

## MACH Tower Packing

### VSP®

#### Overview:

- VSP®, also known as Arch Ring, has arch slotted from one sheet of metal.
- Its spherical shape offers good surface area to void space ratio.
- The sizes of Arch Ring are proportional in all dimensions for accurate scale-up.
- Heavily ribbed main element provides a robust structure high bed height.
- This type of design helps the liquid to form tiny droplets as it trickles down the packing



**Material Available: SS304, SS316, SS304L, SS316L, Carbon Steel, Aluminum, Titanium**

| Nominal Size (in)   | 1<br>(25 mm) | 1 ½<br>(40 mm) | 2<br>(50 mm) |
|---|--------------|----------------|--------------|
| <b>Void fraction (%)</b>                                      | 98           | 98             | 98           |
| <b>Geometric Surface Area (ft<sup>2</sup>/ft<sup>3</sup>)</b> | 62.5         | 40.2           | 33.5         |
| <b>Weight-SS304(lb/ft<sup>3</sup>)</b>                        | 11.2         | 10.6           | 11.86        |
| <b>Pcs/ft<sup>3</sup></b>                                     | 1458         | 382            | 190          |

#### Benefits

- High strength to weight ratio
- High mass and heat transfer rates
- High throughput capacity
- High flooding point and low wetting point
- Good liquid-gas mixing and distribution
- Virtually no nesting
- Large void space which produces low pressure drop across the bed