

Metal Random Packing-R (Raschig) Ring Type

Introduction

R rings are simple, cylindrical packing elements with a diameter-to-height ratio of 1, allowing them to be made from thick, corrosion resistant materials. They are strong, easy to produce, and used in various industries. Though cost effective and available in many materials, they generally have lower efficiency, can cause liquid channeling to tower walls, and create side thrust, which may reduce overall performance.

Features

- First generation
- Low cost per unit
- Available in various geometries and materials
- Wide application range
- High structural strength
- Suitable for corrosive and fouling environments
- Lower efficiency than to modern packings



Applications

- For gas refinery and chemical plants
- For fractionation and stripping operations
- Absorption tower
- Washing tower
- Actifier column

ESP R-Rings Specification

Size	Surface Area	Void Fraction	Quantity
mm	(m ² /m ³)	(%)	(Pcs./m ³)
5	1000	87	5000000
6	900	89	4000000
8	630	91	1500000
10	500	92	768000
12	430	94	450000
16	336	96	204462
25	215	97	53875
38	140	97	15214
50	109	97	6850
60	97	98	4230
70	70	98	2700
75	75	97	2030
80	80	97	1620
90	61	95.5	1170



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