

EcoBOOSTER

Optimize your rig hydraulics

The Eco Booster consists of an accumulator skid and a booster pump.

During normal operation the drill floor machinery flow requirements will rapidly change. The number of pumps running must match the highest theoretical flow requirement even though a flow peak only last a few seconds.

The Eco Booster will reduce the needed number of pumps running and contribute to a better utilization of the pumps that have been started.

Accumulators are charged by use of a pressure booster when ring line flow consumption is low. When the accumulators are charged it will match flow requirements even though it exceeds the pump capacity for a limited time.

The Eco Booster will stabilize ring line pressure even though flow requirements are changing rapidly, and pipes lengths are creating time delays and pressure losses. An economical accumulator size is decided by looking at average flow consumption in a typical operational sequence. An operational sequence with high flow consumptions for a short time that is followed by a lower consumption for an equal amount of time will benefit using the Eco Booster.

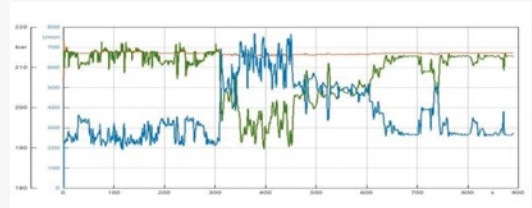
The Eco Booster have a small footprint and are easy to install.

Fewer pumps. Fewer emissions.



Accumulator skid and booster skid components of the EcoBOOSTER.

Impact on ringline pressure when implementing the accumulator skid



- Ringline consumption based on a working Deepwater semi.
- Pressure upstream drops to 190 bar without Eco Boost
- Pressure level Downstream accumulator is equal to the setting of the pressure relief valve in the Accumulator skid outlet. The Eco boost keeps the pressure steady during flow peaks.