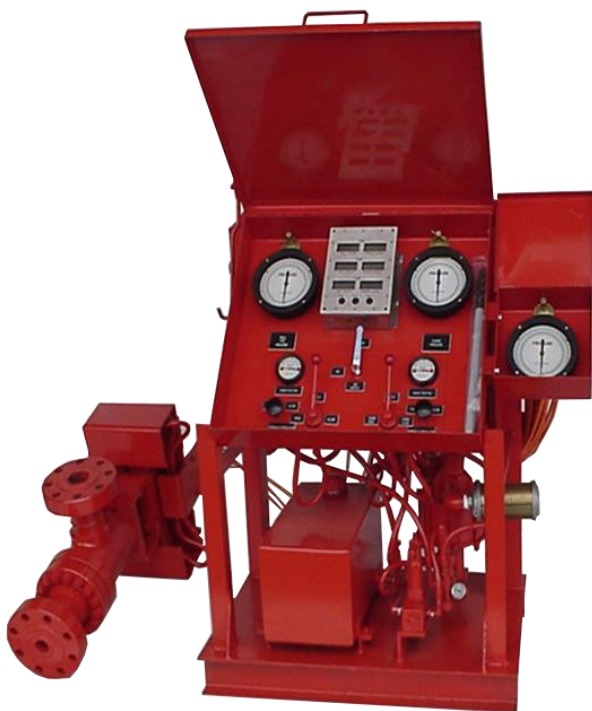


### Choke Manifold

Choke and kill manifolds provide control of flow back or treatment fluids. The choke and kill manifold system consist of high-pressure valves, chokes, pressure sensors, connecting blocks, spool spacers, buffer tanks, flanges, and instrumentation configured together.

The choke & kill manifold consists of a set of high-pressure valves and associated piping that usually includes at least two adjustable chokes, arranged such that one adjustable choke may be isolated and taken out of service for repair and refurbishment while well flow is directed through the other one.

Choke & Kill manifolds come in various configurations depending on the drilling application, requirements, or specifications



### Hydraulic Adjustable Choke

A valve usually used in well control operations to reduce the pressure of a fluid from high pressure in the closed wellbore to atmospheric pressure. It may be adjusted (opened or closed) to closely control the pressure drop.

Adjustable choke valves are constructed to resist wear while high-velocity, solids-laden fluids are flowing by the restricting or sealing elements

Most choke & kill manifolds will have at least 1 hydraulic choke and 1 manual choke installed on the manifold.

The hydraulic choke will also have a manually operated remote control panel usually mounted away from the choke & kill manifold (sometimes on the drill floor) connected to the choke & kill manifold by hydraulic hoses.