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INOVA

Filtration and Separation Systems: Types of Filters and Separators

1.1 Gas Coalescers

High-efficiency gas coalescers designed for the removal of liquid aerosols and fine solids. They are used in applications requiring aerosol mist removal down to 0.3 microns, such as fuel gas conditioning systems.

1.2 Gas Filter-Separators

These gas filter-separators are designed to remove solid and liquid contaminants of 1 micron and larger. They are ideal for phase separation applications in gas systems, such as regulation and metering stations.

1.3 Gas Particulate Filters

Gas filters specifically designed for the removal of dry solid contaminants. They offer various micron filtration levels and are used in applications such as gas distribution and regulating stations.

1.4 Gas Separators & Scrubbers

Gas separators and scrubbers are designed to eliminate liquid contaminants of 8-10 microns and larger. They are ideal for the removal of hydrocarbon liquids and water in gas systems.

1.5 Biogas Filters

Biogas filters are designed to handle corrosive fluids. They are ideal for removing solids and moisture in biogas systems, protecting equipment such as engines, turbines, and cogeneration systems, enhancing efficiency and extending service life.

1.6 Knock-Out Drums

Separation vessels designed to remove liquids and solid particles from gas streams, improving system efficiency. Knock-out drums are commonly used at compressor and turbine inlets to protect sensitive equipment from damage.

1.7 Slug Catchers

Flow traps designed to handle and store large volumes of liquid slugs in gas systems, protecting downstream equipment. Slug catchers are built to withstand severe operating conditions and minimize impacts on compressors and processing stations.