

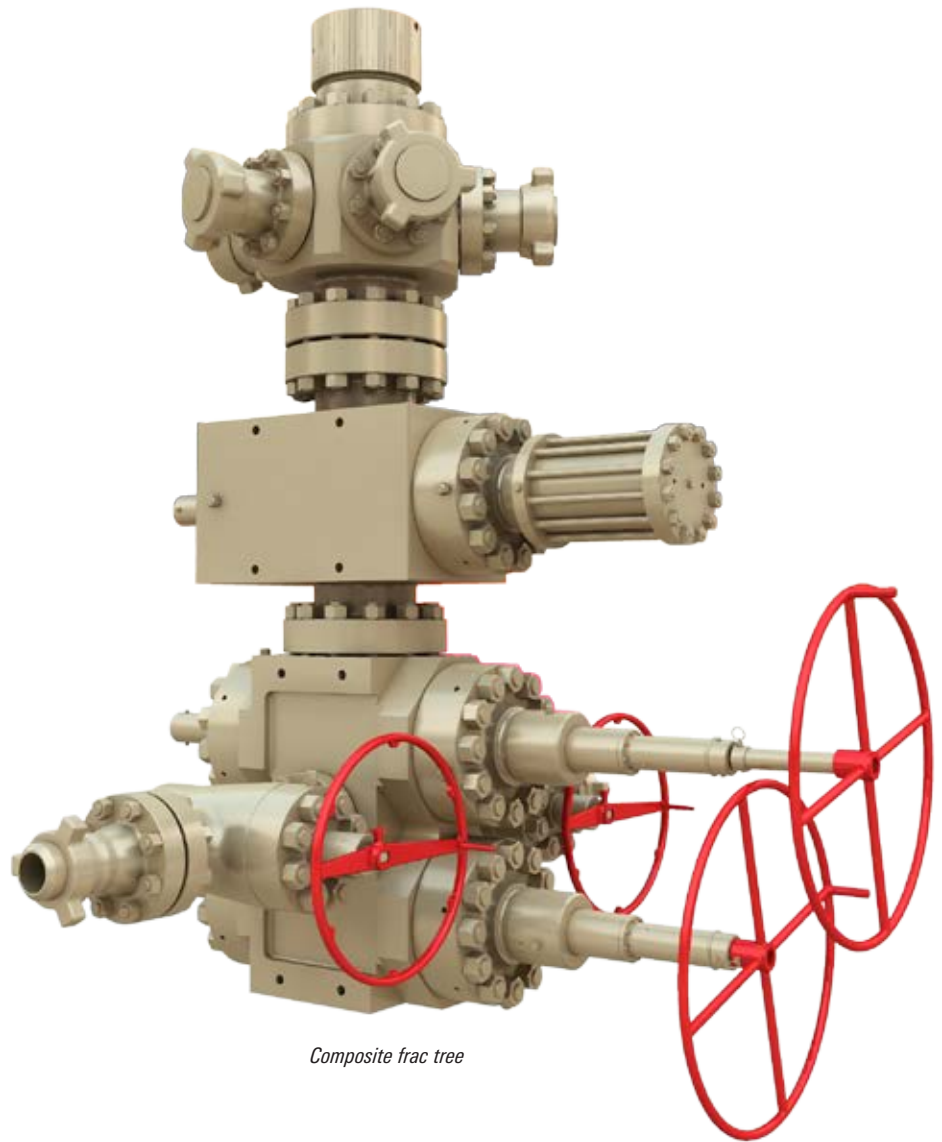
Composite Frac Tree System

Lower tree profile enhances safety and reliability

FEATURES

- Designed for up to 10,000 psi and 15,000 psi hydraulic fracturing
- Composite frac valve blocks encase the valves in series, eliminating multiple connections and leak paths that could hinder production
- Reliable metal-to-metal seals, spring-loaded, pressure-energized, non-elastomeric lip seals protect the valve cavity from contamination
- Bonnet style dual master FLS-R* API 6A slab-style gate valves for large-bore high-pressure applications
- Integral design reduces overall height by 25%, lowering the frac tree valves and goat head
- Easier handling and hookup of flow lines

The composite frac tree system reduces system height and enhances safety and reliability in the most severe fracturing applications. By incorporating the master and swab valve and wing outlets into a solid body, the number of potential leak path connections as well as the tree height are reduced. This allows for easier installation and valve operation, and can also allow the use of a second actuated swab valve, increasing flow control while maintaining a reasonable overall height.



Composite frac tree