



**JONELL** SYSTEMS™  
Filtration Group®

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# FILTRATION APPLICATIONS FOR GAS PROCESSING, TRANSMISSION & LNG INDUSTRIES

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Making the world safer, healthier  
and more productive

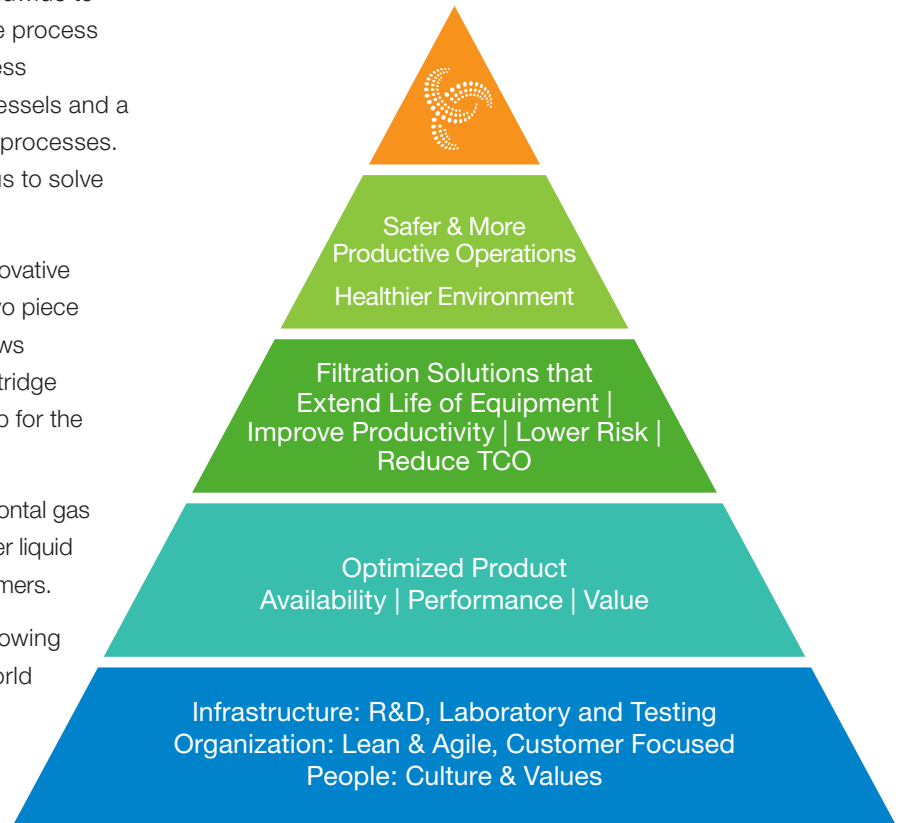
Jonell Systems, a Filtration Group brand, partners with oil, gas, refining, chemical and power companies worldwide to address end to end filtration challenges to improve process safety, reliability, productivity and ultimately business profitability. We manufacture complete systems, vessels and a wide range of cartridges to optimize your filtration processes. This coupled with our technical expertise, allows us to solve even the most challenging filtration applications.

Jonell Systems has a long history of developing innovative cartridges for the oil & gas industry including the two piece Twist-LOK™ cartridge for gas coalescing which allows customers to be able to change only half of the cartridge as needed thus reducing the total cost of ownership for the solution.

Jonell Systems also introduced SentinelTL™, a horizontal gas coalescer with 10X greater solid capacity, 35X greater liquid capacity to deliver up to 40% cost savings for customers.

As a part of Filtration Group, the world's fastest growing filtration company, it is our mission to make the world safer, healthier and more productive.

## JONELL SYSTEMS ADVANTAGE



We understand our customers rely on our knowledge, expertise and experience for innovative filtration solutions.

Customers depend on us – we deliver.

Our brands include:





Our purpose is to solve real challenges in filtration through innovative technology, experience and collaboration – it's what we've been doing for the past 35 years.

The result is an industry-leading team of experts who will provide high-performance filtration/separation solutions that best suit your specific maintenance and operating needs.

No matter the filtration/separation equipment you use, or when it was installed, you can count on our filtration service team to deliver complete expert support. The result? You can maintain the reliability and operating levels you need.

We are committed to improving our client's process operations and helping them create value. How we achieve this:

**Build extensive experience.**

Our of filtration specialists have extensive experience in developing creative and cost-effective solutions to difficult problems that span multiple applications.

**Develop a deep understanding of filtration media and processes.**

Our R&D facility has extensive quality testing equipment to help ensure our products perform to the highest standard, even in the most extreme of environments.

**Drive continuous improvement.**

Jonell Systems 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 Systems not only make better filters; we are constantly striving to make our filters better –incorporating the latest in filtration and separation technology.

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## Filtration/Separation Services:

- Field Consulting Service
- Technical Support
- Spare Parts Supply
- Product Optimization
- Trouble Shooting
- Material Compatibility & Selection
- Custom Product Stocking Program
- Filtration/Separation Cartridge Replacement

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## 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
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# FILTRATION APPLICATIONS FOR GAS PROCESSING & LNG INDUSTRIES

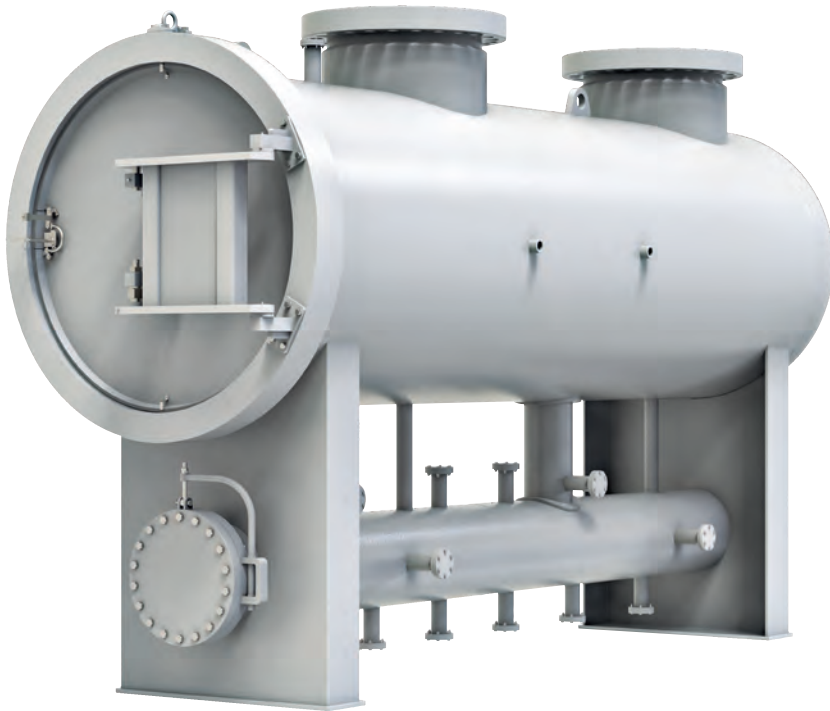
Maximize process performance, minimize maintenance downtime and extend the life of equipment with optimized filtration systems for the Gas Processing, Transmission and LNG industries.

Jonell Systems high-performance filtration and separation solutions are specially designed to provide cost efficiencies in gas filtration. Working closely with our industry partners, we have developed thousands of filter elements to best-fit a wide range of applications. Each one is proven to improve reliability, efficiency and profitability for Gas Processing, Transmission and LNG applications worldwide.

## Benefits of an Optimized Filtration/Separation System:

- Increase Process Performance
- Minimise Downtime
- Lower Maintenance Costs
- Downstream Equipment Protection
- Maximise Operating Efficiency





Expertly designed filtration systems are paramount for the reliability and efficiency of your processes. That's why Jonell Systems takes the time to understand your unique challenges and application needs.

This understanding combined with 35+ years' experience in innovative filtration technology ensures we design filtration solutions to meet even the most demanding gas applications.

Filter elements are available in a wide range of materials:

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### 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

### Filtration Support Services

- Process Optimization
  - Product Customization
  - Custom Product Stocking Program
  - Filtration/Separation Cartridge Replacement
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# GAS PROCESSING, TRANSMISSION, LNG FILTRATION APPLICATIONS

The Gas industry is constantly changing. To succeed, companies need to meet new challenges while remaining competitive in terms of cost and efficiencies.

At Jonell Systems, we are pushing our innovation and technologies further than ever to provide state-of-the-art filtration and separation products specifically to meet these challenges for the Gas Processing, Transmission and LNG industries.



## TURBINE PROTECTION

Remove lube oil contaminants & prevent build-up on turbine blades.

### JONELL SYSTEMS SOLUTIONS

#### Micro-DEP™ and Micro-LOK™

**Series** vapor phase reverse flow coalescing elements to remove liquid hydrocarbons from feed gas.

**Vessels:** GR Series // SentinelTL Series

**LiquiPleat™ Series** pleated liquid filter elements to remove solid contaminants from the lube oil and hydraulic fluids.

**Vessels:** A Series



## RICH AMINE TREATMENT

Remove solid contaminants from regeneration stream to minimize fouling.

### JONELL SYSTEMS SOLUTIONS

**LiquiPleat™ HF Series** liquid coalescing elements to remove free water from hydrocarbon condensate.

**Vessels:** H or HF Highflow Series



## LEAN AMINE

Remove solid particulates from lean side regeneration loop upstream of lean amine pump and exchanger.

### JONELL SYSTEMS SOLUTIONS

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

**Vessels:** H or HF Highflow Series



## RICH AMINE TREATMENT

Improve the reliability of the amine regenerator by removing liquid hydrocarbons.

### JONELL SYSTEMS SOLUTIONS

**PhasePUR™ Series** liquid coalescing elements to remove hydrocarbons from the rich amine solvent prior to regeneration.

**Vessels:** JHLC Series // JVLC Series

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## Additional Gas Processing, Transmission, and LNG Applications:

- Air Filtration Systems
  - Hydraulic Systems
  - Fuel Systems
  - Water / Wastewater Treatment
  - Lube Oils
  - Oil Water Treatment
  - Seawater Injection
  - Fuel Gas
- 



### GLYCOL DEHYDRATION

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

#### JONELL SYSTEMS SOLUTIONS

**Micro-DEP™** and **Micro-LOK™** Series vapor phase coalescing elements to remove aerosols from feed gas to contactor.

Vessels: [GR](#) or [SentinelTL](#) Series

**LiquiPleat™** Series pleated liquid filter elements for removal of solids from the glycol stream.

Vessels: [A Series](#) // [H](#) or [HF Highflow Series](#)



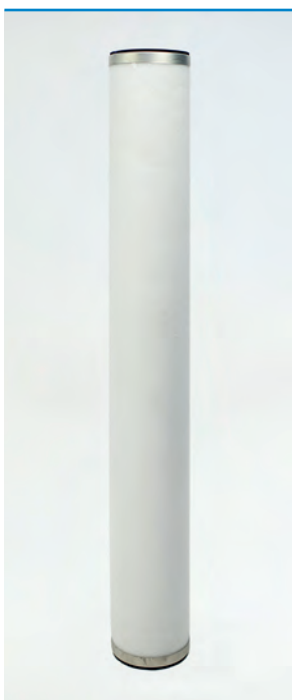
### AMINE/GLYCOL CARBON ABSORBER

Remove trace hydrocarbons from regeneration stream preserving effectiveness of stripping fluid.

#### JONELL SYSTEMS SOLUTIONS

**CarboPUR™** bulk and canisters utilizing virgin activated carbon to target long chain hydrocarbon removal from stream.

Vessels: [C Series](#)



### MOLECULAR SIEVE DRIER PROTECTION

Removal of liquid aerosols and particulate to protect and extend bed life.

#### JONELL SYSTEMS SOLUTIONS

**Twist-LOK™** and **Micro-LOK™** Series vapor phase coalescing elements for the removal of fine particulates and aerosols prior to entering Molecular Sieve contactor.

Vessels: [SentinelTL](#) // [GR Series](#)

**GasPleat™** Pleated synthetic gas filter to catch fine sieve dust downstream of contactor.

Vessel: [GD Series](#) // [GZ Series](#)



### COMPRESSOR PROTECTION

Removal of free and entrained liquids from feed gas reducing damage to valves and piston wear.

#### JONELL SYSTEMS SOLUTIONS

**Twist-LOK™** and **Depth-LOK™** Series; Vapor phase high efficiency liquid and solid contaminant removal.

Vessels: [SentinelTL](#) // [GW Series](#)



**JONELL** SYSTEMS™  
Filtration Group®

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+1 844 GOFILTR

[jonellsalesinfo@filtrationgroup.com](mailto:jonellsalesinfo@filtrationgroup.com)  
[www.jonellsystems.com](http://www.jonellsystems.com)