Refill TECH SOLUTIONS

METALLIC RING

Random Fill Media

PERFORMANCE CHARACTERISTICS:

An advancement on the Raschig Ring, the **Ring** has similar cylindrical dimensions but has two rows of punched out holes with fingers or webs turned into the center of the cylinder, which significantly increases the performance of the packing, in terms of throughput, efficiency and pressure drop.
We are able to offer our **Rings** in a variety of materials such as grade 304, 316, or 430 Stainless Steel, Carbon Steel, Copper or special alloys.

FEATURES:

CAPACITY vs PRESSURE DROP

High loading and throughput/low pressure drop
Good liquid/gas distribution and high mass transfer efficiency

VERSATILITY

Easily wettable
High resistance to fouling High temperature

HIGH MECHANICAL STRENGTH

High temperature applications
Mechanically robust, lesser probability of breakage

APPLICATIONS

Various separation and absorption applications at atmospheric pressure and under vacuum, where a low pressure drop is critical H_2S, NH_3 & SO_2 absorption and stripping Steam stripping
Quench towers Direct contact cooling Reaction Towers Distillation Columns

METALLIC RINGS – DATA TABLE

RING	Packing Size/mm	Free Space/%	Specific Surface Area/(m2m3)	Number Per Unit Volume/(no./m3)	Specific Weight/(kg/m3) - STAINLESS STEEL							
					0,3	0,4	0,5	0,6	0,7	0,8	0,9	**1,0**
16	16	93	316	210,000	400	535	-	-	-	-	-	-
25	25	94	209	49,500	-	322	403	483	564	644	-	-
38	38	95	122	13,450	-	200	250	300	350	400	-	-
50	50	96	100	6,000	-	-	196	235	275	314	354	-
90	90	97	54	1,000	-	-	-	-	144	165	180	206

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