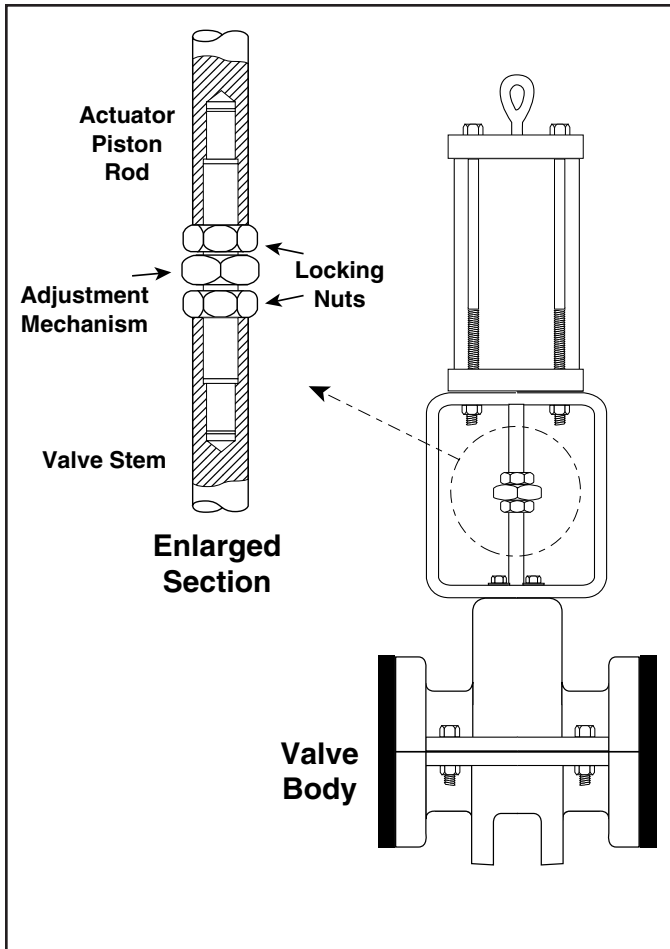




Control Valve Technical Information

Stroke Adjustment Unit



The Stroke Adjustment Unit is standard on all Red Valve Series 5200 Control Pinch Valves. The unit consists of a three-piece assembly which fits between the actuator's piston rod and valve stem; this allows the user easy field stroke adjustment of up to 1" on the Series 5200 Control Pinch Valve sleeve.

The adjustment unit is located inside the valve "yoke" for easy accessibility. The Stroke Adjustment unit offers the following advantages:

- ▶ Customers can fine tune flow control by making small stroke changes to the easily accessible Stroke Adjustment unit.
- ▶ Adjustments can be made to compensate for sleeve wear which is particularly important on abrasive, slurry control applications.
- ▶ Simplifies actuator maintenance by creating a removal point in the valve stem.

The Stroke Adjustment Unit consists of three components: a turnbuckle, threaded left-hand at the stem end and right-hand at the cylinder end, and two jam nuts. To adjust the stroke zero-point, both jam nuts must be loosened, and the turnbuckle turned clockwise to shorten the stem assembly or counter-clockwise to lengthen it. The jam nuts are then tightened to lock the new length of the stem assembly.

To remove the cylinder actuator, loosen only the cylinder-end jam nut by turning it clockwise, and use the flats on the piston rod to turn it counter-clockwise until it comes free of the turnbuckle thread. The actuator tie rod nuts can then be removed and the entire actuator assembly lifted from the valve yoke. The Stroke Adjustment unit is standard on all Series 5200 Control Pinch Valves.

Materials:

The standard material for the turnbuckle and the jam nuts is 304 Stainless Steel.