

Random Packing

• NAIKE-Metallic Pall Ring Packing : NK-MPR

Description

Metallic Pall Rings are an advancement on the Raschig Ring, with similar cylindrical dimensions but with two rows of punched out holes, with fingers or webs turned into the centre of cylinder. This has the impact of significantly increasing the performance of the packing, both in terms of throughput, efficiency and pressure drop.



Specification							
Name	Normal mm	Diameter*Height* Thickness mm	Surface area m2/m3	Void space %	Bulk density kg/m3	No.elements per/m3	Packing factor m-1
Pall ring	ø16	16*16*0.4	239	92.8	365	205000	299
	ø25	25*25*0.6	219	93.4	427	55900	269
	ø38	38*38*0.8	129	94.5	365	13000	153
	ø50	50*50*1.0	112.3	94.9	395	6500	131

Note

The above data is reference to material stainless steel in the material thickness shown.

Other material available: carbon steel, aluminum, bronze, stainless steel including 304, 304L, 410, 316, 316L.

Advantage

- High Loading & Throughput
- Easily Wettable
- High Resistance of Fouling and Temperature Applications
- Small Specific Gravity
- Mechanically Robust & Suitable for Deeper Beds
- Good Liquid and Gas Distribution
- High Mass Transfer Efficiency

Application

- Various Separation and Absorption Applications
- Absorption and Stripping Services
- Steam Stripping
- Quench Towers
- Direct Contact Cooling
- Reaction Towers
- Distillation Columns
- Tower Packing