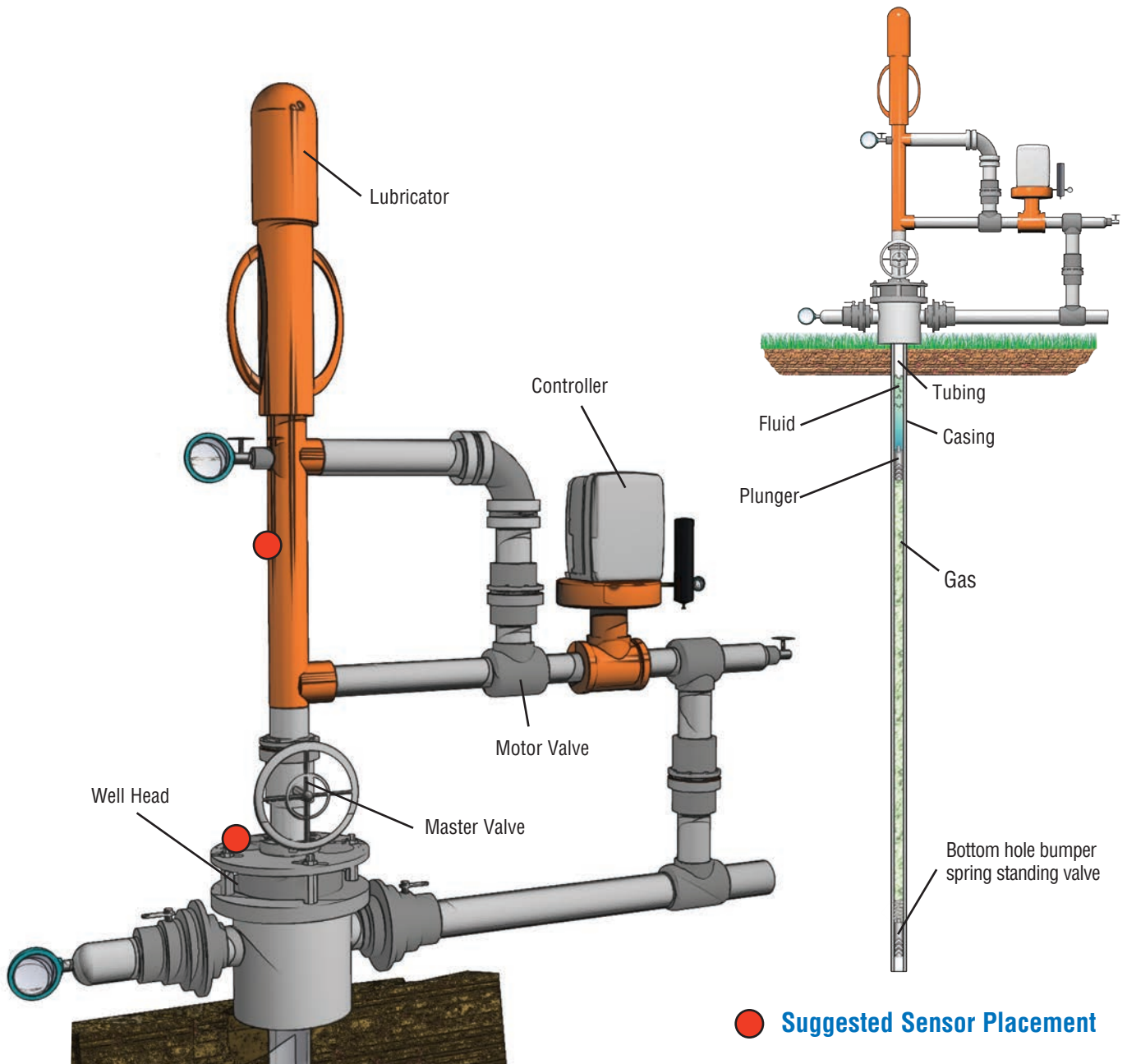




OIL & GAS WELLS AND PIPELINES

ENERGY & POWER GENERATION

Sensors that offer hazardous area approvals are widely used on gas and oil well heads, supply lines, natural gas power engines, multi-stage gas compressors and other machinery operating in hazardous environments. Piezoelectric pressure sensors offer the capability to detect and monitor dynamic pressure spikes, pulsations and surges in gaseous or liquid media. Engine pressure sensors offer walk-around or permanent monitoring capability, allowing engine balancing and emissions control. Vibration monitoring has proven effective for determining machinery health, planning maintenance intervals, reducing downtime and avoiding catastrophic loss.



MOTORS & PUMPS

CE

SP®

Ex



4-20 MA VIBRATION TRANSMITTER

MODEL EX640B71

- Available in velocity or acceleration output
- ATEX / CSA approved with explosion proof conduit
- Top exit, 2-pole terminal block

CE



LOW COST ICP® ACCELEROMETER

MODELS EX607A11 & EX607A61

- Unique 360° Swivel Design
- Allows for easy cable orientation

CE



SHEAR ICP® ACCELEROMETER

MODEL EX622B01

- Sensitivity: (±5%) 100 mV/g (10.2 mV/(m/s²))
- Frequency Range: (±3dB) 12 to 900000 cpm (0.2 to 15000 Hz)
- Sensing Element: Ceramic

COMPRESSORS

CE

SP®



4-20 MA PRESSURE TRANSMITTER

SERIES 1503

- Ranges from 300 to 10,000 psi
- Withstands sour gas environments
- 1/2" NPT fitting

CE

SP®



RECIPROCATING MACHINERY PROTECTOR

MODEL EX649A71

- Machinery RPM Range: 240 to 10000 cpm (4 to 166 Hz)
- Sampling Time: 0.2 to 6.4 sec
- Temperature Range: -40 to 212 °F (-40 to 100 °C)

CE

SP®

Ex

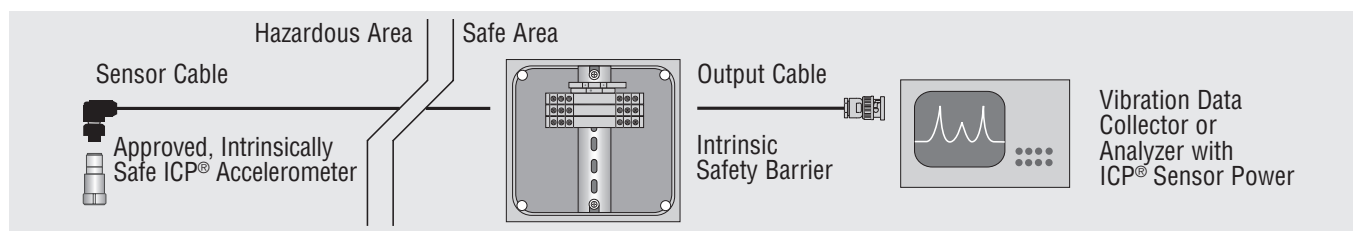


ICP® PRESSURE SENSOR

MODEL 121A44

- Sensitivity: 10 to 100 mV/psi (1.45 to 14.5 mV/kPa)
- Measurement range: 50 to 500 psi
- 316 stainless steel diaphragm
- 1/4" NPT fitting

TYPICAL INTRINSICALLY SAFE INSTALLATION





3425 Walden Avenue, Depew, NY 14043 USA

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IMI Sensors offers a wide range of industrial vibration sensors, bearing fault detectors, mechanical vibration switches, panel meters, cables, and accessories for predictive maintenance and equipment protection. For power generation and energy applications requiring precision measurements, IMI also offers pressure sensors and accelerometers.

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