



## 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 <sup>2</sup> /ft <sup>3</sup> )	62.5	40.2	33.5
Weight-PP (lb/ft <sup>3</sup> )	11.2	10.6	11.86
Packing Factor (1/ft)	1458	382	190

### 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

### Materials Available:

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

### Applications:

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

For Rental or Purchase Inquiries:

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