

Johnson Screens

A brand of Aqseptence Group

Building on over 100 years of experience in providing advanced screening and filtration solutions, Johnson Screens applies this expertise from initial product design through proprietary fabrication, inspection, testing, installation and start-up.

Johnson Screens is an expert in major processes including Catalytic Reforming, Styrene Dehydrogenation, Paraxylene, LAB, Sulphur Treatment, HDS/HDT, Ammonia Conversion, Mercury Removal, Claus and other gas treatment processes.

Their Field Service team monitors installation and usage enabling it to forecast when a new replacement screen is likely to be required. This proactive approach to maintenance and support gives customers access to their field service teams and in-house technical support groups readily, when needed, and heads off the potential of unproductive downtime should a problem occur.

From Problem Detection to Reactor Recommissioning

Customers may select one or more choices in the following possibilities:

- ◆ Project engineering assistance for revamping or upgrading.
- ◆ Technical assistance when damage is found or assumed on reactor internals.
- ◆ Internal expertise after catalyst unloading.
- ◆ On-site installation of Johnson Screens' equipment.
- ◆ Supervision of contractor's installation.

A team of highly skilled welders

From expertise and inspection, to installation and maintenance. No matter how distant or difficult the problem, a team of experienced welders can be mobilized to your site.

Each of them has personal experience in manufacturing, installation and repair of reactor internals. All have considerable expertise in TIG/MIG and other welding techniques, including work with exotic alloys.

Thanks to their experience, these welders can operate independently and need no intermediate contractor to direct their work.

For new project installations, a team of experienced fitters, technicians and supervisory engineers will be dispatched to ensure a smooth, trouble-free start-up.

These teams represent over 40 years of cumulated on-site experience with refining & petrochemical processes.

Internals for media retention

Johnson Screens designs and manufactures a wide range of vessel internals for media retention. The company has supplied critical components for hundreds of radial, downflow, and upflow systems around the world. This experience makes them an industry leader in vessel internal design.

Their products rely on their Vee-Wire® screens – the top-of-the-line product in vessel screen internals. These screens are fabricated by attaching V-shaped profile wire

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to an array of support rods, welding each intersection of wire and rod. This forms an extremely robust screen with continuous slot openings of very close tolerance.

Internals for Down-Flow Reactors

Products

StaySafe™ Hold-Down Screen The uniquely designed StaySafe™ Hold-Down Screen keeps workers safe by not requiring entry into potentially hazardous, confined spaces.

Radial Spider Lateral System The design for the Spider Lateral builds on decades of success of other Johnson Screens header lateral systems, introducing angled arms to fit the curvature of the vessel head.

Support Grids Industry-leading, high-performing designs to extend the life and performance of your process vessels.

Distributor Trays Global manufacturing of durable, high-performance trays for even distribution and mixing.

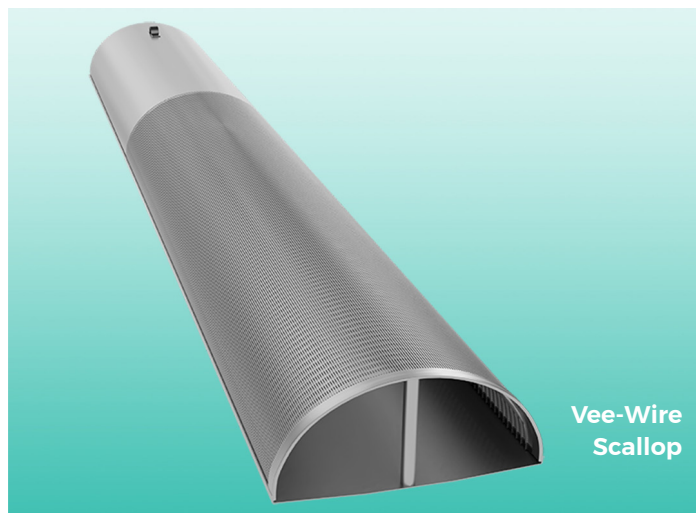
Outlet Collectors Superior media containment, exceptional strength and durability under exceptional loads in high-temperature processes.

Scale Traps Extending the life of your catalyst bed with robust design and exceptional performance.

Header Lateral Systems Innovative designs that address vessel distribution challenges for uniform flow.

Shaped Support Grid Unique design that is proven to extend the life and operational capacity of existing vessel assets.

Fractal Laterals Designed to accommodate a variety of



Vee-Wire
Scallop



Shaped Support Grid™

process conditions and requirements, while maintaining their characteristics of high distribution efficiency.

Inlet Diffuser Basket Designed to control the velocities of the initial gas or liquid distribution over media in a process vessel, providing improved performance over traditional plate disk type distributor designs.

Overlay Screens Johnson Screens' Vee-Wire screen overlays can cut turnaround time and reduce system costs.

Internals for Radial-Flow Reactors

Products

Centrepipes Engineered and delivered for exceptional strength, efficiency and vessel performance.

Outer Screens Experts in large-scale design and manufacturing to exacting standards that maximizes the process output.

Vee-Wire Scallops Exceptional strength with robust catalyst retention for long-term processing performance.

Optimiser™ Scallops Unique design for improved catalyst utilization for maximum process efficiencies and performance.

Perforated Plate Scallops Economical solution with proven performance for catalyst retention.

Oleflex™ Manufactured with precise tolerance controls to exacting standards to deliver maximum catalyst performance.

Dawcul is the exclusive authorised representative for Johnson Screens Energy Processing Technologies across Eastern Europe.
For more information please contact your local regional representative.



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