

Well Head Level Control GOSP Geothermal

TECHNICAL DESCRIPTION OF APPLICATION

Most well heads are in remote locations with only electric power available. Efficient, no maintenance actuators are mandatory for such installations. As with most pipeline applications, a unit with high stiffness and fast response is required.

GOSP

Most crude contains a large proportion of dissolved gases. As the pressure is reduced at the valve, the gases explode out of solution. The vibration and erratic forces exerted on a valve can only be resisted by a hydraulic actuator. The **REXA Xpac** is ideal for this service.

GEOHERMAL

The brine water withdrawn from a geothermal well is superheated to pressures in excess of 400 psi. The steam is drawn off by flashing the brine in the well head separator. There is a level in the drum which will maximize the efficiency of the energy obtained from the brine. A control valve on the brine discharge line is used to maintain this level. Erosion and brine build-up make control erratic and require frequent valve cleaning. The **REXA Xpac** has improved level control and greatly extended the maintenance interval.

MAJOR ADVANTAGES OF REXA

Low deadband and high stiffness enables the **REXA** actuators to achieve tighter control of the fluid level in the Well Head Separator. The small size reduces the time and manpower required for valve maintenance.

- **Low Deadband**
- **High Stiffness**
- **Small size**
- **Active Anti-stall software to overcome brine build-up in valve**