

# HEATERLESS VAPOURISER\*

A Revolutionary Energy Saving Product for your LPG Installation



**COST  
EFFECTIVE**



**SAFE &  
RELIABLE**



**LOWER  
MAINTENANCE**



**CLEAN &  
SUSTAINABLE**



Heaterless Vapouriser (HLV) Working

In conventional Electrical Vapouriser, liquid LPG passes through a coil immersed in a hot water bath at a temperature of 60°C and above. Electrical heaters are used for the hot water bath. Liquid LPG absorbs heat from the surrounding hot water and gets converted to LPG vapour.







The Heaterless Vapouriser works on the principles of thermodynamics. The system is designed to reduce the pressure and temperature of liquid LPG. The process to bring this cooled LPG to ambient temperature is achieved by a special heat exchanger. This heat exchanger works on continuous flow of water from a water storage tank in a closed loop circulation without water consumption. In the whole process, liquid LPG is converted to vapour at the requisite pressure and flow rate; which is then used at the end application.

Installation Requirements

HLV Capacity (Kg/hr)	Min. Water Storage Tank Size (KL)	or	Min. Cooling Tower Capacity (TR) & Sump Size (KL)
50	30		3 / 1.5
100	60		5 / 3.0
150	90		7.5 / 4.5
200	120		10 / 6.0
250	150		12.5 / 7.5
300	180		15 / 9.0
350	210		17.5 / 10.5
400	240		20 / 12
500	300		25 / 15
1000	600		50 / 30

**Note:** Water tank is not required if you have a cooling tower and it's water sump is used for water circulation to vapourisers. In the process, you increase the efficiency of your cooling tower by reducing the water temperature.

Key Benefits

-  High Savings (5.5-115 KW/hr)
-  Immediate Start Up
-  Trouble Free Operation (Dual Type)
-  Lower Maintenance
-  Safety (PESO Approved)
-  Reduced Carbon Footprint (30 - 635 MT/year)

Cost savings and Carbon Footprint Indicator

Vapouriser Capacity (Kg/hr)	Load (KW)		Monthly Running Cost (Rs)		Monthly Savings (Rs)*	Yearly Savings (Rs)	Yearly Reduction of Carbon Footprints (MT of CO2)
	Electrical Vapouriser	HLV	Electrical Vapouriser	HLV	HLV	HLV	HLV
50	6	0.5	22,680	2,520	20,160	2,41,920	30
100	12	0.75	45,360	3,780	41,580	4,98,960	62
150	18	1	68,040	5,040	63,000	7,56,000	93
200	24	1	90,720	5,040	85,680	10,28,160	127
250	30	1.5	1,13,400	7,560	1,05,840	12,70,080	157
300	36	1.5	1,36,080	7,560	1,28,520	15,42,240	191
500	60	2.2	2,26,800	11,088	2,15,712	25,88,544	320
1000	120	5	4,53,600	25,200	4,28,400	51,40,800	635

Working Assumptions: (1) Vapouriser is operational for 24 hrs a day (2) For electrical heaters are in 'On' mode for 75%, rest in 'Off' mode (Thermostat Effect) (3) 30 working days per month (4) Electricity tariff: Rs. 7 per Kwh

\*Disclaimer: Individual results may vary depending on operating conditions.

About SUPERGAS

SHV Energy Private Limited is a 100% subsidiary of Dutch Multinational SHV Energy N.V, Global leader in LPG Industry. It operates in more than 20+ countries and supply LPG to 3 Crore Customers across 4 continents. Established in India in 1996, SHV India has built a reputation as the leading LPG player with national presence having access to 6 import terminals and more than 20+ filling plants. Popularly known by its brand name SUPERGAS, we have retained the coveted CRISIL Rating No.1 since inception for our technical excellence, prompt customer service and strong commitment to safety.

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