Offshore & Onshore Oil & Gas Production Facilities

Filtration Applications for the Oil & Gas Production Industry
Process Proven Performance

A Filtration Group Company
Quality Filtration Made Simple
In the Oil & Gas Industry, an efficient filtration/separation system is critical to the reliability and performance of the physical assets that process petroleum products. Optimizing the reliability of these filtration systems is essential in maximizing your operational performance.

Since 1987, Jonell™ has focused on understanding the specific filtration/separation needs of each of our customers. Our custom-designed solutions, applied as part of a comprehensive production strategy, have consistently proven to enhance maintenance operations while increasing operating efficiencies.

Utilizing this experience, Jonell has developed thousands of different filter elements covering a wide variety of filtration applications. Regardless of your applications, Jonell’s filtration/separation products and services can maintain and enhance your operational performance.

**BENEFITS of an Optimized Filtration/Separation System include:**

- Increased Process Performance
- Decreased Downtime
- Lower Maintenance Costs
- Improved Operating Efficiencies
With decades of accumulated knowledge in replacement OEM filter cartridges, our experienced staff can quickly replace over 40,000 OEM element part numbers making us a one-source supplier for all your filtration/separation needs. To meet the most demanding petroleum applications, Jonell's filter elements are available in a wide variety of materials including: polyester, polypropylene, cotton, nylon, Teflon®, Nomex®, metals, micro-fiberglass, resin-bonded cellulose, etc.

**Air & Gas Filter Elements**
- Air Filters - Panel / Round
- Gas Filters - Pleated / Depth
- Gas Coalescing Filters - Pleated / Depth

**Liquid Filter Elements**
- Liquid Filters - Pleated / Depth
- Bag Style Filters
- Activated Carbon
- Liquid/Liquid Coalescing & Separation

**Filter Vessel Internals**
- Mist Eliminators
- Cyclonic Separators
- Element Support Risers
- Rapid-LOK™ Element Retention Plates

**Filtration Support Services**
- Process Optimization
- Product Customization
- Custom Product Stocking Program
- Filtration/Separation Cartridge Replacement
Jonell™ is a leading designer and manufacturer of filtration/separation products and services for the Oil & Gas Industry. Our emphasis on providing the most advanced technologies in the marketplace has made our filtration products the most sought after in the world. We have extensive experience in oil and gas filtration solutions, covering major critical process applications including:

**Produced Water Treatment**
Removal of both solid and hydrocarbon contaminants to prevent environmental problems associated with surface disposal and plugging during re-injection.

**Jonell Product Solutions**
PhasePUR™ Series liquid coalescing elements to remove free liquid hydrocarbons and solids from produced water.
LiquiPleat™ Series pleated synthetic liquid elements to remove particulates.

**Compressor Protection**
Condensable hydrocarbons, water, and solids can reduce the viscosity of lube oil, resulting in damaged pistons due to increased friction.

**Jonell Products Solutions**
Depth-LOK™ Series fiberglass gas elements to remove finely dispersed liquid droplets and solids.

**Injection Water**
Solid contaminants can foul injection wells.

**Jonell Products Solutions**
LiquiPleat™ HF Series high-flow filter elements installed upstream of the injection pumps for removal of solids and microorganisms.

**Hydrocarbon Condensate**
Reduce water content in hydrocarbon condensate to avoid corrosion in pipelines and remove solid contaminants.

**Jonell Products Solutions**
PhasePUR™ Series liquid coalescing elements to remove free water from hydrocarbon condensate.
LiquiPleat™ Series pleated synthetic liquid elements to remove particulates.
Gas Sweetening System
Liquid hydrocarbons and particulates from the amine system can cause contactor fouling and foaming.

Jonell Products Solutions
PhasePUR™ Series liquid coalescing elements for liquid separation after flash tank.
LiquiPleat™ Series pleated liquid elements to remove fine particulates from recirculating amine.
CarboPUR™ Series activated carbon adsorption elements for removal of hydrocarbons from recirculating amine stream.

Gas Re-Injection
Prevention of plugging in the down-hole formation.

Jonell Products Solution
GasPleat™ Series pleated gas elements to remove solid contaminants.

Turbine Protection
Removal of lube oil contaminants and prevention of build-up on turbine blades.

Jonell Products Solutions
Micro-DEP™ and Micro-LOK™ Series vapor phase reverse flow coalescing elements to remove liquid hydrocarbons from feed gas.
LiquiPleat™ Series pleated liquid elements to remove solid contaminants from lube oils and hydraulic fluids.

Gas Dehydration
Maintain reliability of glycol regenerator, reduce contactor foaming, and preserve gas specification.

Jonell Products Solutions
Micro-DEP™ and Micro-LOK™ Series vapor phase reverse flow coalescing elements to remove liquid hydrocarbons from feed gas.
LiquiPleat™ Series pleated synthetic liquid elements to remove solids from the glycol stream.

Additional Oil & Gas Production Applications
Air Filtration Systems
Gas Purification Process
Hydraulic Systems
Fuel Systems
Water/Wastewater Treatment
Lube Oils
Oily Water Treatment
Seawater Injection
Jonell™ has worked diligently to advance the economics of the Filtration Industry, creating a knowledge-based company with an industry leading staff of experts capable of delivering a variety of filtration/separation solutions to fit your specific maintenance and operating needs. No matter what filtration/separation equipment you use or when it was installed, our filtration service personnel provide complete, expert support to maintain the reliability and operating levels you expect.

Jonell provides proven filtration solutions to maintain and enhance performance over the complete lifecycle of our customers’ assets. We maintain a standardized filtration inventory and provide tailored solutions from single filter elements to complete filtration systems. Our expertise spans from traditional services including spare parts supply, field services, and technical assistance to the injection of new technologies to boost the reliability and optimization of your process equipment.

Filtration/Separation Services:

- Field Services
- Technical Support
- Spare Parts Supply
- Product Optimization
- Problem Shooting Consultation
- Material Compatibility & Selection
- Custom Product Stocking Program
- Filtration/Separation Cartridge Replacement
The Jonell commitment to improving our clients’ process operations is demonstrated by our constant focus on new filtration technology. Our team of filtration specialists have extensive experience in developing creative and cost-effective solutions to difficult problems that span multiple applications.

Helping our customers create value includes a deep understanding of both filtration media and filtration processes. Our R&D facility has extensive quality testing equipment to help ensure our products perform to the highest standards, even in the most extreme environments.

Jonell has accumulated a distinguished history of technological innovations and achievements in the filtration industry. Our goal is to ensure that our clients benefit from filtration solutions that are continuously improving. Jonell not only makes better filters – we are constantly striving to make our filters better, by incorporating the latest in filtration and separation technology.

We provide a range of technical services focused on providing effective and efficient process solutions:

- Process Optimization
- Filtration Feasibility
- Filtration Customization
- Solids Characterization
- Material Compatibility and Selection
- Element Dissection Analysis
- Problem Shooting Consultation
- Consultation in Feed Study Prior to Product Release
To answer more questions about filtration applications, replacement needs, or help troubleshooting process issues, contact an approved Jonell representative or Jonell direct.

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Jonell has a policy of continuous research and development and reserves the right to change specifications without notice.