

GAS SEPARATORS

Gas Separator – Flotek Pump Services carries its own patented gas separator designed for highly efficient gas separation in the Coal Bed Methane Field. The gas separator achieves this by creating a pressure drop mid-way through the separator using the separator internals breaking out the entrained gas from the well fluid. The gas separator separates the fluid and gas by means of an agitator and a multi-port discharge head. The agitator imparts kinetic energy into the mixture and by centrifugal force the heavier molecules gather to the outside of the apparatus and the lighter molecules (gas) stay to the inside. The multi-port discharge head redirects the fluid from the outer side of the separator housing to the pump intake and the gas is ported to the outside well bore into the production line. The gas separator is manufactured using ni-resist internals, stainless steel shaft, tungsten carbide bearings, and heavy duty cast iron and carbon steel components for the highest level of durability.

Features and Benefits

- Highly Efficient Gas Separation- Utilizing patented gas separation by manipulating the flow/pressure ratio within the gas separator internals.
- Heavy Duty Construction- Built out of high grade materials to ensure the highest level of durability.
- Repairable – The gas separator is designed with simplicity to ensure ease of teardown and rebuilding.
- NEMA Standard Bolt Up- Gas Separator is designed with the NEMA 4” Motor bolt up pattern to ensure compatibility with a wide range of equipment.