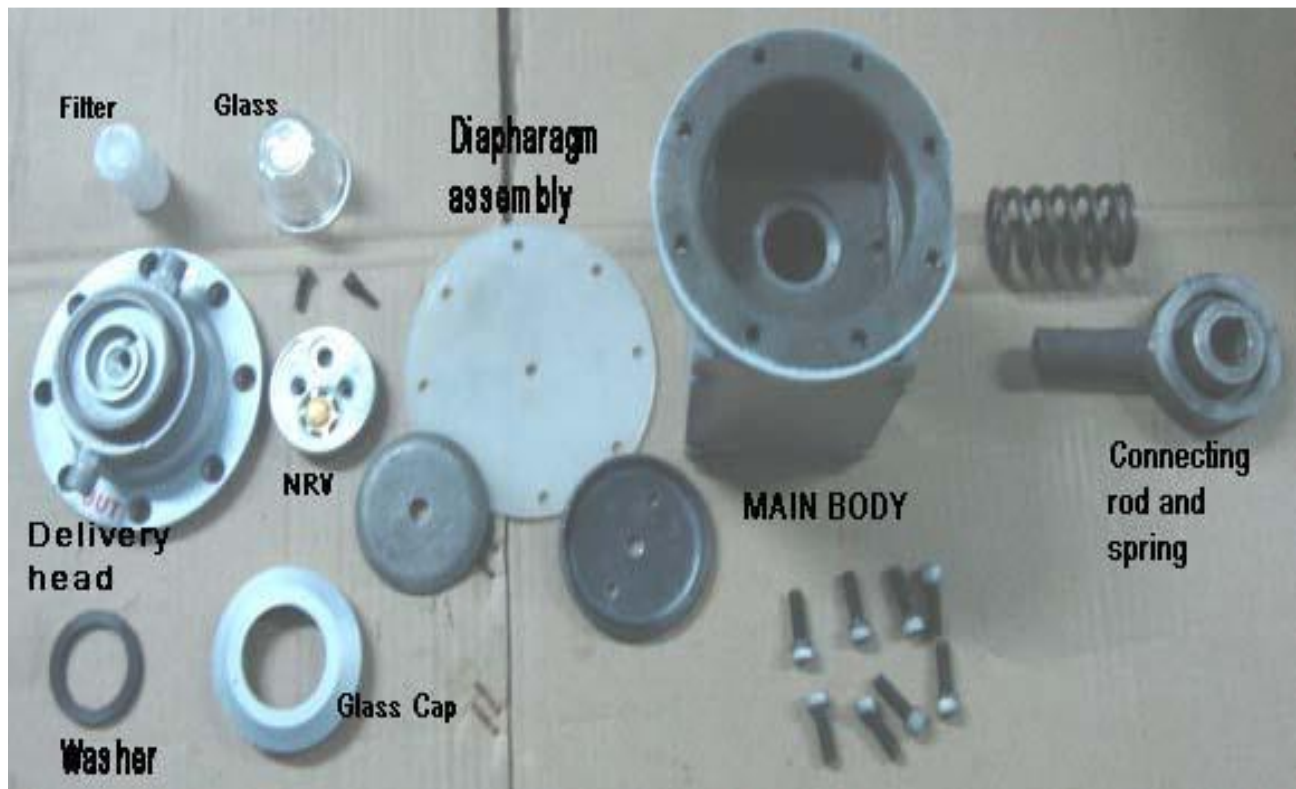
**DC Motor Specifications:-**

**12 Volt DC PMDC Motor suitable for above pump, Take approximately 3 ampere current.**

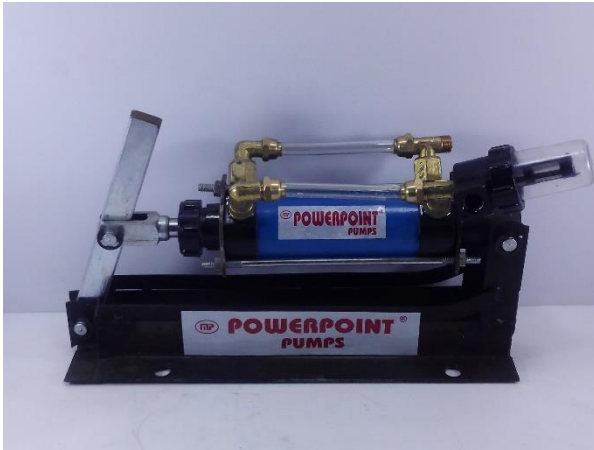
**SCOPE OF SUPPLY:-**

**Dc lpg Pump With Suction and Delivery Pipes with Valve, Regulator and extra Diaphragm.**

## **AC LPG PUMP AND DC LPG PUMP SPARES**



**MANUAL LPG PUMP**



## MANUAL LPG PUMP TECHNICAL SPECIFICATIONS

**Pump Type:-** Manual LPG Pump Piston Type 4 way non Return Valve Arrangement,

**Pump Make:-** “POWERPOINT”,

**Pump Capacity:-** 15 kg/15 Minute i.e. 1 kg/Minute, depend on no's of stroke per minute,

**Pump Model:-** MMLPG-1,

**Suction X Delivery sizes:-**  $\frac{1}{4}$  ” x  $\frac{1}{4}$  ”,”

**Maximum Pressure:-** 20 kg/cm<sup>2</sup>

**Pump Weight:-** 6 kg approx

**Material Of Construction :-**

Standard Cast Iron Construction,

### **SCOPE OF SUPPLY:-**

Manual lpg Pump With Suction and Delivery Pipes with Valve, Regulator, extra piston ring and Handle will come separately

## **ROTARY VANE LPG PUMP**



### **ROTARY VANE PUMP TECHNICAL SPECIFICATIONS**

***Pump Type:-Rotary Vane Pump,***

***Pump Make: - "POWERPOINT"***

***Pump Model: - RV-1,***

***Inlet x Outlet size: - ½" x ½" BSP,***

***Pump Capacity: - 5 kg/minute,***

***Pump Weight: - 5 kg approx (with out motor)***

***Material Of Construction:-***

***Standard Cast Iron Construction with Gun Metal Vane,***

***Required Motor Specifications:-***

***1 hp x 2900 rpm , Non Flame Proof Motor Totally enclosed Fan cooled Squirrel cage Induction Motors Horizontal Foot mounted B3***

# LPG PUMP INSTRUCTIONS

**CAUTION: DO NOT SMOKE / USE MOBILE WHILE USING PUMP**

1. Bring Pump Out Carefully From the carton Box
2. Start The Pump without Connecting Pipes and check Inlet & Out let.
3. Vacuum on One side and pressure on other side .It is in & Out of Pump.
4. Place Pipe (1) at In & Out Pipe (2) At Out Side
5. Turn Bottle Down and Fix Pipe
6. Put Pipe (2) to Another Bottle / Car
7. Now Start Open Valve Of Pipe (1)
8. Also Open Valve Of Pipe-2
9. Start Pump.
10. You can see Liquid Transfer from Pump through Glass
11. In case If Pressure Exceed, Up To 10 Kg/cm<sup>2</sup>, Then Gas will By Pass and Transfer in to Inlet Pipe Again.
12. If Sometime Pressure Increases more than 20kg/cm<sup>2</sup>, Then Stop Pump Immediately, Also sometime pump may stop automatically but some time Diaphragm may Rapture.
13. Bottle Empty, Pump Noise will be Different and also you can see No Liquid Transfer in Glass
14. Now stop the pump, Remove suction & Delivery pipes from bottle & car put Pump in Box
15. Video of Transfer of gas / changing Of Diaphragm enclosed.

**PRECAUTIONS:** - Never Close the Delivery side Valve when pump is running, otherwise Diaphragm will be damaged.

## FAQ FOR LPG PUMPS

**1. IS THIS PUMP SAFE : ? :**

*Yes it is 100 % safe, however you have to follow certain safely rules like: pipe threads must be tight fully to avoid gas leakage, open & close valve timely, do not use match box, lighter, cigar, mobile & anything which create spark near the gas transfer pump.*

## **2. CAN I RUN THIS PUMP DRY: ?**

*Yes you can run manual & diaphragm pump but you can not run vane pump dry for more than 2 minutes otherwise vanes get damaged or pump gets jammed.*

## **3. CAN I TRANSFER GAS FROM ONE TANK TO ANOTHER TANK ?**

*Yes you can transfer gas from bigger tank to smaller tank but not from smaller tank to bigger tank as you need higher pressure pump for such application*

## **4. CAN I USE THESE PUMP AS GAS / AIR SAMPLING PUMP. ?**

*Yes our diaphragm pump can be used as gas sampling or air sampling pump.*

## **5. IS GAS TRANSFER IS LEAGAL ?**

*It is ill-legal in India if you transfer LPG from Govt owned cylinder to your car cylinder. It is advisable to go LPG filling station in India, however in most of the other countries, it may be allowed*

## **6. ARE THESE PUMPS SUPPLIED WITH PIPE ?**

*Yes all pumps are supplied with suction pipe with valve suitable for cylinder and delivery pipe with gun suitable for car.*

## **7. WHAT OTHER PARTS SUPPLIED WITH PUMPS ?**

*Manual pumps come along with washer / rubber rings. Diaphragm pumps come along with extra diaphragm Vane pumps come along with extra vane & seals.*

## **8. CAN I BUY THESE PUMPS WITH FLAMEPROOF OR EXPLOSION PROOF MOTORS?**

*Yes all pumps can be available with flame proof / explosion proof single/three phasemotor*

## **9. ARE TOU ABLE TO OFFER PUMP IN 60 Hz OR DIFFERENT VOLTAGE?**

*Yes we also offer pump in 60 Hz / 50 Hz and in 110 volts / 210 volts / 380 volts as percustomer's requirements.*

## **10. HOW CAN YOU SEND THESE PUMPS?**

*We send these pumps by post / courier / ship as per customer's requirement.*

## **11. HOW CAN I PAY ?**

*You can send payment by TT / DD to our following bank account. Axis Bank A/c No-153010200005111 Mach PowerPoint Pumps India Pvt Ltd, Branch-Mukti Chambers Kolkata, India IFS Code-UTIB0000153/ SWIFT CODE : AXISINBB153*



**15. CAN I USE CAR BATTERY TO RUN PUMP ?**

*Yes in DC pump you have to use your car battery to drive pump.*

**15. HOW MUCH TIME IT WILL TAKE TO TRANSFER?**

*Please refer data sheet or each pump GAS*

*Manual pump 12-/14 minutes*

*Diaphragm Pump 7/8 minutes*

*Vane pump 1 / 2 minutes*

**16. IT WILL TRANSFER FULL GAS ?**

*Very small gas remains in the bottle at last because bottle is full of liquid, and During transfer of liquid, last liquid portion converted into gas. Which remains on upper part of cylinder so approx 2 to 3 % gas remain in the cylinder?*

**17. CAN I REPAIR PUMP AT MY PLACE ?**

*Yes any ordinary person can repair pump at home without any problem detail*

**18. DO YOU HAVE BIGGER PUMP FOR GAS TRANSFER ?**

*Yes we have bigger pump for gas transfer we give centrifugal and vane pump for such application.*

**19. CAN I CARRY THESE PUMPS, WITH ME ?**

*Yes all pumps are small in size and you can easily carry / lift the pump anywhere. CETNTRIPETAL AND VANE PUMPS ARE HEAVY*

**20. CAN I USE FOR OTHER APPLICATION ?**

*Yes these pumps are also used for spraying liquids in farms. as sprayer pump.*

**21. WHAT WILL BE THE FREIGHT ?**

*It depends up on location, check with your local courier freight from Kolkata , India as well.*

**22. IN HOW MANY DAYS YOU DELIVER PUMP?**

*We normally, take 6 / 7 days time for shipping of products. if quantity is more then we take some more time.*

**23. WHAT IS THE WARRANTY ?**

*We give one year warranty for products. However it's not applicable to diaphragm ,capacitor , seal , bearings and vane.*

**24. ARE SPARES EASILY AVAILABLE ?**

*Yes spares are easily available within 24 hours.*

**25. WHICH IS THE BEST MODEL ?**

*We recommend manual as it is more convenient to work without electricity and provides some exercise to the user !*

**26. WHY CYLINDER MUST BE IN DOWNWARD DIRECTION WHILE TRANSFERRING LPG ?**

*Because LPG is in liquid form only, upper portion of cylinder has some gas on upper part, so when you turn cylinder downward direction, liquid came Nearer to outlet portion of cylinder so gas transfer become easy.*

## **DC 12 Volt vacuum LPG Pump**



**MODEL** – DC 12 volt LPG Pump

**H.P** – 0.50

**VOLTAGE** – 12 Volt DC

**CAPACITY** – 2Kg/ minute

**WEIGHT** – 6 Kgs approx(Gross wt)

**ACCESSORIES** – Hoses, Valves, Cables & Plugs

## **AC LPG 220 VOLT PUMP**



***MODEL – AC LPG 220 volt pump***

***H.P – 0.50***

***VOLTAGE – 220 Volt***

***CAPACITY – 2Kg/ minute***

***WEIGHT – 9.5 Kgs approx (Gross Wt)***

***ACCESSORIES – Hoses, Valves, Cables & Clamp***