

# SOLENOID CONTROL



The **Solenoid Control Interface (SCI)** allows the Eagle **XA Series™** products to perform remote control of pressure or flow.

An existing gas regulator can be converted to remote control pressure or flow without requiring any process piping modifications. Only some instrument tubing and regulators are required for the interface to the **SCI**.

The **SCI** is designed to operate self contained or pilot operated pressure regulators. It can also be used to control diaphragm actuated instrument valves.

- Intrinsically safe - when using IS Barriers
- Low Power - 24V with IS Barriers, 12V without
- Requires no power when not making adjustments
- On power failure, SCI blocks in the loading pressure at last position
- Mechanical spring in either the process or pilot regulator sets the low operating pressure limit
- Quick response to load changes, with mechanical regulator or pilot responding
- Venting only occurs during unloading control process unlike continuous bleeding when using traditional I/P transmitters.

# PLUNGER LIFT

Maximizing production in a natural gas well as energy prices for both natural gas and liquids continue to rise as a primary importance to every gas well operator.

Eagle Research has developed a solenoid actuated **Plunger Lift Control** box that when coupled with an Eagle XA Series flow computer can constantly analyze and adaptively control a well's production. Through constant monitoring of casing and tubing pressures, the system can control the dropping of the plunger into the well and attempt to assure that it makes a full trip on each run.

Flow rates, production data and plunger arrival statistics in conjunction with tank level monitoring give the operator a complete picture of well performance.

