



Application note: Chemical

KROHNE

▶ measure the facts

▶ Measuring specialty products accurately

A well reputed specialty product manufacturing company in India was facing a problem with flow measurement of their finished products. Accuracy was affected due to the stickiness and viscosity of the products. The product viscosity and density would change with the slightest variation in process temperature, further affecting measurement accuracy.

The mass flow meters installed at the plant choked frequently and required regular maintenance. The tendency of the product to pool at the bottom due to increased viscosity at lower temperatures also demanded that the product be pumped at temperatures higher than what the flow meters could handle.

The Ideal Solution : The OPTIMASS Series

When the customer approached KROHNE for a solution, we carried out a detailed technical analysis of all the applications and then recommended our high temperature OPTIMASS 6400 and straight tube OPTIMASS 1300 based on application and process requirement.

Meter sizes were carefully selected such that best possible online measurement accuracy was obtained with minimum pressure loss. The meter design itself ensured that the product did not settle on the inner walls of the meter. At present, 36 nos. KROHNE mass meters are installed at this plant.



Due to KROHNE's superior design and reliable performance, the customer used only KROHNE meters in all their expansion projects. This speaks highly about the customer's confidence in the performance of KROHNE Coriolis mass flow meters.

Process parameters

Flow	:	500 to 2500 kg/hr
Temperature	:	100 to 230°C
S.G.	:	0.85 to 0.91
Pressure	:	3 kg/cm ² g
Viscosity	:	21 to 130 cp
Products measured	:	Various products like fatty acids, glycerine, industrial oils etc.

Why KROHNE

- Innovative design
- Reliable performance
- Low pressure drop
- No maintenance
- Fit and forget solution

Note: The subject flow meters cannot be used as a weight or measures under the Legal Metrology Act. Specifications subject to changes without prior notice DOC#FMKRH/0821/2335/V1.R0