

GLCC MPFM

In different steps of production, measuring oil, water, and gas flow rates is crucial to understanding the well. Our designed GLCC multiphase metering system provides online flow rate information. The main components include a gas-liquid cylindrical cyclone (GLCC) separator, flow-metering instruments, and level control valves.

Our multiphase metering system can work in the real high pressures and real temperature range and the corrosive fluid. A cyclonic flow pattern is created which induces bulk separation of the liquid and gas phases into separate pipes.

Specifications

Gas Volume Fraction (GVF)	0 to 99%
Water in Liquid Ratio (WLR)	0 to 100%
Design Temperature	32 to 180 °F
Design Pressure	100 to 1500 psi

Measurement Error

GVF	Water Rate (absolute)	Oil Rate (Relative)	Gas Rate (Relative)
0 to 75 %	2.3%	4%	6%
75 to 90 %	2.3%	4%	6%
90 to 95 %	2.3%	5%	8%
95 to 99 %	2.3%	5%	10%