

LPG/PROPANE VAPORIZER



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► INTRODUCTION

It more important to utilized the Energy with most efficient manner and with best technological advanced product.

LPG/Propane Is the next generation fuel .LPG/Propane “Vaporizer is been used for converting Liquid phase of LPG/Propane into Gaseous Phase.

These are electrically heated Vaporizers with water as heat transfer media. The complete system is fully automatic and various interlocks and safeties are provided so that LPG vapor is produced to meet the demand and no liquid can flow downstream of the vaporizers. A fail safe device in the form of a float valve / level switch is provided to trap the liquid LPG. Vaporizers will have a SS Coil placed internally in the hot water. Bath. The LPG enters the coil and is vaporized. As described above, the interlocks between the pressure switch, solenoid valve regulate the flow of liquid LPG to meet the demand. A Flameproof Water Level Switch is immersed in the water Bath or Magnetically operated Water level Switch is provided on the Vaporizer in Premium models. This Switch is connected to Control Panel & it ensures that the water level in the vaporizer do not go below the predetermined level. This avoids accidental dry heating by electrical heaters. Electrically Heated Hot Water Bath Vaporizer Designed with best and latest technologies which help to consume maximum heat generated. As a result, water bath heating is carried out most efficiently and power consumption is minimized.

►► TECHNICAL SPECIFICATION

Type	Hot Water Bath , Electrically Heated LPG/Propane Vaporizer
Heat Transfer Media	Water
Configuration	Flameproof (Indirect Heating)
Design Code	Storage & Mobile Pressure Vessel,Rule.1981
Working Medium	LPG
Approval	The Chief Controller of Explosive(PESO),Nagpur
Working Pressure	14 Kgf/cm ²
Design Pressure	22 Kgf/cm ²
Hydro test Pressure	40 Kgf/cm ²
Pneumatic Test Pressure	27.5 Kgf/cm ²
Corrosion Allowance	1.0 mm

Design Temperature	-6 to 110 deg c
Water Bath Operating Temperature	60 to 80 deg c
Efficiency	92 %to 94%
Electrical Supply	230V – 50Hz
Material of Construction	
a)Water Bath b)Coil- c)Heater d)Electrical	MS (IS : 2062) Seamless ASTMA 106 GR.B SCH.40. SS 321 with Special Antirust Coating with FLP Enclosure Flameproof as per IS-2148 II& I
Capacity-	50 Kg /hr to 10,000 kg/hr

►► SCOPE OF SUPPLY

These are electrically heated Vaporizers with water as heat transfer media. The complete system is fully automatic and various interlocks and safeties are provided so that LPG vapor is produced to meet the demand and no liquid can flow downstream of the vaporizers. A fail safe device in the form of a float valve / level switch is provided to trap the liquid LPG. Vaporizers will have a SS Coil placed internally in the hot water. Bath. The LPG enters the coil and is vaporized. As described above, the interlocks between the pressure switch, solenoid valve regulate the flow of liquid LPG to meet the demand. A Flameproof Water Level Switch is immersed in the water Bath or Magnetically operated Water level Switch is provided on the Vaporizer in Premium models. This Switch is connected to Control Panel & it ensures that the water level in the vaporizer do not go below the predetermined level. This avoids accidental dry heating by electrical heaters. Electrically Heated Hot Water Bath Vaporizer Designed with best and latest technologies which help to consume maximum heat generated. As a result, water bath heating is carried out most efficiently and power consumption is minimized.

►► SAFETIES PROVIDED ON LPG REGULAR VAPORIZER

REGULAR	PRIMUM PLUS	SUPER PRIMUM	ULTRA PRIMUM
➤ Solenoid valve	✓	✓	✓
➤ Flame proof Control Panel/ Vaporized	✓	✓	✓
➤ Safety relief valve/ Pop Up Action Valve	✓	✓	✓
➤ Water Level Indicator	✓	✓	✓

➤ Float Valve	✓	✓	✓
➤ Specialized Heaters	✓	✓	✓
➤ Flameproof Enclosure	✓	✓	✓
➤ Safety Relief Valve	✓	✓	✓
➤ Pressure switch	✓	✓	✓
➤ Flameproof /Weather Proof Pannel	✓	x	x
➤ DIGITAL PANEL		✓	✓
➤ Pressure switch		✓	✓
➤ Water Level Switch (O)			✓
➤ Liquid Level Switch			✓

►► EXCLUSIONS

- LPG System for LPG Vaporizer
- Water Supply ,Drain ,Overflow Connection to Vaporizer
- Electrical work from and up to our terminal points and interconnecting cable.
- Loading, unloading and all civil work for installing the unit
- Labour, tools and tackles, utilities, (water, power, air, gas, etc) and consumables required for assembling and erecting spares for installation, operation and maintenance.
- Fuel and water and instruments and accessories for performance testing.
- Structural platforms, approach ladders for maintenance and operation of unit.
- Spares for installation, operation and maintenance.
- Any other item which is not specially mentioned in our offer.
- All Civil work related to opration of equipment
- Loading ,Unloading of Equipment at Site Location

►► SERVICES

SUPERVISION OF ERECTION & COMMISSIONING

1. The LPG/Propane Vaporizer Covered under this offer comes in a assembled condition. Unloading and assembling of this unit should be done at site. The services of our erection engineer who would offer guidance and supervision in this matter would be available at the charge mentioned in our offer(Additional Service charges is required for all services).
2. The service charge payable to us inclusive of:
 - Drawings : Terminal point's layout, foundation details (not foundation designs)
 - Documents : Instruction manual

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



UV/VIS
Spectro 2080+
Double Beam



Infra FTIR



Optima Gas
Chromatograph
3007



Optima Gas
Chromatograph
2979 Plus



Flash
Chromatograph



Atomic Absorption
Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



HEMA 2062
Hematology
Analyzer



Micro Plate
Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
CLIA



NOVA-2100
Chemistry Analyzer



PCR/Gradient PCR/
RTPCR



TOC
Analyzer



Laser Particle
Size Analyzer



Ion Chromatograph



Water purification
system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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