

# MUD Gauges



## MODEL : MUDG

### Features

- Designed for Oil industries / Coal industries.
- This Gauge is specially designed to measure the pressure of pulsating fluids including solid particles in suspension of stand pipe of mud pumps.
- It can also be used for any other fluids.
- Its sturdy construction can undergo severe working conditions.
- The pressure ranges meet every requirement of the oil industry.
- Pressure too high indicates a plugged drill bit or an increase in mud density or viscosity. Early indication of mud pump pressure provides an early warning of circulation problems enabling driller to make suitable corrections and helps to avoid major problems.



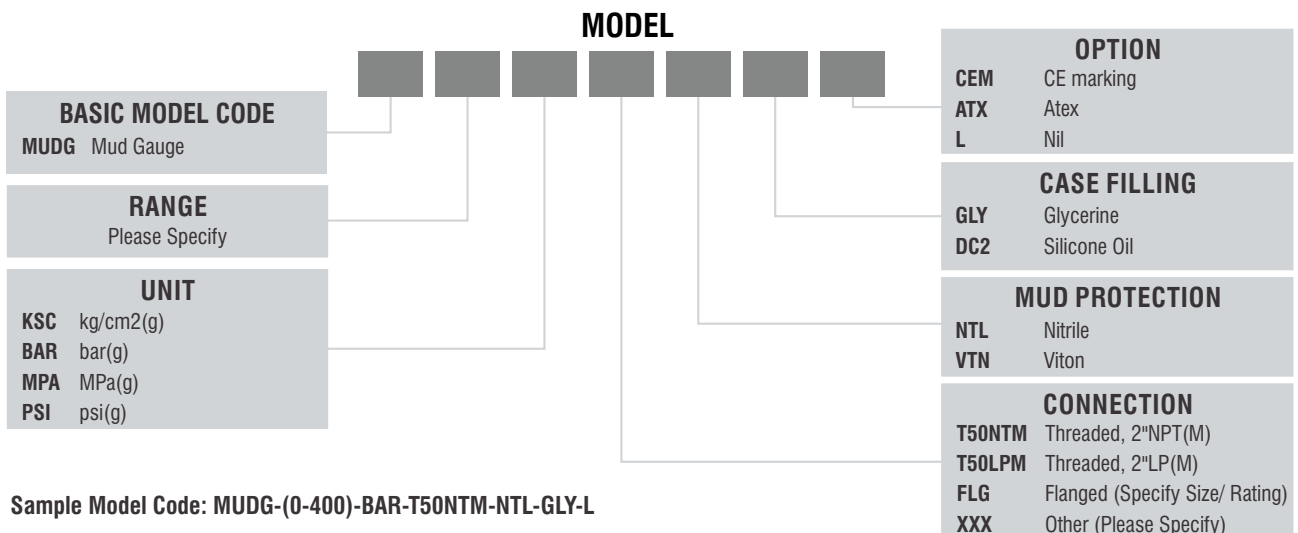
### Operating Principle

- The pressure is transmitted by a stainless steel diaphragm (1.4404/AISI 316L) to a liquid (silicon oil) which totally fills the Bourdon tube, the capillary tube and the pressure chamber.
- A rubber plug isolator protects the stainless steel diaphragm from the circuit.
- The sudden pressure variations are dampened in the capillary tube (connection pipe)
- The whole pressure element is mounted in an oil-filled case which absorbs all the displacements of the movable parts as well as the external vibrations.
- The oil also ensures the lubrication of the linkages, eliminates corrosion and avoids condensation on the window of the pressure gauge.

### Specifications

<b>Dial</b>	Nominal gauge size - 4" (100 mm)	<b>Accuracy</b>	± 1% FSD
<b>Dial type</b>	Moving (Rotating), Aluminium, white background, black markings	<b>Over range</b>	130% FSD
<b>Window</b>	Perspex Safety Glass	<b>Sensing Element</b>	SS 316L, Diaphragm
<b>Bourdon Tube</b>	SS 316	<b>Seal Chamber</b>	SS 316, Hexagonal
<b>Movement</b>	SS 304	<b>Sealing Fluid</b>	Silicone Oil
<b>Range</b>	0 to 100 Bar Min to 0 to 420 Bar Max	<b>Mud Protection</b>	Nitrile / Viton Rubber Pad
<b>Case</b>	Die Cast Al weatherproof to IP-68	<b>Process Connection</b>	2" LP(M) / 2" NPT(M) / Flanged
		<b>Case Filling</b>	Glycerine / Silicone Oil
		<b>Option</b>	CE, Atex

### Ordering Information



The parameters mentioned here are the standard specifications / values generally used for most of the process applications. Any other specification not appearing here also can be provided as per customer requirement.