

Accumulator Closing Units

An accumulator closing units is a well pressure-control system typically incorporate enough accumulator capacity to enable the blowout preventer to be operated with all other power shut down.

The accumulator control system is used to open and close the annular BOP as well as the various ram assemblies of the ram BOP's.

Energy is stored by compressing a pre-charged gas bladder with hydraulic fluid from the operating or charging system.

Depending on the fluid volume and pre-charge pressure of the accumulator, a limited amount of hydraulic energy is then available independent of any other power source.

Accumulator closing units come in various configurations depending on the size and configuration of the BOP assembly, drilling application, requirements, or specifications.

The accumulator unit is controlled by BOP Remote control panels (usually 1 ea. on the drill floor or dog house, 1 ea. in the company man office and sometimes 1 ea. in the rig manager's office connected to the accumulator by either pneumatic, hydraulic, or fibre optic, control hose (umbilical hose) assembly.

