

# Mass Flow Meter

An opportunity to optimize energy costs for LPG/PROPANE



## What all can be measured?

The multi variable sensors in Mass Flow Meter measures simultaneously:

Rate of Mass Flow | Density | Temperature | Viscosity

In most of the industries, fuel cost is a crucial component of the total production cost. Fuel cost is also rising day by day for various reasons.

**Do you have enough control over your consumption of LPG/Propane in your industry?**

**Are you able to correctly measure its use to optimize fuel cost?**

SUPERGAS provides solutions to the above questions by offering a high quality, robust and accurate Mass Flow Meter (Endress + Hauser make) for measurement of consumption of LPG/Propane for various applications on time period basis and per unit production basis.

**WORKING**

LPG/Propane Mass Flow Meter utilizes the Coriolis Principle to measure the mass flow rate. As soon as the fluid (LPG/Propane) starts to flow in the tube, additional twisting is imposed on the oscillation as a result of fluids inertia. Due to Coriolis Principle, the inlet and outlet sections oscillate in different directions which are detected by the highly sensitive sensors. This gives a direct measure of the flow of Liquid or Gas in the pipe.

**INSTALLATION AND COMMISSIONING**

Our expert engineers will carry out the installation and commissioning of the meter at your Industry/Unit. In addition, they will also impart training on operation to the concerned people.

**MODELS**

S.No	Model Number	Size (NB)	Maximum Mass Flow (in Kg/hr)		Flange Type & Class
			Liquid (LPG/Propane)	Vapour (LPG/Propane)	
1	80E15-AAASAADABCBA	15	6500/6500	239/221	ASME B 16.5;150#
2	80E25-AAASAADABCBA	25	18000/18000	583/538	ASME B 16.5;150#
3	80E40-AAASAADABCBA	40	45000/45000	1498/1346	ASME B 16.5;150#
4	80E50-AAASAADABCBA	50	70000/70000	2268/2093	ASME B 16.5;150#
5	80E15-AABSAADABCBA	15	6500/6500	239/221	ASME B 16.5;300#
6	80E25-AABSAADABCBA	25	18000/18000	583/538	ASME B 16.5;300#
7	80E40-AABSAADABCBA	40	45000/45000	1498/1346	ASME B 16.5;300#
8	80E50-AABSAADABCBA	50	70000/70000	2268/2093	ASME B 16.5;300#

# For installations without LPG/ Propane Pump, it is recommended to use Mass Flow Meter on vapour line. This is because even a small presence of vapour in liquid phase can affect the performance of the equipment.

# For measuring the flow rate of LPG/ Propane in Liquid phase, it is advised to install Mass Flow Meter immediately after LPG/ Propane pump to avoid presence of vapour.

**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.

**VALUE FOR MONEY**

- Universal measuring principle for liquids and gases
- Easy to Install
  - Plug and play type
  - Can be installed both horizontally and vertically
- Highly accurate  
(Liquid: ±0.30%; Vapour: ±0.75%)
- Measuring principle is independent of the physical fluid properties
- Remains unaffected by flow profile
- Easy to operate and maintain

**CUSTOMIZATION**

Fully customized to meet the varying requirements of Customers, our system comes with the best specifications to ensure precision.

**Regional Office Contact Details**

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