**Wireline Riser Tensioner (WRT)**

The wireline tensioner provides positive tension to the marine riser, and compensates for the relative motion between the riser and the drilling rig. The tensioners are installed diametrically opposite to each other. This is to avoid any lateral forces in the riser tensioning ring when reducing tension in one unit (bleeding off air for wire rope travel).

A fluid connection block is installed between the accumulator and cylinder to prevent damage on the cylinder and other equipment.

Accumulator gas side is connected to a gas reservoir to obtain constant tension in marine riser pipe.

Centralized control of tensioners

Driller's control panel interfaces with control unit for operator to start, operate, monitor or shut down the system.

**N-Line Riser Tensioner (NRT)**

The wireline tensioner provides positive tension to the marine riser, and compensates for the relative motion between the riser and the drilling rig. The tensioners are installed diametrically opposite to each other. This is to avoid any lateral forces in the riser tensioning ring when reducing tension in one unit (bleeding off air for wire rope travel).

A fluid connection block is installed between the accumulator and cylinder to prevent damage on the cylinder and other equipment.

Accumulator gas side is connected to a gas reservoir to obtain constant tension in marine riser pipe.

Centralized control of tensioners

Driller's control panel interfaces with control unit for operator to start, operate, monitor or shut down the system.