

GAS TURBINE FUEL CONDITIONING



**Pipeline Quality Gas
Refinery Fuel Gas
Landfill Gas
Bio-Gas
Liquified Natural Gas
Coal-Bed Methane**

CONTAMINATION TAKES MANY FORMS:

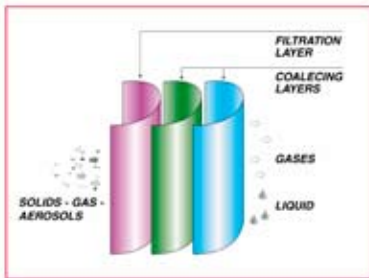
**Rust • Sand & Clay • Water/Salt Water • Glycols • Catalyst Fines • Gas Hydrates
Iron Sulfide • Calcium Carbonate • Hydrocarbon (C₆ & >) • Oil Mist/Smoke**

Protection of the hot gas path is essential. Economic pressures worldwide have made even pipeline-quality gas susceptible to contamination that will damage standard CT systems as well as the DLN turbine. Solids, water and hydrocarbon contamination can all be present in some situations.

The key is to remove all the contaminants in solid and aerosol form.

This task can now be accomplished in one step. The TRITON™ gas conditioning element system combines all the technology that is needed to remove not only the solid particulate, but the condensate and aerosols.

The TRITON™ filter/coalescing system will FILTER solids and COALESCE liquid aerosols down to 0.3um with 99.98% efficiency. The TRITON™ element system can be supplied in several configurations. Our universal gas vessel (UAG) is available with a variety of trim packages in simplex or duplex configurations and can be provided in a complete skid assembly including dewpoint heater.



The TRITON™ element system combines the essential elements needed to condition the gas into a single element.

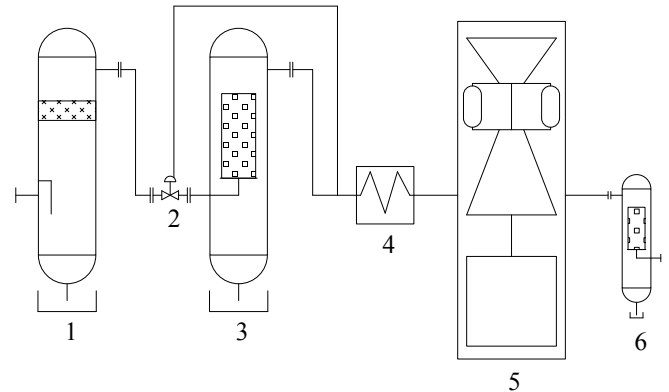


COMPLETE SYSTEM



SINGLE VESSEL

THE GAS QUALITY DICTATES THE CONDITIONING SYSTEM



1	Universal Gas Vessel fitted with mist eliminator package for situation where high levels of liquid slugs are present – or for protection of pressure regulating valve from hydrates and other solids
2	Pressure regulating valve with feedback loop
3	Universal Gas Vessel fitted with TRITON™ element system – for particulate and aerosol removal (duplexed for continuous duty environment)
4	Heater – where dew-point control is needed
5	Turbine
6	Small Universal Gas Vessel fitted with TRITON™ element system (for dry seal)

Ask for the TRITON™ Gas Conditioning Bulletin 0611a.