

# DURA PRESSURE CONTROL REGULATOR

## Designed To Simply And Effectively Control Well Fluid Pressures On Pumping Or Flowing Wells

The Dura pressure control regulator is spring-loaded to maintain a preset pressure ranging from 0 to 1,500 psi [0 to 10.3 MPa]. The spring adjustment is located outside the valve body for ease in setting and for safety and the adjusting screw is secured from accidental movement by use of a lock nut.

### DESCRIPTION AND OPERATION

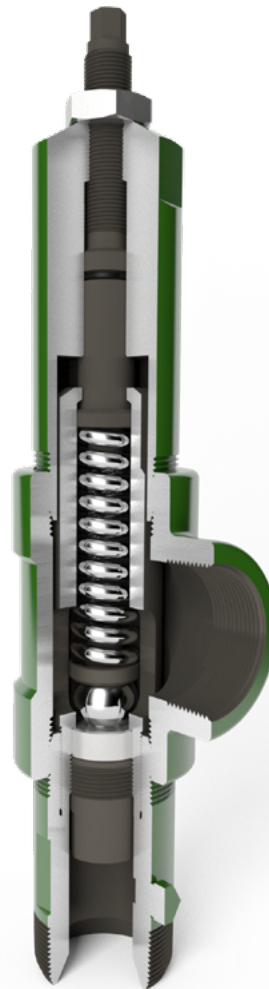
Operating advantages of a DURA pressure control regulator include the following:

1. Decreased paraffin deposits by holding gas in solution
2. Longer life for stuffing box packing by minimizing a constant operating load
3. Longer life to all pumping equipment by maintaining a constant operating load
4. Decreased tendency of wells to bridge or sand heave
5. Reduces the measured gas/oil ratio (GOR), which in turn conserves reservoir energy
6. Extends bottom hole pump life by the equalizing fluid column and the formation pressures on pump valves

The DURA pressure control regulator can adjust immediately to fluctuations in well pressure. The spring loaded action also keeps the valve clean and free from abrasive particles.

A cadmium-plated carbon steel spring and an API stainless steel ball and seat are standard equipment, but other grades of balls and seats are available. A 1/4 in. [6.3 mm] tap is provided upstream of the valve so that pressure across the valve may be checked before it is serviced. The adjusting screw is designed with a 'belled' end sealed with an O-ring. The body is available as either a forged steel tee or cross. Springs are available with the following settings:

0 to 250 psi, 0 to 500 psi, 0 to 1,000 psi, and 0 to 1,500 psi. The regulator body pressure is rated at 2,000 psi.



### APPLICATION

- Pressure control regulation

### BENEFITS

- Holds gas in solution
- Maintains constant operating load

### FEATURES

- Available in tee or cross configurations
- Spring loaded to maintain preset pressure
- Blowout-proof stem