**Lumia™ Coalescing Separation Systems**

**Lumia™** technology was developed to address the separation of liquids in both liquid and gas streams using coalescing processes, making it possible to separate essentially all emulsions and liquid aerosols. The Lumia™ systems have incorporated the latest vessel designs and internals technology, achieving superior separation under demanding conditions.

Lumia™ technologies make use of:
- Proprietary media formulations
- Customized element designs
- Advanced fiber geometries

These qualities allow Lumia™ to intercept entrained droplets of even sub-micron sizes and effectively remove them from the process. The high surface energy proprietary media effectively disrupts stabilized water droplets, allowing for efficient capture. Fiber geometries are specifically designed to enable and promote liquids coalescing and removal from the process stream. Customized element design works in concert with the specialized media technology, promoting uniform fluid flow while minimizing potential for turbulence and carry-over.

Lumia™ protects critical assets from lubrication oils, water contamination and any possible salts, acids and bases which it may contain. Application of Lumia™ technology allows for optimized performance of downstream treaters, salt beds, exchangers and reactors while assuring the elimination of haze from finished products.

**Applications**
Lumia™ can be used for gas and liquid streams. It has a number of applications including:
- Amine unit inlet separation
- Fuel gas and natural gas conditioning
- Hydrocarbon removal from water streams in produced water and rich amine streams
- Sour water and wastewater streams
- Hydrocarbon feeds to hydrotreaters, alkylation units and reformer units
- Compressor protection and compresses gas lubrication oil separation

**Benefits**
The Lumia™ system is flexible in its configuration allowing for application in a number of different streams. It has a small in footprint, simple maintenance, low operational costs and high removal performance.

For additional information on Lumia™ Coalescing Separation Systems, please contact us at info@NexoSolutions.com or visit www.nexosolutions.com