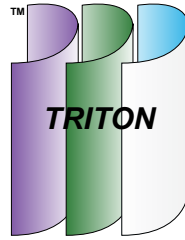


# COMPRESSOR GAS CONDITIONING

## 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<sup>2</sup>, Nitrogen  
Gas Injection Systems  
Hydrocracking/Hydrotreating/HDS/Catcracking  
Vapor Recovery  
Digester Gas/Landfill Gas  
Coal Bed Methane  
Flare Gas Recovery

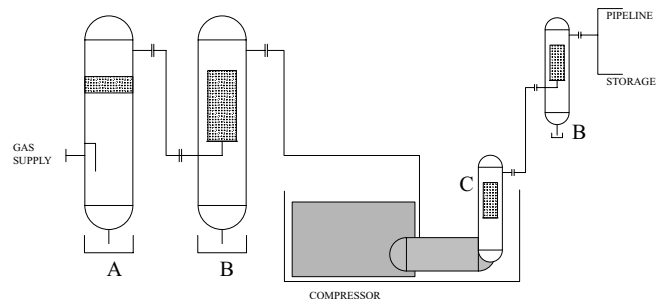
Gas compressor performance and cost of operating and maintaining these systems often depend on state-of-the-art gas clean-up. Dirty or wet gas will damage most types of compressors.

**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.



<b>A</b>	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 allow the functions of A & B to be combined into one system
<b>B</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
<b>C</b>	Surge Bottle

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