

# GENERATION III REMOTE-CONTROLLED FRAC MANIIFOLD

The Generation III Remote-Controlled Frac Manifold (Generational III) consists of an Auto choke, remote panel for operators to safely interface with the choke manifold skid. The remote panel contains pressure indications, valve position indication, valve functioning, a touchscreen, system back-up batteries, a Programmable Logic Controller (PLC), pump controls, jog controls and other notable features.

The features and technologies used in the Gen III Remote-Controlled Frac Manifold allow the Concentric Pipe and Tool Rentals team to work on projects in deeper waters that demand more advanced tools to control the well gravel packing and fracturing operations. Concentric is a market leader, and the Generation III technology proves that Concentric appreciates the importance of technology that uses automation and data recording for high profile projects. There is no other manifold Choke system on the market that automatically keeps the well tubing pressure at the desired level during well gravel packing and fracturing operations besides the Gen III Remote Panel.

Rent the Generation III Manifold and Panel through Concentric Pipe and Tool Rentals, a Superior Energy Services company. Since 1972, Concentric Pipe and Tool Rentals has served as a leading provider of rental services for the critical completion phase of conventional and horizontal wells. Superior Energy Services, Inc. serves the drilling, completion and production-related needs of oil and gas companies worldwide through its brand name drilling products and its integrated completion and well intervention services and tools, supported by an engineering staff who plan and design solutions for customers.



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**Concentric**  
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# Specs:

- Primary system controls - touchscreen and PLC
- Electronically-automatically operated with back-up, pneumatic, manual controls.
- Rated for use in the Gulf of Mexico and internationally
- In compliance with current industry standards, all system control and indication data is recorded digitally at 10 cycles per second during operation of the system.
- Constructed for marine shipboard offshore shipping conditions and corrosion resistant operations.
- The hydraulic and electrical systems are designed to withstand and successfully operate in direct sunlight with intermittent, sprayed salt water.
- The system can also withstand conditions of 20° – 100° Fahrenheit with 100 percent relative humidity.
- All electrical materials and methods of fabrication used are rated minimum for ATEX AEx, Zone 1 and UL Class 1, Division 2.

