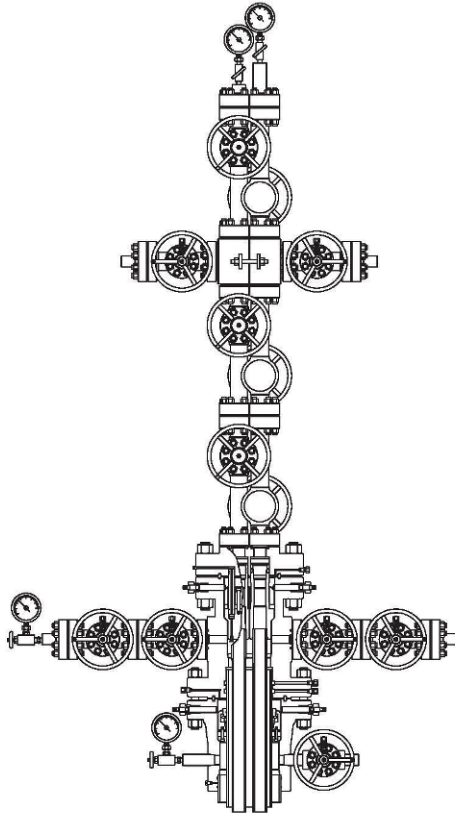


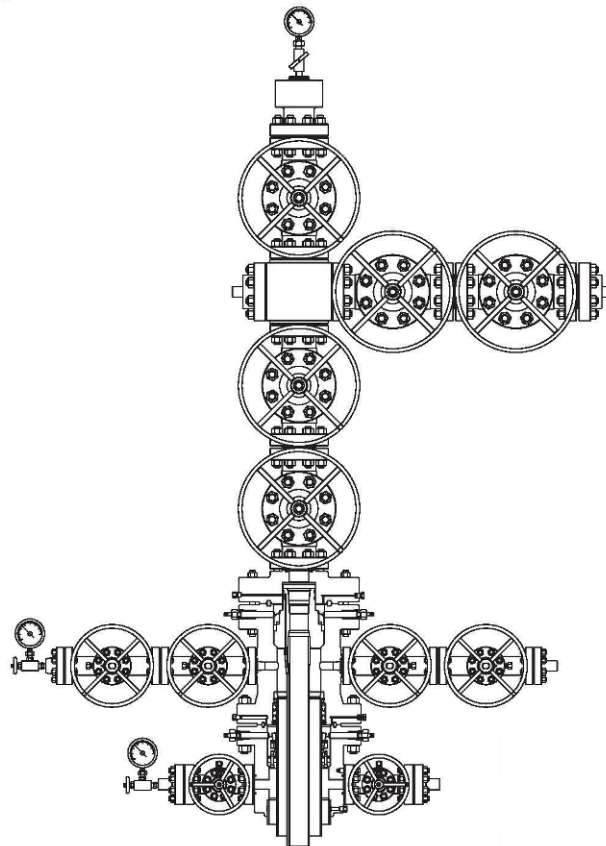
Typical Wellhead and Tree Configurations



Dual Completion
3,000 or 5,000 PSI



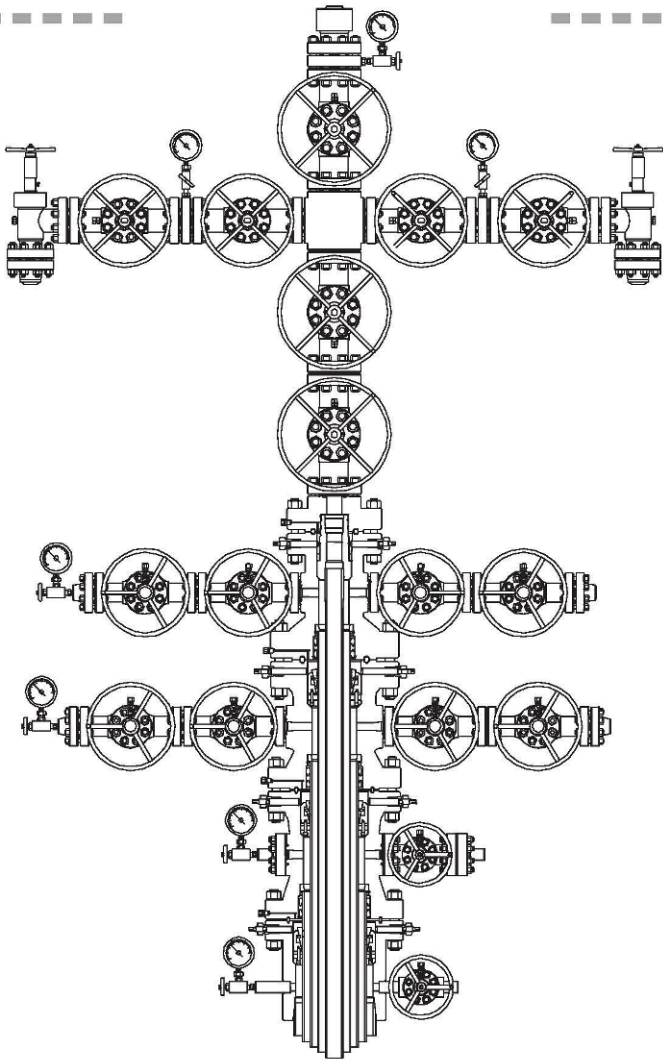
Single Completion
3,000 or 5,000 PSI



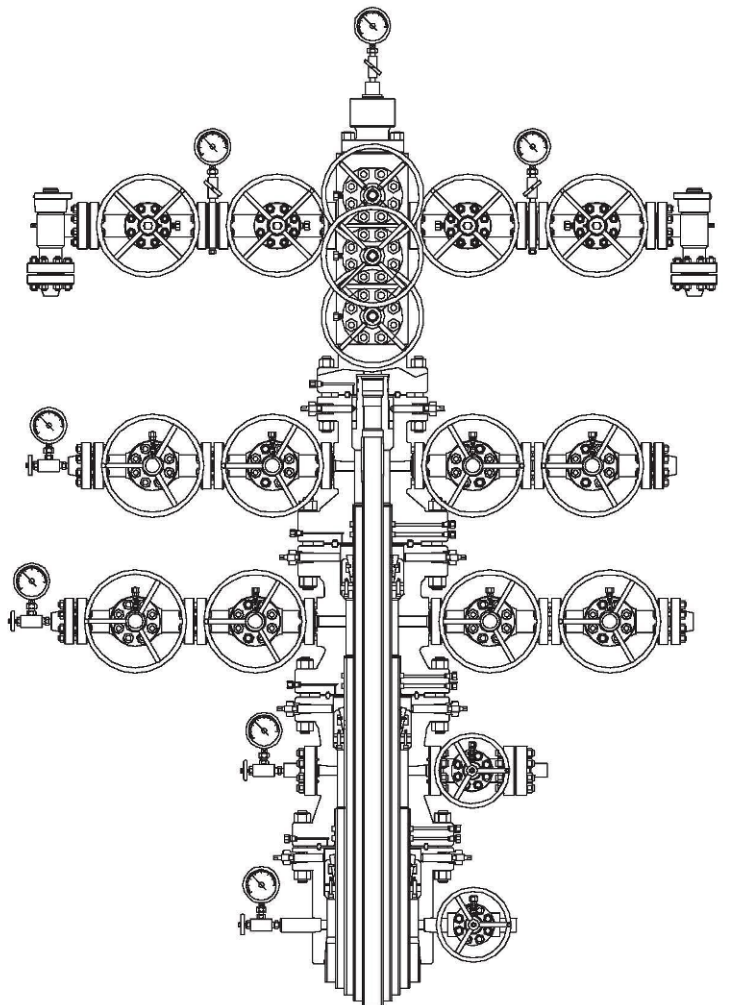
Typical Wellhead and Tree Configurations



Single Completion
5,000 or 10,000 PSI



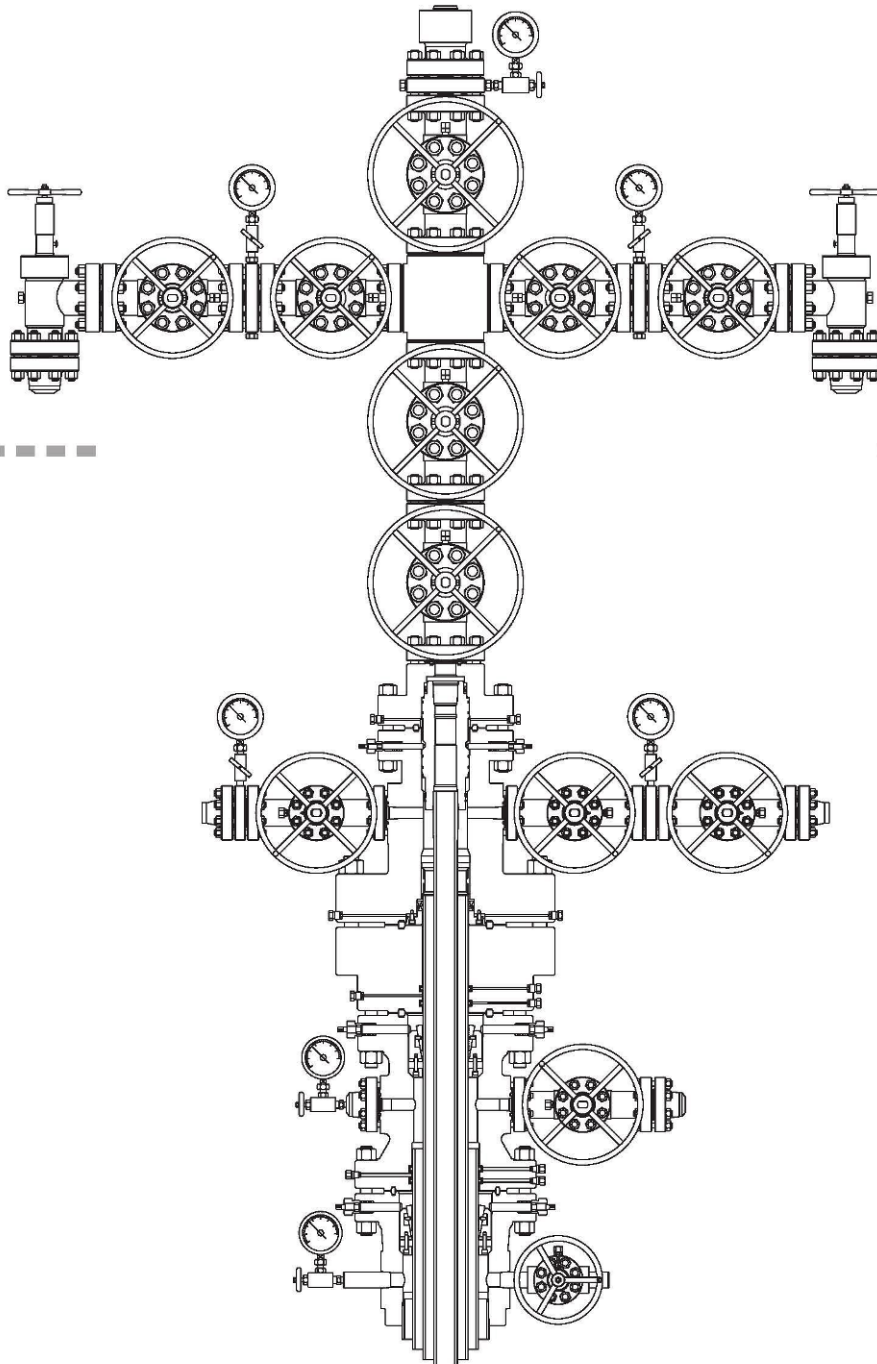
Single Completion - Block Tree
5,000 or 10,000 PSI



Typical Wellhead and Tree Configurations



It is recommended for critical service applications up to 15000 PSI.
Tubing hanger seal is metal to metal seal - TH-MBS type
Secondary seal is metal to metal seal - UZ-M type



Single Completion
15,000 PSI

Unihead Wellhead Equipments

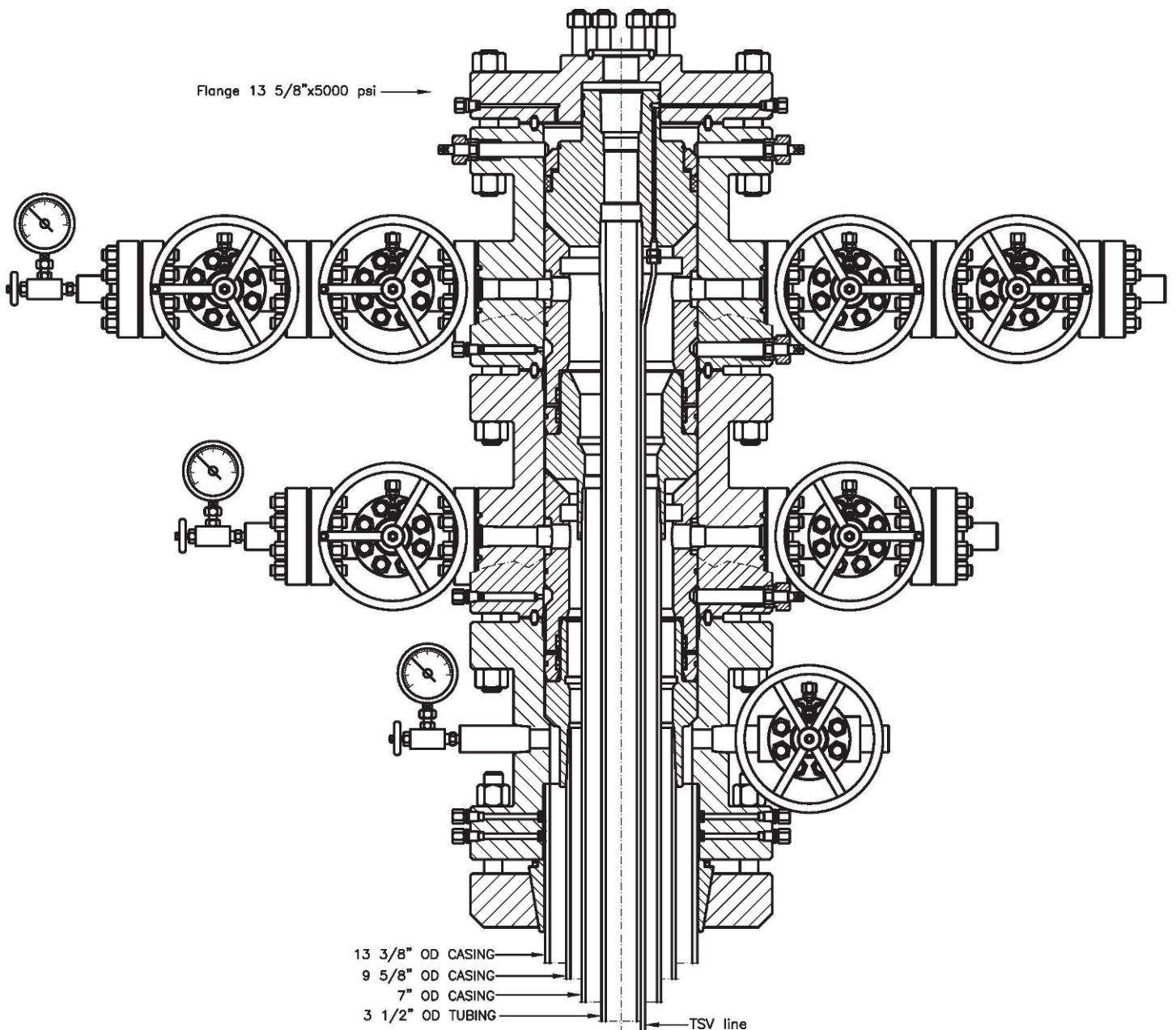


By avoiding disconnection of the BOP at each stage of the drilling operation, the safety aspect is significantly strengthened. Removing and installing the BOP's which can weigh 15 tons or more can be very dangerous even when all the safety rules are followed. By eliminating one BOP change we are minimizing the exposure and enhancing safety. Our Unihead Wellhead only needs the BOP stack to be installed one time.

When setting traditional slip hangers the BOP stack must be lifted to set the slips, at this point the well is effectively open, this is the time when if gas penetrates the cement, then mud weight can be lost and the well can begin to flow leading to a blow-out. The easy solution is not to lift the BOP stack, by using Unihead Wellhead.

Time savings and cost reductions are made due to the simplified design of Unihead Wellhead system and the elimination of the requirement for a second BOP stack and riser.

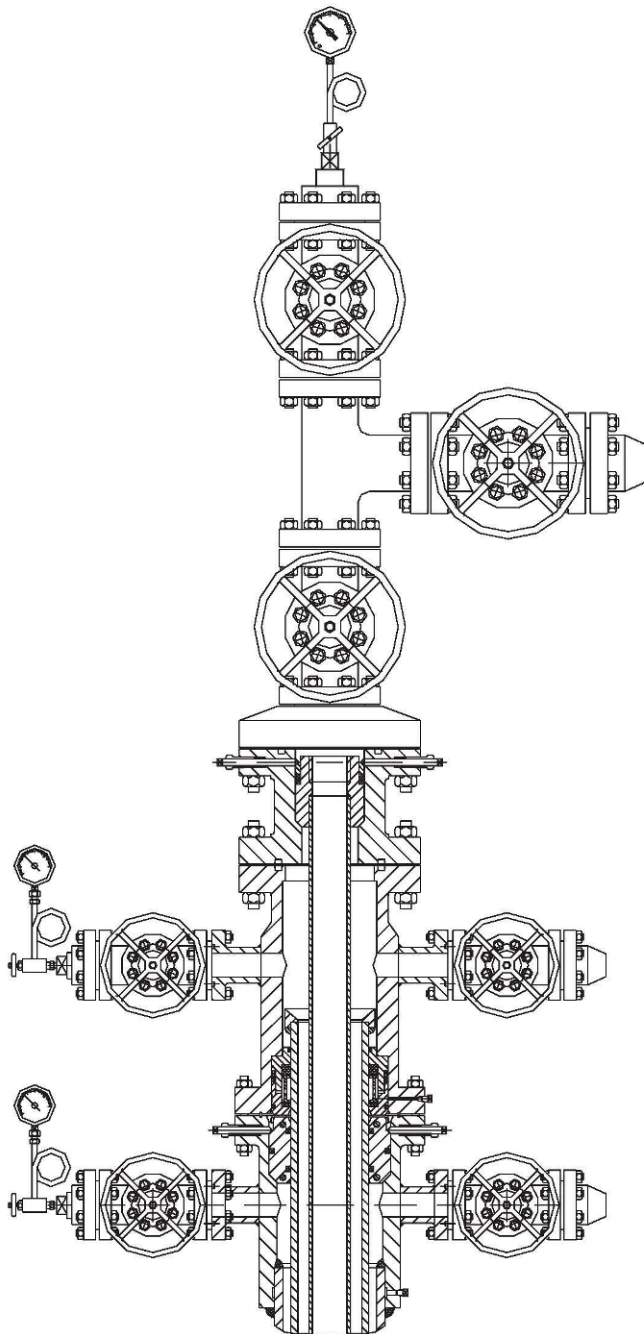
The cost of buying a second size of BOP and riser would be eliminated and the logistics associated with transportation, storage and installation of the BOP.



Geothermal and Steam Injection Wellheads

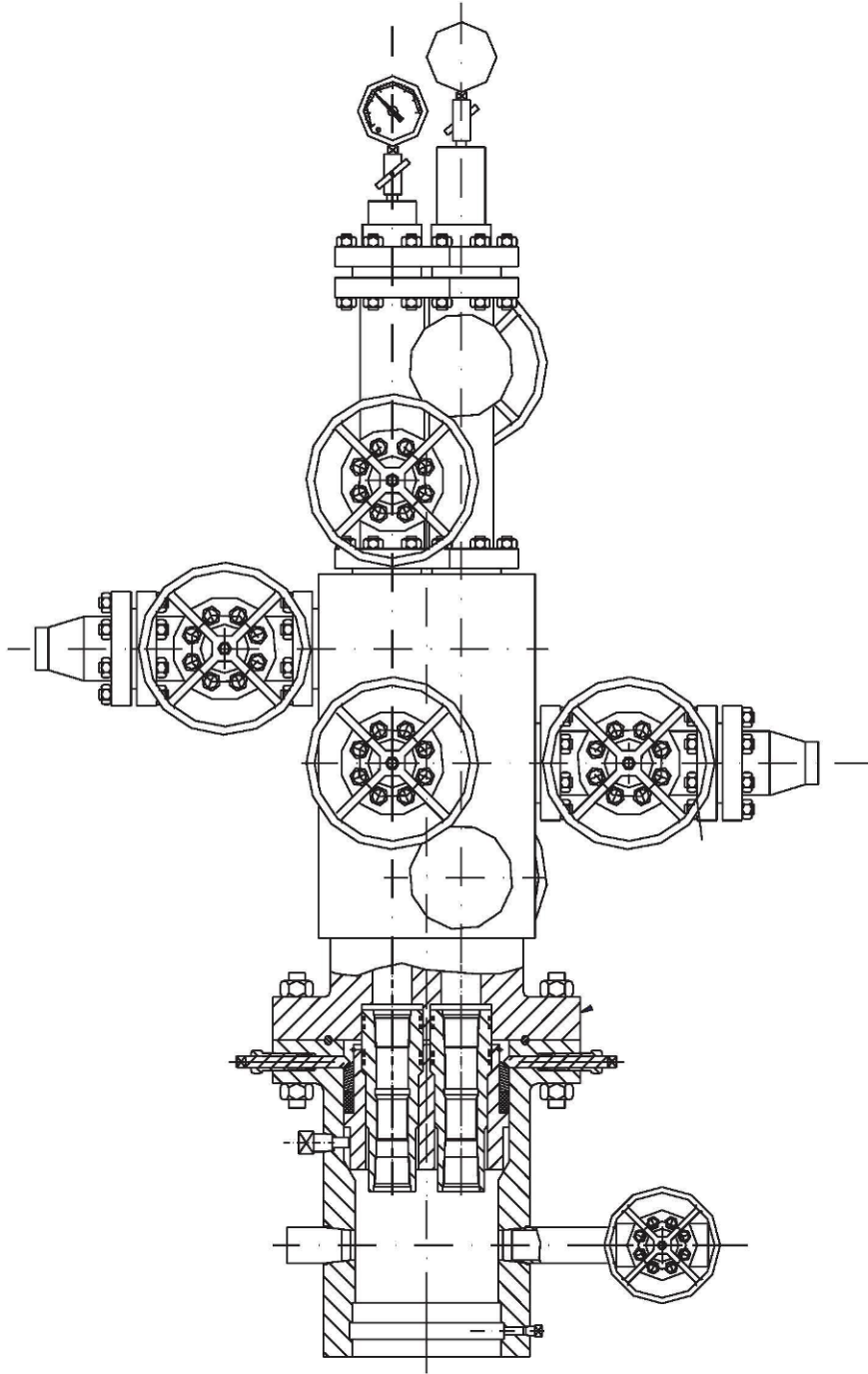


- Standard geothermal wellhead system SGWS incorporates an expansion spool design which permits a minimum full 14" casing expansion as standard.
- The spool may also be equipped with a third, angled outlet to provide access for down-hole pressure or temperature tools.
 - Casing head house is designed to accommodate a centralizer which provides precise alignment of the production casing, allows casing to be reciprocated during the cementing process.
 - The pack-off assembly incorporates a mechanical pressure energized static elastomer seal and soft packing. The packing may be re-energized, if required.
 - Short tubing head spool for different types of hangers available on request
 - Steam injection wellhead may be used for high temperature (max. 700 ° F)
 - All wellheads may be equipped with valves type 816 or GT 910 series



Geothermal Wellhead

Geothermal and Steam Injection Wellheads



Dual Steam Injection Wellhead