

RADIAL REACTOR IMPROVEMENT OPPORTUNITIES

Woven Metal Products (WMP) has a long-established history of innovation and supply for many radial flow reactor internals. As a trusted partner and supplier to many licensors, our team is often the first call for planned outages and emergency repair or replacement components.

With our decades of expertise in fabrication, we have seen our customers' pain points and designed proprietary reactor internals products to address their issues. We offer products with mechanical improvements for strength and process improvements to achieve mass flux.



Available Upgrades for Radial Reactor Internals

MECHANICAL IMPROVEMENTS

- ✓ **Can increase reliability and uptime**
- ✓ **Are easy to repair/replace**
- WMP-patented scallop stiffener technology extends scallop life by improving structure support, reducing crushing in high heat
- 14- and 16-gauge for perforated / punch plate scallops (in addition to 18-gauge standard)
- Heavier profile wire options, including 93V, 118V and 130V
- Open or reinforced scallop bottom options
- Center pipe stiffener rings to improve strength
- Center pipes with thicker plates for added strength

Our team can also manufacture any other needed radial reactor internals in various materials to meet your process requirements, including standard scallops and center pipes, outer and regeneration baskets, cover decks, base assemblies, expander rings, inlets, outlets and more.

We put our experience and industry relationships to work to help you determine the best options for your reactor internals.

Contact WMP today to discuss your custom radial-flow internals needs.

PROCESS IMPROVEMENTS

- ✓ **Maximize flow and distribution**
- ✓ **Maximize catalyst utilization and ensure containment**
- Patented design between scallops and center pipes to fine-tune reaction flow and potentially prolong catalyst life, increasing throughput and optimizing pressure drop (created in partnership with Axens)
- Profile-wrapped and other efficiency enhancements



WOVEN METAL PRODUCTS

SOLUTIONS AT YOUR SERVICE

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Reliable Quality • Partnership Attitude • Attention to Detail