COMPRESSOR GAS CONDITIONING

Compressors:

- Rotary Screw
- Reciprocating
- Centrifugal

INCOMING/SUCTION CONTAMINATION

Rust • Sand • Clay • Water/Saltwater • Coal Dust
Glycols • Catalyst Fines • Iron Sulfide (black powder)
Hydrocarbon Liquids • Gas Hydrates

OUTGOING CLEAN-UP

Oil Mist and Smoke Carryover • Hydrocarbon Vapor

Applications:

Natural Gas Processing
Dehydration Systems
Pipeline Operations
Fuel Gas Booster
Transfer/Recovery of Hydrogen, CO^2, Nitrogen
Gas Injection Systems
Hydrocracking/Hydrotreating/HDS/Catcracking
Vapor Recovery
Digester Gas/Landfill Gas
Coal Bed Methane
Flare Gas Recovery

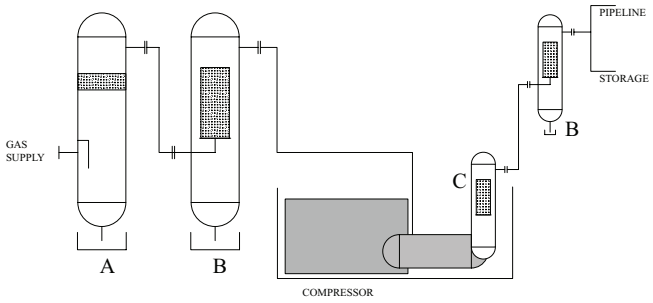
Gas compressor performance and cost of operating and maintaining these systems often depend on state-of-the-art gas clean-up. Dirty or wet gas will damage most types of compressors.

The key is to remove all the contaminants in solid and aerosol form. It may also be necessary to remove lube oil smoke and mist downstream from the compressor.

All of these tasks can now be accomplished in one step. The TRITON™ gas conditioning element system combines all the technology that is needed to remove not only solid particulate contamination, but aerosols of water and oil as well.

The TRITON™ filter/coalescing system will **filter** solids and **coalesce** liquid aerosols down to 0.3 um with 99.98% efficiency. The TRITON™ element system can be supplied in several configurations. Our universal gas vessel (UAG) is available in a variety of trim packages in simplex or duplex configurations, with or without instrumentation. The TRITON™ element system can often be sized and built to fit existing separator designs.

The TRITON™ element system simplifies the process and reduces the cost by providing particulate removal and aerosol coalescing in a single element and a single vessel. The TRITON™ element system represents the Best Available Commercial Technology (BACT) for removing particulate and liquid aerosols.



A	Universal Gas Vessel fitted with mist eliminator package for situation where high levels of liquid slugs are present - or for protection of pressure regulating valves from hydrates or other solids – A two stage version of the Universal Gas Vessel may be allow the functions of A & B to be combined into one system
B	Universal Gas Vessel fitted with TRITON™ element system - for particulate and water and oil aerosol removal (duplexed for continuous duty) to protect compressor – placed downstream the same system will remove carryover from oil flooded compressors
C	Surge Bottle

*Ask for the TRITON™ Gas Conditioning Bulletin **FT0611a**.*

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