



VSP® | Tower Packing

Promotes liquid-gas mixing and distribution

Also known as Arch Ring, VSP® is a type of tower packing formed from a single sheet of metal. It's spherical shape offers good surface-area-to-space ratio and allows for accurate scale-up without the risk of nesting. Additionally, VSP® features heavy ribs for added strength, making them suitable for high bed heights. This unique packing design delivers significant performance improvements over a standard pall ring design.

Nominal Size (in)	1 (25mm)	1.6 (40mm)	2 (50mm)
Void Fraction (%)	98	98	98
Geometric Surface Area (ft ² /ft ³)	62.5	40.2	33.5
Weight-SS304(lb/ft ³)	11.2	10.6	11.86

Standard Features:

- Even gas and liquid distribution
- Large void space; produces low pressure drop across bed
- High strength-to-weight ratio
- High mass and heat transfer rates
- High throughput capacity
- High flooding point
- Low wetting point

For Rental or Purchase Inquiries:

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<https://www.machengineering.com/>

Materials Available:

- SS304, SS316, SS304L, SS316L, Carbon Steel, Aluminum, Titanium

Applications:

- Purification
- Washing
- Atmospheric-vacuum distillation
- Synthesis ammonia decarburization/desulfuration
- ethylbenzene, isooctane, methylbenzene separation

SPECIALIZED IN DESIGN AND MANUFACTURING AIR & WATER POLLUTION CONTROL EQUIPMENT

Tower Packing, Column Internals, Custom Wet Scrubbers,
Rental Scrubbers & Engineering Support

Tower Internals

Available in Metal, Plastics,
Ceramic and FRP (Fiberglass)



PACKING SUPPORT



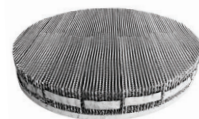
LIQUID REDISTRIBUTOR



MIST ELIMINATOR

Tower Packing

Available in Metal, Plastics,
and Ceramics



STRUCTURED SUPPORT



PLASTIC PACKING



CERAMIC PACKING

Custom Fabrication

We design and fabricate custom equipment to meet your specific needs. MACH has the capability to fabricate utilizing various metals and plastic materials such as stainless steel, aluminum, hastelloy, inconel, polypropylene, fiberglass, PVDF, CPVC, and others.

Consulting and Installation Services

For customers looking for assistance in developing a plan, MACH can help customers develop an action plan for a new project or troubleshooting an existing system. Our team of engineers can also provide experienced supervision of your installation to ensure proper installation procedures are followed.

Engineering Design

MACH performs rigorous mass and energy balance calculations for a wide range of industrial steady state processes with HETP calculations. Moreover, with the aid of Aspen Plus, we can optimize your current process in the plant, troubleshoot or debottleneck, and revamp your plant to increase productivity.