

Gas Meters

Diaphragm Gas Meters meet the highest demands with respect to accuracy of measurement and safety. It incorporates both innovative features and gas measurement know-how of many decades. These Gas Meters are supplied in folded form as co-axial and two-pipe versions.

Conform with OIML R31

Conform with EN1359

The stroke of the diaphragms is pneumatically stopped and therefore ensures both low bearing loads and a quiet operation. The synthetic diaphragm is dimensionally stable and stadium shaped. High-grade materials and components as well as the patented curve K-System ensure a high quality standard. The K-System perfectly coordinates the movement of the valves with the actual gas flow to the measuring chambers. This ensures excellent linearity even with utilizing small valves. Due to the optimized slides, Qmin these meters is stable and the gas meter is not susceptible to contamination. The measuring unit is adjusted by a patented needle-and-scale system. Although the design of these Gas Meters is very robust, the gas meters are still measuring instruments and as such should be handled with care.

Operating principle: Four measuring chambers are separated by synthetic diaphragms. The chambers are filled and emptied periodically, and the movement of the diaphragms is transferred via a gear to the crankshaft. This shaft moves the valves, which control the gas flow. The rotations of the gear are transferred via a magnetic coupling to the index.

Application:

Media: Natural gas, town gas, LPG, PNG, propane, butane, air

Industry: Gas supply

Tasks: Gas measurement at operating conditions

