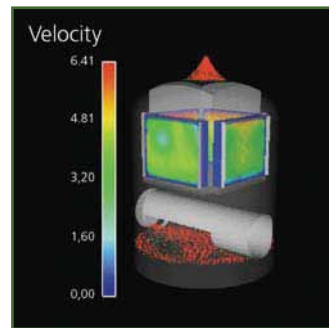


Product Applications



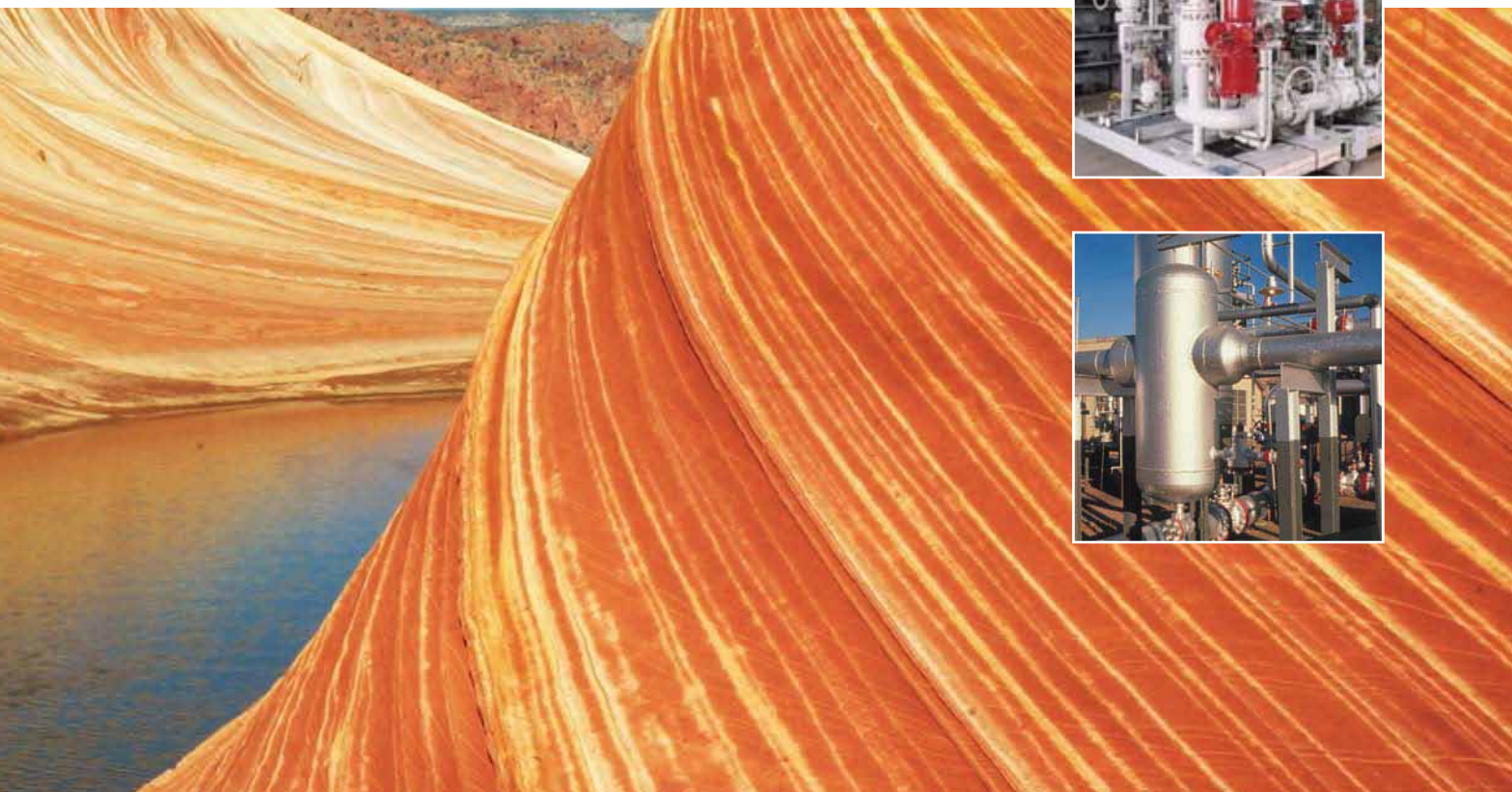
- Inlet to gas production facilities.
- Gas gathering stations and transportation facilities.
- Gas processing facilities.
- Gas Compressor protection.
- Gas Turbine protection.
- Removal of lubricating oil from the discharge of compressors.
- Removal of oil mist upstream of desiccant beds in ammonia and urea plants.
- Removal of mist and solids from natural gas at pressure reduction and regulator stations.

Research and Development Computational Fluid Dynamics (CFD)

- An essential tool when considering critical separation processes, troubleshooting and retrofit applications.

Laser Isokinetic Sampling Probe (LISP)

- Onsite testing.
- Determines the optimum separation/filtration technology for the application.
- Validates equipment performance.



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separation & filtration

making energy safe, efficient and clean



Peerless, a recognised global leader committed to innovation, its people and a better world, by creating engineering solutions for the energy industry.



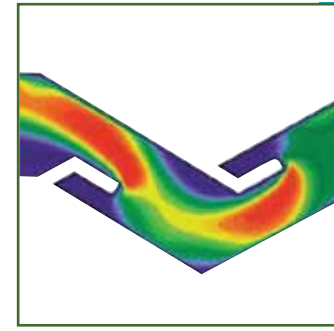
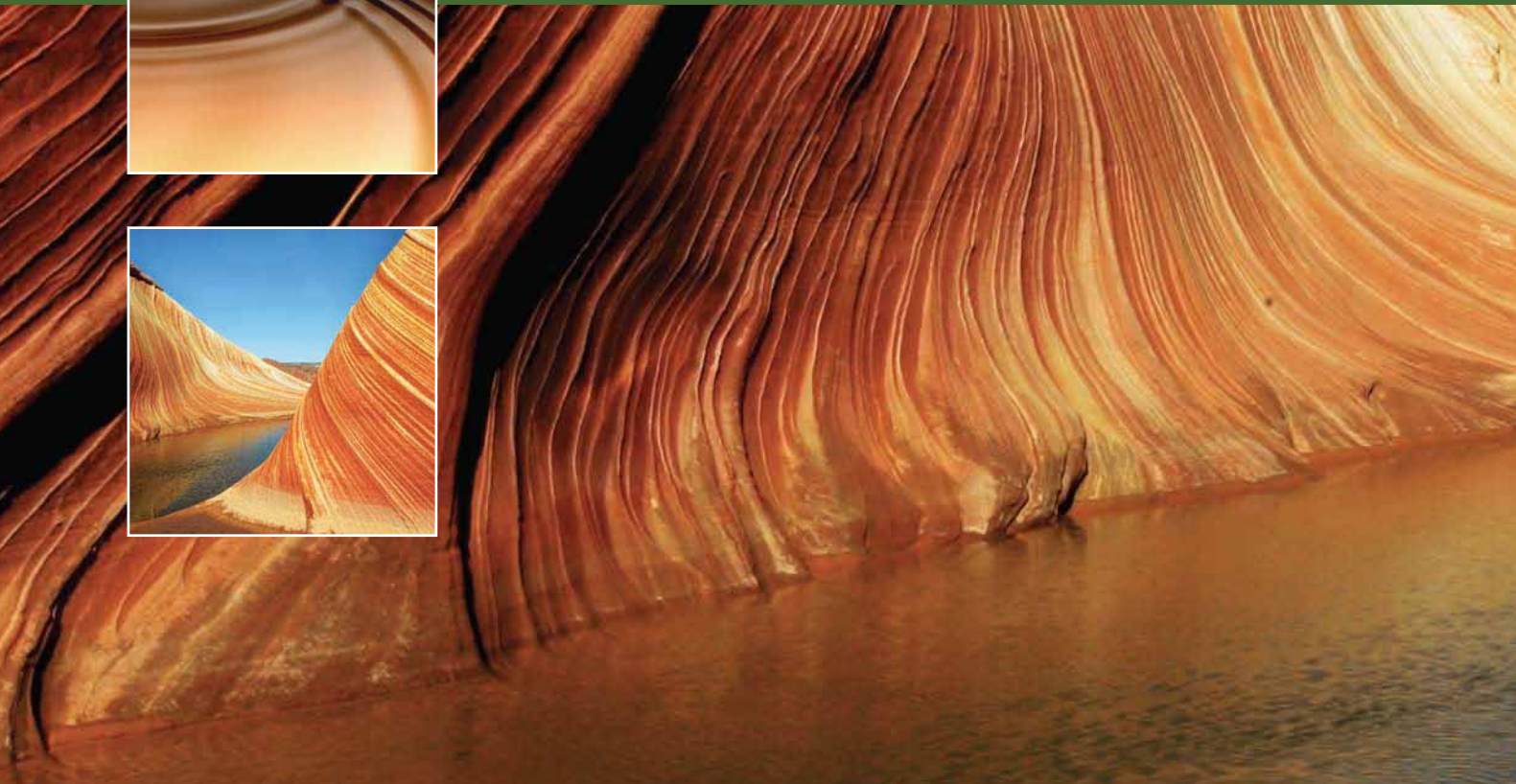
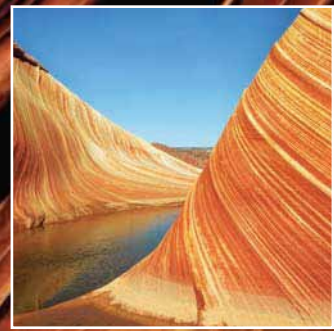
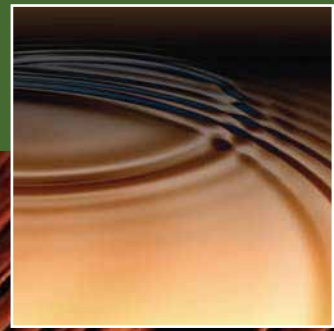
Peerless Separation and Filtration Systems

Since 1933, Peerless has been designing and supplying compact, cost-effective gas and liquid filtration/separation equipment to the oil, gas, petrochemical and power industries throughout the world.



Peerless Support Services

The aftermarket sales and spare parts support from our Singapore Office, with state-of-the-art performance simulation and testing at our Dallas-based parent company, provides our clients with an industry leading service and support package, from first contact through to installation and beyond.



The range of Peerless Separation and Filtration solutions includes:

Vane-Type Separators

- High efficiency separation of entrained liquid from vapours.
- Vanes provide a compact solution when compared to the traditional wire mesh pad design.
- Vane-type separators will remove 100% of all liquid droplets 8 microns and larger with the outlet gas containing no more than 0.1 USG/million standard cubic feet of gas passing through the separator (13 litres/Million SCM).



Multi-Cyclone & Axial Flow Cyclone Separators

- Comprising a quantity of small diameter cyclones.
- Multi-Cyclone Separators will remove 100% of all liquid and solid particles 8 microns and larger.
- Centrifugal Recycling Separator (Swirl Tube) will remove 100% of all liquid 6 microns and larger.



Coalescing Absolute Separators

- Two stage unit consisting of first stage vane or cyclone for bulk contaminant removal followed by second stage coalescing element for fine polishing.
- Coalescing Absolute Separator will remove 99.999% of all liquid droplets 0.3 microns and larger. Mass carryover down to less than 1ppb.

Filter Separators

- Two stage unit consisting of first stage filter for solid removal followed by second stage vane mist extractor for liquid removal.
- Filter Separators will remove 100% of all liquid droplets 8 microns and larger, 99% of those 0.5 – 8 microns, 100% removal of solid particles 3 microns and larger and 99% of those 0.5 – 3 microns.



Gas Filters

- Contain a quantity of replaceable filter cartridges.
- Removes all solid particles 3 microns and larger and 99% of those 0.5 – 3 microns.



Liquid Filtration

- Cartridge filter system for high efficiency removal of solids from liquids.
- Two-stage cartridge filter/separators for high efficiency removal of solids and water from liquids.
- Activated carbon adsorbers for removal of hydrocarbons and degradation products from closed loop amine and glycol systems.

Process Packages

- Fuel gas conditioning systems for supplying clean, regulated gas for gas turbines and boilers.
- Production Separation Trains and Process Modules.
- Each system engineered specifically to meet the individual needs of the customer.

