

## Varia™ Filtration Systems

**Varia™** Filtration Systems provide high performance solid-liquid separation. Solid contaminants range from sub-micron particulates to particles several hundred microns in size. The liquids range from aqueous to hydrocarbon systems with viscosities up to 60,000 cP. **Varia™** Filtration Systems have been applied in oil & gas, refineries, chemical & petrochemical plants, power facilities, water plants, polymer production and many others.

**Varia™** Filtration Systems uses a number of possible internal filter element combinations. These can be, bag filters, pleated bag filters, cored filters or coreless filter element. The coreless element flows from out-to-in. This element is offered with an extended surface area media configuration utilizing proprietary filter media formulations. The filter media can be both surface or depth style or a combination of both. Efficient media technology can provide robust results for a number of applications in both aqueous service as well as solvent and/or hydrocarbon applications. **Varia™** filter element designs are currently being used by a large number of plants and processing facilities because of their superior operating economics, flexibility, positive ergonomics and low waste.



The **Varia™** Filtration Systems can be used virtually anywhere there are suspended solids in a gas or liquid stream. It can operate in both water and hydrocarbon streams in addition to other solvents with various characteristics and viscosities. Some of the key applications are:

- Hydrocarbon feeds to hydrotreaters, hydrocrackers, cokers, ethylene cracking, polystyrene
- Chemical products for specification guidelines
- Amine units, physical solvents and glycol/dehydration units
- Water plants in several applications
- Natural gas transmission lines (for black powder removal)
- Sour water and produced water filtration
- Fuel gas filtration for burner and turbine protection

**Varia™** Filtration Systems have small footprint, variable media materials, and flexible configuration to handle many different contamination types. The system has low operational costs and high performance and capacity for solid contaminant removal.

For additional information on **Varia™** Filtration Systems contact [support@nexosolutions.com](mailto:support@nexosolutions.com)